



FINAL Phase I Environmental Site Assessment

2172 Wyecroft Road
Oakville, Ontario

Prepared for:

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EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained on April 3, 2024 through an Authorization to Proceed, Limitation of Liability and Terms of Engagement contract form signed by a representative of Northbridge Capital Inc. (Client) to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 2172 Wycroft Road, Oakville, Ontario (hereafter referred to as the Site).

The Site is developed with three single-storey multi-tenant commercial/light industrial buildings (Site Buildings A, B and C, collectively referred to as 'the Site Buildings').

Pinchin was advised by the Client that the purpose of the Phase I ESA was to assess potential issues of environmental concern in relation to the potential refinancing of the Site.

The Phase I ESA was completed in general accordance with the Canadian Standards Association (CSA) document entitled "*Phase I Environmental Site Assessment, CSA Standard Z768-01*" dated November 2001 (reaffirmed 2022), including a review of readily-available historical records, a review of readily-accessible regulatory records, a Site reconnaissance, interviews, an evaluation of information and reporting, subject to the limitations outlined in Section 8.0 of this report.

The results of the Phase I ESA did not identify any potential issues of environmental concern that would represent a material liability for the continued commercial or industrial use of the Site. As such, no subsurface investigation work (Phase II ESA) is recommended at this time.

Pinchin notes that an occurrence report dated September 22, 2002, indicated that an unknown quantity of transformer oil leaked onto a gravel-bottom vault. Subsequently, on August 25, 2023, a motor vehicle accident resulted in striking the transformer and approximately 40 L of non-polychlorinated biphenyl oil spilled into the spill containment surrounding the transformer. While residual contamination may remain in the vicinity of the transformer, given the information presented in the occurrence report, considering the time that has elapsed since the discharge and/or that residual impacts (if present) would likely be the responsibility of Oakville Hydro, any residual contamination (if present) in the vicinity of the transformer would not represent a material liability for the continued commercial or industrial use of the Site.

Given the years of construction of the Site Buildings (approximately 1987 and 1989), there is a potential for asbestos-containing materials to be present in the Site Buildings. Pinchin did not conduct an asbestos survey, nor was any sampling or inspection for asbestos conducted as part of this Phase I ESA. The Site Representative advised Pinchin that an Asbestos Management Program has not been developed for or implemented at the Site.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.



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1.0 INTRODUCTION

1.1 Background

Pinchin Ltd. (Pinchin) was retained on April 3, 2024 through an Authorization to Proceed, Limitation of Liability and Terms of Engagement contract form signed by a representative of Northbridge Capital Inc. (Client) to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 2172 Wycroft Road, Oakville, Ontario (hereafter referred to as the Site).

The Site is developed with three single-storey multi-tenant commercial/light industrial buildings (Site Buildings A, B and C, collectively referred to as 'the Site Buildings').

1.2 Scope of Work

The Phase I ESA was completed in general accordance with the Canadian Standards Association (CSA) document entitled "*Phase I Environmental Site Assessment, CSA Standard Z768-01*" dated November 2001 (reaffirmed 2022), including a review of readily available historical and regulatory records, a Site reconnaissance, interviews, an evaluation of information and reporting, all subject to the limitations outlined in Section 8.0 of this report.

Pinchin conducted a Site reconnaissance on April 4, 2024, and was accompanied by the Building Operator for the Site since 2020, and hereafter referred to as the Site Representative.

In addition, Pinchin reviewed the following documents as provided by the Client and previously prepared by Pinchin:

- Report entitled "*Phase I Environmental Site Assessment, 2172 Wycroft Road, Oakville, Ontario*", prepared for NBIM 2172 Wycroft LP and dated July 19, 2021 (2021 Pinchin Phase I ESA Report); and
- Report entitled "*Preliminary Geotechnical Investigation and Hydrogeological Assessment – Proposed Mid to High-Rise Development, 2172 Wycroft Road, Oakville, Ontario*", prepared for the Client and dated April 13, 2022 (2022 Pinchin Preliminary Geotechnical Investigation and Hydrogeological Assessment Report).

2.0 SITE DESCRIPTION

2.1 Site Location and Physical Description

As indicated on Figure 1 (Key Map), the Site is located on the southeast side of Wycroft Road, approximately 185 metres (m) southwest of the intersection of South Service Road West and Wycroft Road in Oakville, Ontario. The Site is situated in an area that predominantly consists of commercial and industrial land uses. Figure 2 illustrates the Site and surrounding area.



A summary of the physical description of the Site, including the Site Buildings, is provided below:

Topic	Details
Approximate Site Area	2.36 hectares (5.84 acres).
Buildings on-Site	Site Building A: Located on the northwest portion of the Site. Site Building B: Located on the southwest portion of the Site. Site Building C: Located on the northeast portion of the Site.
Approximate Years of Construction and Significant Additions or Renovations	Site Buildings A and B: 1987. Site Building C: 1989.
Number of Floors (Including ground level)	Site Buildings A, B and C: One.
Subsurface Levels	None observed.
Approximate Footprint Areas of Buildings	Site Building A: 2,313 square metres (m ²) (24,895 square feet (ft ²)). Site Building B: 4,459 m ² (48,000 ft ²). Site Building C: 1,696 m ² (18,259 ft ²).
Approximate Total Areas of Buildings	Site Building A: 2,313 m ² (24,895 ft ²). Site Building B: 4,459 m ² (48,000 ft ²). Site Building C: 1,696 m ² (18,259 ft ²).
Heating / Cooling	Site Building A: Office areas were serviced by natural gas-fired rooftop heating/ventilation/air-conditioning (HVAC) units and supplemented by electrical baseboard heaters and tenant owned window-mounted air-conditioning units. Warehouse areas were serviced by natural gas-fired suspended unit heaters. Site Building B: Office areas were serviced by electrical packaged thermal air-conditioning (PTAC) units and supplemented by electrical baseboard heaters. Warehouse, production and shop areas were serviced by natural gas-fired suspended unit heaters and natural gas-fired ceiling-mounted radiant heaters. Site Building C: Office areas were serviced by electrical PTAC units and rooftop natural gas-fired HVAC units that were supplemented by electrical baseboard heaters. Warehouse and shop areas were serviced by natural gas-fired suspended unit heaters.
Elevators	None observed.
Emergency Generators	None observed.
Landscaped / Grassed / Bare Ground Areas	Landscaping was present along the northwest, northeast and southeast Site boundaries.



Topic	Details
Paved or Other Sealed Surface Materials	The majority of the Site exterior consisted of asphalt-paved parking areas and access routes.

2.2 Topographic, Geologic and Hydrogeological Setting

Topic	Findings
Topography of Site and Surrounding Area	The Site and surrounding area generally slopes down towards the south/southeast.
Site Grade Relative to the Adjoining Properties	The Site is at a similar grade to the adjoining properties to the northwest and southwest. The adjoining properties to the southeast are approximately 1 m lower in elevation than the Site, and the northeast Site boundary is approximately 3 m higher in elevation than the Site.
Subsurface Soils	Clayey silt till to a maximum depth of approximately 1.8 m below ground surface (mbgs), based on the 2022 Pinchin Preliminary Geotechnical Investigation and Hydrogeological Assessment Report. Further, based on review of available soil mapping provided by Environmental Risk Information Services (ERIS), surficial soils in the area of the Site consist of a mixture of clay, silt, sand, gravel and diamicton.
Fill Materials	None observed and none reported by the Site Representative. The 2022 Pinchin Preliminary Geotechnical Investigation and Hydrogeological Assessment Report noted that granular aggregate material with a thickness of 0.1 m was encountered below the asphalt.
Bedrock Type	Shale bedrock, based on the 2022 Pinchin Preliminary Geotechnical Investigation and Hydrogeological Assessment Report. Based on available bedrock geology mapping provided by ERIS, sedimentary rock consists of shale, limestone, dolostone and siltstone.
Inferred Bedrock Depth	Bedrock was found to occur at depths ranging between 1.7 and 1.8 mbgs, based on the 2022 Pinchin Preliminary Geotechnical Investigation and Hydrogeological Assessment Report.
Inferred Groundwater Depth	Groundwater was measured at depths ranging between 2.86 and 9.31 mbgs, based on the 2022 Pinchin Preliminary Geotechnical Investigation and Hydrogeological Assessment Report.
Nearest Open Water Body	Fourteen Mile Creek is located approximately 785 m northeast of the Site. Fourteen Mile Creek flows southeast and discharges into Lake Ontario, located approximately 2.6 kilometres southeast of the Site.
Inferred Groundwater Flow Direction	Southeast based on topography and the presence of Lake Ontario.



2.3 Site Operations

Site Building A was located on the northwest portion of the Site and was occupied by the following tenants and respective activities:

Tenant	Location	Activity
iPump	Unit 1	Office and warehousing
VCS (Rhinoskin)	Unit 2	Office and Warehousing
Alternative Energy Solutions Canada	Unit 3	Office and Warehousing
KGO Group Ltd	Units 4 & 5	Assembly of pumps

All tenant spaces within Site Building A consisted of office space in the northwest portion and warehouse space in the central and southeast portions of the Site Building. The fire suppression system pump room and main electrical room for Site Building A were located within the southwest and central-southeast portions, respectively. An oil/water separator, which was reportedly no longer in-use, was located adjacent to the southeast side of Site Building A. Two vent pipes, inferred to be associated with the oil/water separator, were observed on the southeast wall of Site Building A adjacent to the main electrical room. Further details pertaining to the oil/water separator are provided in Sections 3.5 and 5.3. The tenant space occupied by iPump contained a water-filled bath, which was used for testing pumps.

Site Building B was located on the southwest portion of the Site and occupied by the following tenants and respective activities:

Tenant	Location	Activity
Unknown	Unit 6	Unknown (no access was provided)
Kudos Golf	Unit 7	Golf simulators
CDC Contract Drapery	Unit 8	Offices and Woodworking
Riverdrive Manufacturing	Unit 9	Manual Plastic Strap Assembly
Almoe Finishing	Units 10A and 11	Cabinet Manufacturing
Unknown	Unit 12	Unknown (no access was provided)
Smart Closet Design	Unit 13	Offices and Storage
The Window Company Inc.	Unit 14	Offices and Warehousing
United Cabinets	Unit 15	Offices and Woodworking
Titans Roof Works	Unit 16	Offices and Warehousing



Tenant	Location	Activity
Vacant	Unit 17	Vacant
High Society Auto	Unit 18	Automotive Repairs and Servicing
Stonehouse Granite	Units 19, 20 and 21	Offices and Granite Countertop Manufacturing

Cabinet manufacturing operations were conducted within Units 10A and 11 (Almoe Finishing) and consisted of sawing, sanding and painting. Chemical storage consisted of paint cans. One paint booth was located within Units 10A and 11 (Almoe Finishing). The paint booth observed on-Site was reportedly installed in 2014.

Automotive repairs and servicing, including oil changes, were performed within the southeast portion of Site Building B in Unit 18 (High Society Auto). Two 600 litre (L) waste oil aboveground storage tanks (ASTs) were located adjacent to this unit adjacent to the northeast elevation of Site Building B. As noted in Section 5.2.1, staining and a sheen was observed on the asphalt in the vicinity of the ASTs. The asphalt surface appeared to be in fair condition with minor cracking. Pinchin’s opinion that the observed staining does not represent a significant environmental concern; however, housekeeping practices should be improved to minimize future spills and/or leaks. Two new oil ASTs (with capacities of 540 L and 720 L) were located in the southeast interior portion of Unit 18. Three aboveground hydraulic automotive hoists and an in-ground oil/water separator were located within Unit 18. With the exception of a minor recent and historical oil spills located below one of the aboveground hoists, no evidence of historical spills or staining associated with automotive repairs/servicing was observed within Unit 18.

Slabs of stone are cut to size and shipped. Liquid waste from cutting of stone drains to the floor trench drains. A series of floor trenches and a pit were located within the production area within Units 19, 20 and 21 (Stonehouse Granite), a granite countertop manufacturing operation. A representative from Stonehouse Granite indicated that the trenches and pit are utilized to collect a mixture of water and granite particles, which is generated during countertop cutting. The contents of the pit are reportedly pumped out by on-Site personnel on an as-needed basis.

The main electrical room and fire suppression system pump room for Site Building B were located within the central-northeast and northwest portions, respectively.

Site Building C was located within the northeast portion of the Site and occupied by the following tenants and respective activities:

Tenant	Location	Activity
Motorcycle Enhancements	Units 22 and 23	Motorcycle body shop and repairs
Clean Freaks Auto Detailing	Unit 24	Automotive Detailing



Tenant	Location	Activity
Stonehouse Granite	Unit 25	Showroom and Warehousing

Motorcycle Enhancements conducts minor repairs and servicing on motorcycles. Equipment within this unit included a self calibrated tire balancer, various drills and a sand blaster. The majority of the units consisted of motorcycle storage.

Automotive detailing was performed within the central-northwest portion of Site Building C in Unit 24 (Clean Freaks Auto Detailing). In addition, a linear floor drain, inferred to be connected to an in-ground oil/water separator was located within Unit 24, however, according to a representative from Clean Freaks Auto Detailing, the oil/water separator is not currently in use. Furthermore, based on the previous reports, the oil/water separator was not in use at the time of the 2018 and 2021 Pinchin Phase I ESAs (Refer to Section 3.5). An electrical and fire suppression system pump room were located within the northwest portion of Site Building C.

Site maintenance activities involve painting, replacement of light fixtures, minor plumbing and electrical work on an as-needed basis.

Further details regarding on-Site operations are provided in Section 5.0.

3.0 HISTORICAL RECORDS REVIEW

3.1 Site Interviews and Records

The Site Representative advised Pinchin of the following with respect to the historical occupancy and operations at the Site:

- No dry cleaning operations have historically taken place at the Site; and
- No retail fuel outlets (RFOs) have operated at the Site.

3.2 Aerial Photographs and Satellite Imagery

Copies of aerial photographs dated 1934, 1954, 1965, 1973, 1985, 1990, 2008, 2010, and 2023 were obtained from ERIS and reviewed by Pinchin. In addition, Pinchin reviewed Google Earth™ satellite imagery dated 2004 and 2016.

A summary of information inferred with respect to the Site is provided in the following table:

Year of Photograph	Site
1934, 1954, 1965, and 1973	The Site appeared to consist of vacant undeveloped/agricultural land.
1985	The Site appeared to consist of vacant undeveloped land.



Year of Photograph	Site
1990, 2004, 2008, 2010, 2016 and 2023	Buildings that were similar in size and configuration to the present-day Site Buildings appeared to have been constructed on the Site. Pinchin notes that an equipment storage yard is visible southeast of Site Building C.

A summary of information inferred with respect to the surrounding area is provided in the following table:

Year of Photograph	Northeast	Northwest	Southeast	Southwest
1934, 1954, 1965, and 1973	Vacant undeveloped/ agricultural land.	Vacant undeveloped/ agricultural land.	Vacant land, followed by a railway line, followed by vacant undeveloped/ agricultural land.	Vacant undeveloped/ agricultural land.
1985	Areas of land disturbance, likely undergoing development.	A road similar in configuration to present-day Wycroft Road followed by vacant undeveloped land.	A rail line followed by vacant undeveloped land, followed by land that appeared to be undergoing development and apparent commercial/ industrial buildings.	Undeveloped land.
1990	A private roadway followed by vacant land and an inferred parking lot associated with the GO station at 2442 Wycroft Road.	Wycroft Road followed by areas of land disturbance, likely associated with the development of the surrounding properties.	Similar to 1985.	Inferred industrial/ commercial buildings similar in size and configuration to present-day 2212, 2182 and 2192 Wycroft Road.
2004	Similar to 1990.	Similar to 1990, except a building similar in size and configuration to present-day 2139 Wycroft Road has been constructed.	Similar to 1990.	Similar to 1990.



Year of Photograph	Northeast	Northwest	Southeast	Southwest
2008, 2010, 2016 and 2023	A private roadway which appears to have been re-aligned into a cul-de-sac, followed by a parking lot associated with the GO station. Additional buildings associated with the GO station are visible similar to present-day.	Wyecroft Road, followed by buildings similar in size and configuration to present-day 2190, 2195 and 2219 Wyecroft Road.	Similar to 1995, except an industrial building similar in size and configuration to present-day 2189 Speers Road had been constructed.	Similar to 1995.

A railway line oriented northeast-southwest was observed southeast of the Site in aerial photographs and satellite images reviewed between 1934 and 2019. The railway line is located approximately 55 m southeast of the Site. Creosote or chromated copper arsenate used to treat railway ties have the potential to impact soils in the vicinity of the railway lines; however, these impacts are typically minor, localized and near the surface. As such, it is Pinchin’s opinion that this railway line is unlikely to result in potential subsurface impacts at the Site.

3.3 Opta Information

As part of the 2018 Pinchin Phase I ESA Report, Pinchin contacted Opta Information Intelligence (Opta) to obtain copies of Fire Insurance Plans related to the Site and surrounding area, as well as Property Underwriters’ Reports (PURs) and Property Underwriters’ Plans related to the Site. Opta provided Pinchin with copies of the following (see Appendix I):

- FIP dated 1967;
- PURs dated 1988, 1990, 1995, 1997, 1998 and 2012; and
- PUP dated 1988.

Based on Pinchin’s review of aerial photographs (see Section 3.2 of this report), it is Pinchin’s opinion that the 1967 FIP provided by Opta does not include the Site or the surrounding area.

Based on Pinchin’s review of the PURs and PUP the following was noted:

- Site Building B was constructed in approximately 1987 and Site Building A had been constructed as of 1988;



- In 1988, Site Building A was occupied by a food processing operation. A boiler room was located within the north corner of Site Building A; the type of fuel supplying the boiler (e.g., natural gas-fired, fuel oil-fired, etc.) was not specified. The southwest portion of Site Building A was utilized for storage. Site Building C was not depicted on the 1988 PUP;
- In 1988, Units 20 and 21 within Site Building B were occupied by A.J. Exotic Extrusions Ltd. Machinery used as part of the operations included a lathe, milling machine, drill press, various saws, grinder, dryer, hopper, punch press, vertical extruder, air table, versa cutter, caterpillar puller and two water tanks. Heating was provided by natural gas. Based on a review of city directories (Section 3.3), this operation was listed at the Site in 1989. Based on the short duration of operations at the Site, it is Pinchin's opinion that this historical operation is unlikely to result in potential subsurface impacts at the Site;
- In 1990, the front of Unit 6 within Site Building B was occupied by United Building Investments, whose operations were not specified. Additional tenants within Site Building B as of 1990 consisted of Ian Jones Sales Limited (a machine shop in Units 7 and 8 and the rear of Unit 6), Hydra-Tech Machine & Engineering (a machine shop in Unit 9 and the rear of Unit 10), QIP Equipment Limited (a metal valve warehouse in Unit 11 and the front of Unit 10), Ideal Forming (a concrete and associated accessory warehouse in Unit 12), Galante Asphalt Inc. (a contractors office with minor storage in Unit 13), Corbett's Wholesale Ltd. (Units 14 and 15), HMS Equipment Sales (a lift truck repair/servicing operation within Unit 16), Insul Wall (Unit 17), Colour Flo (an automotive repair operation in Unit 18) and Vicwest Steel (a metal working shop in Units 20 and 21). Based on the observations made during Pinchin's previous Site reconnaissances in 2018 and 2020, Units 16 and 18 within the Site Building appeared to be in good condition and no evidence of historical spills or staining associated with the former lift truck repair/servicing and automotive repair operations within these units were observed. As such, it is Pinchin's opinion that the historical lift truck and automotive repair/servicing operations within Units 16 and 18 in Site Building B are unlikely to result in potential subsurface impacts at the Site;
- In 1990 and 1997, Corbett's Wholesale Ltd. occupied Units 14 and 15 within Site Building B. Operations conducted by Corbett's Wholesale Ltd. consisted of office operations, a showroom and the storage of sporting goods and equipment. The tenant located northwest of Corbett's Wholesale Ltd. (i.e., within Unit 13) was an auto body shop and the tenant located southeast of Corbett's Wholesale Ltd. (i.e., within Unit 16) was a general multi-tenant industrial unit;



- In 1994 and 1995, Units 19 and 20 within Site Building B were occupied by Norseman Steel Fabricators, whose operations consisted of cutting, binding, shearing, welding and grinding steel into various items including ovens, dust collectors and garbage bins;
- Additional tenants located within Site Building B in 1995 consisted of United Building Investments (offices and a building maintenance shop for the Site in Unit 6), Oakview Electrical (electrical supplies storage within Unit 8), Hydrotech (a machine shop in Units 9 and 10), QIP Equipment (offices and a warehouse in Unit 11), Corporate Sports (offices and a warehouse in Units 14 and 15), HMS Equipment (offices and a warehouse in Unit 16) and MFG Precast (offices and a concrete cutting workshop in Unit 17);
- In 1995, Unit 23 within Site Building C was occupied by Auto Pro Collision & Restoration. Cars and light duty trucks were serviced. Heating within this unit was provided by natural gas suspended heaters and electric baseboard units. A paint booth was located within this unit. Spray painting was noted to be conducted within a booth (reportedly in “excellent condition”), and paint and thinners were safely stored and dispensed from their original 22.7 to 27.2 litre (L) containers. At the time of Pinchin’s 2018, 2021 and 2024 Site reconnaissance, no evidence of historical spills or staining associated with the former automotive repair/restoration operations within Unit 23 within Site Building C were observed. Based on the observations made during Pinchin’s 2021 Site reconnaissance, it is Pinchin’s opinion that the historical paint booth and automotive repair/restoration operations within Unit 23 of Site Building C are unlikely to result in potential subsurface impacts at the Site;
- In 1998, Hydratech Machine and Engineering Ltd. was located on-Site and inferred to occupy Units 9 and 10 within Site Building B in 1998. Operations conducted by Hydratech Machine and Equipment Engineering Ltd. consisted of office operations and an open machine shop. The shop area contained a number of lathes, drill presses, milling machine, surface grinder and a radial arm drill. Hydraulic presses and electric forklifts were in use at this time. Housekeeping was noted to be good within the unit, with metal drums used for cut-off and metal shavings collection and storage. Heating was provided by natural gas suspended and roof mounted units. Based on the observations noted in 1998 and nature of operations, it is Pinchin’s opinion that this historical operation is unlikely to result in potential subsurface impacts at the Site; and
- In 2012, Unit 19 within Site Building B was occupied by River Drive Manufacturing O/A Amatrifara Inc. Operations conducted by River Drive Manufacturing O/A Amatrifara Inc. included office operations and assist strap manufacturing for commercial use in buses and trains. A mezzanine was located above the office area and utilized for storage. The welding machines were utilized within the manufacturing area.



Heating was provided by natural gas-fired radiant tube heaters and electric baseboard heaters. Based on the absence of reported waste generation by this operation (refer to Section 4.4) as well as the nature of operations (i.e., welding), it is Pinchin’s opinion that this historical operation is unlikely to result in potential subsurface impacts at the Site.

3.4 City Directories

City directories for the years 1974 to 2001 were reviewed by Pinchin at the Toronto Reference Library, in Toronto, Ontario. It should be noted that no city directories were available for the Town of Oakville subsequent to 2001. A summary of information obtained with respect to the Site is provided in the following table:

Year(s)	Occupant Listings for Site Address
1974 to 1985	Not listed.
1989	Sovereign Fine Foods Inc., United Building Contractors Ltd., Ian Jones Industrial Sales Limited, H&S Hydratech Ltd., QIP Equipment Ltd., HMS Equipment Sales, Collins Company Associates Ltd, Colour Creations, AJ Exotic Extrusions Ltd.
1991	Collcom Contracting Ltd., Color N Motion, Corbetts Wholesale Ltd., Galante Asphalt Sealing., HMS Equipment Sales., Hydratech Machine & Eng Ltd., Ian Jones Industrial Sales Ltd., Ideal Forming Ltd., QIP Equipment Ltd., Sovereign Fine Foods Inc., United Building Contractors Ltd.
1995	Auto Pro Collision and Restoration, Corbett's Wholesale Ltd., Galante Asphalt Services, Kencro Chemicals Limited, Lawson Taylor Inc., Master Dyne Ltd., Vector Marketing Canada Ltd., Unite Building Contractors Ltd., Hydratech Machine & Engineering Ltd., QIP Equipment Ltd., HMS Equipment Sales.
1998	Auto Body Clinic, Auto Pro Collision and Restoration, Corbett's Wholesale Ltd., EN Bartley Services, Floor Medic Ltd, Hager Plumbing Mechanical Contractors Inc., Kencro Chemicals Limited, MFG Precast, Master Dyne Ltd., Norseman Steel Fabricators, Post Sandra Winter Gold Club & School, SKARRATT Ltd., Vector Marketing Canada Ltd., XL Parking Lot Maintenance Inc., United Building Contractors, Hydratech machine & Engineering Ltd, QIP Equipment Ltd.
2001	Airbounce Amusements, Atlantic Roofers Oakville Ontario, Auto Pro Collision & Restoration, Contract Furniture Refinishing, Corbett's Wholesale Ltd., Filter Solutions, George Seehaver Welding & Fabricating Ltd., Hydratech Machine & Eng Ltd. Kencro Chemicals Ltd., MFG Precast, MacDougall Rob Illustrations Ltd. Master-Dyne Ltd., Metalsmiths Co Ltd., Newburgh, Nicholson Chemical Inc., Norseman Steel Fabricators, Phantom Woodworking, QIP Equipment Ltd., United Building Contractors Ltd., Vector Marketing Canada Ltd., Vendwell Industries Inc., and Zaniko Machining

Ian Jones Industrial Sales Limited, formerly located in Units 7 and 8 and the rear of Unit 6, was listed at the Site from 1989 to 1991. Based on the short duration of operations at the Site, it is Pinchin’s opinion that this historical operation is unlikely to result in potential subsurface impacts at the Site.



H&S Hydratech Ltd, formerly located in Unit 9 and the rear of Unit 10, was listed at the Site from 1989 to 2001. Based on observations made during Pinchin's Site reconnaissances in 2018, 2020 and 2024, these units within the Site Building appeared to be in good condition and no evidence of spills or staining was observed. As such, it is Pinchin's opinion that this former operation is unlikely to result in potential subsurface impacts at the Site.

AJ Exotic Extrusions Ltd., formerly located in Units 20 and 21 within Site Building B, was listed at the Site in 1989 and in the 1988 PUR. Based on the short duration of operations at the Site, it is Pinchin's opinion that this historical operation is unlikely to result in potential subsurface impacts at the Site.

Norseman Steel Fabricators, formerly located in Units 19 and 20 within Site Building B, was listed at the Site from 1998 to 2001. Based on the absence of hazardous wastes generated by this operation (refer to Section 4.4) as well as the limited duration of operations, it is Pinchin's opinion that this historical operation is unlikely to result in potential subsurface impacts at the Site.

Auto Pro Collision and Restoration, formerly located in Unit 18, was listed at the Site between 1995 and 1998. Based on the limited duration of operations (i.e., approximately 4 years), as well as the nature of this operation (i.e., automotive body work; see Section 3.3 for additional information), it is Pinchin's opinion that this former on-Site occupant is unlikely to result in potential subsurface impacts at the Site.

Auto Body Clinic, formerly located in Unit 13, was listed at the Site in 1998. The location of this former Site occupant (i.e., unit number) was not specified. Based on the limited duration of operations (i.e., approximately 4 years) as well as the inferred nature of this operation (i.e., automotive body work), it is Pinchin's opinion that this former on-Site occupant is unlikely to result in potential subsurface impacts at the Site.

Kencro Chemicals Ltd., formerly located in Units 4 and 5, was listed at the Site from 1995 to 2001. Based on the limited quantity of wastes generated (refer to Section 4.4), it is Pinchin's opinion that this former on-Site occupant is unlikely to result in potential subsurface impacts at the Site.

In general, the city directories indicated that the surrounding area has historically consisted of commercial and industrial land uses since 1980. No historical dry-cleaning operations, RFOs or other operations of potential environmental concern were identified; however, Pinchin notes the following:

- New West Gypsum Recycling (Ontario) Inc. was listed at 2182 Wyecroft Road from 1996 to 2001. This property is located adjacent to the southwest of the Site and is situated hydraulically transgradient of the Site relative to the inferred groundwater flow direction. Based on information reviewed in Section 4.4, operations at this property consisted of collection, bulking, transfer and processing of gypsum wallboard wastes. Based on the nature of operations as well as the inferred groundwater flow direction, it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Site;



- Various industrial operations (i.e., OH Materials of Canada Ltd., OHM Remediation SVC – Canada, MTM Steel Processing Inc.) were listed at 2192 Wycroft Road from 1991 to 2001. This property is located adjacent to the southwest of the Site and is situated hydraulically transgradient of the Site relative to the inferred groundwater flow direction. Based on information reviewed in Section 4.4, the limited average annual quantities of hazardous wastes generated, it is Pinchin’s opinion that this property is unlikely to result in potential subsurface impacts at the Site
- An automotive repair/servicing facility was listed at 2212 Wycroft Road from 1995 until 1998. This property is located approximately 70 m southwest of the Site and is situated hydraulically transgradient of the Site relative to the inferred groundwater flow direction. Based on the distance between the automotive repair/servicing facility and the Site, as well as the inferred groundwater flow direction, it is Pinchin’s opinion that this historical off-Site operation is unlikely to result in potential subsurface impacts at the Site; and
- Historical automotive repair facilities and other operations of potential environmental concern were listed within the city directories reviewed for the Site area. However, based on the locations/distances of these facilities from the Site, the inferred groundwater flow direction and the fact that the majority of these properties have been redeveloped, it is Pinchin’s opinion that these historical facilities are unlikely to result in potential subsurface impacts at the Site.

3.5 Previous Environmental Reports

2021 Pinchin Phase I ESA Report

The Phase I ESA completed by Pinchin in July 2021 consisted of historical reviews, a review of surrounding properties, a regulatory database search, and interviews as well as an interior and exterior assessment of the Site.

As part of the 2021 Pinchin Phase I ESA Report, Pinchin reviewed a copy of the following report previously prepared by Pinchin entitled “*Phase I Environmental Site Assessment, 2172 Wycroft Road, Oakville, Ontario*”, prepared for Northbridge Investment Management, and dated June 14, 2018 (2018 Pinchin Phase I ESA Report).

Pinchin notes that operations at the Site were similar to present-day, with the following notable observations:

- Automotive repair operations were present in Units 18 of Site Building B and Unit 24 of Site Building C, similar to present-day;



- Evidence of oil staining was observed on the concrete floor below an aboveground hoist within Unit 18 of Site Building B. The floor slabs were observed to be in good condition (i.e., no significant cracking) and no floor drains were present in the vicinity of the staining. Pinchin noted that the staining did not represent a material environmental concern; and
- The four ASTs observed during the 2024 Site reconnaissance were also observed in 2021.

The results of the 2021 Pinchin Phase I ESA Report indicated that there were no significant potential environmental concerns associated with the current and historical use of the Site and adjacent properties and as such, no further environmental assessment work was recommended.

2022 Pinchin Preliminary Geotechnical Investigation and Hydrogeological Assessment

The purpose of the assessment was to provide preliminary geotechnical and hydrogeological design recommendations for the proposed mixed-use development at the Site.

Six boreholes (BH1 through BH6), complete with monitoring wells, were advanced at the Site to determine the subsurface conditions and soil engineering characteristics. The boreholes were advanced to depths ranging between 6.1 and 9.6 mbgs.

The soil stratigraphy at the Site consisted of clayey silt till deposits to depths ranging from approximately 1.7 to 1.8 mbgs, overlying shale bedrock. Groundwater levels measured between 2.86 and 9.31 mbgs. Environmental soil or groundwater testing was not conducted as part of the geotechnical and hydrogeological investigation.

3.6 Historical Summary

Based on the results of the historical review, nothing was identified that is likely to result in potential subsurface impacts at the Site.

4.0 REGULATORY INFORMATION AND CORRESPONDENCE

4.1 Site Regulatory Information

Pinchin requested copies of permits, approvals and registrations from the Site Representative and was advised that there is no regulatory information with respect to the Site. For details pertaining to the approvals for historical tenants, see the MECP Freedom of Information (FOI) response (see Section 4.2) and the environmental databases provided by ERIS (See Section 4.4).



4.2 Ministry of the Environment, Conservation and Parks

A Freedom of Information request was submitted to the MECP for information on file with respect to the Site. Specifically, the MECP was asked what information it has regarding historical spills, orders, investigations/prosecutions, waste generator numbers/classes, Certificates-of-Approval (Cs-of-A) and Environmental Compliance Approvals (ECAs). Based on written correspondence with the MECP dated April 19, 2024, the following information was on file with respect to the Site:

- Kencro Chemicals Limited (Unit 4) was listed under the C-of-A – Air (Number 1511-5GGMD6) and Amended C-of-A – Air (Number 8440-7ZEPW5) issued on January 25, 2010, for the approval of two packed bed scrubbers and four storage tanks for the storage of sodium hydroxide 50% solution, potassium hydroxide 45% solution, ferric chloride 45% solution, and sulphuric acid 96% solution, exhausting into the atmosphere;
- Genieye Systems Inc. was listed under the C-of-A – Air (Number 8039-6LMPZP) issued on February 13, 2006, for the approval of one paint spray booth;
- Jolly & Associates Consultants Inc. (Unit 24) was listed under the C-of-A – Air (Number 8711-4PEL79) for the approval of one evaporator for a silicic acid solution and seven natural gas-fired burners serving the evaporator;
- An incident report dated October 8 and 9, 2014, indicated odour complaints from a paint booth exhaust at Alome Finishing (Unit 11). A request from the MECP to complete an ECA and register in the Emission Environmental Activity and Sector Registry (EASR) associated with a spray booth from Alome Finishing, dated September 22, 2015, and May 16, 2018;
- An incident report dated May 8, 2008, indicated that residual fertilizer from the tanks of the Tree Specialist tenant (Unit 23) was dumped into a swale located south of the Site. The catch basins were vacuumed, and the pavement was washed. The report indicated that the stained soil in the area was to be excavated. No further action was required;
- Incident reports dated July 11, 2006, and February 22, 2010, indicated excessive dust being generated at New West Gypsum. The drywall products were tested for asbestos and the analytical results indicated the dry wall did not contain asbestos. Based on the nature of the dust (i.e., dry wall) and the analytical results of the product, it is Pinchin's opinion that the incidents are unlikely to result in potential subsurface impacts at the Site; and
- A responsive event report dated August 25, 2023; a motor vehicle accident resulted in a struck transformer. Approximately 40 L of non- polychlorinated biphenyls (PCBs) oil from a transformer spilled into a spill containment. Super Sucker was retained to clean up the spill, and repairs were noted to be made.



No impacts were noted to the soil and water, as well as the catch basins and drains. See the occurrence report dated September 22, 2002 (below) for Pinchin's opinion and further recommendations pertaining to on-Site PCB related spills.

Subsequent to the issuance of the 2018 and 2021 Pinchin Phase I ESA Reports, responses from the MECP, dated October 3, 2018, and June 8, 2022, were received by Pinchin. Based on our review of the 2018 and 2022 MECP responses, the following was noted:

- Registration documents for Alome Finishing (Unit 10-11, Site Building B), Bezemer Services, Filter Solutions Inc. (Unit 21, Site Building C), Kencro Chemicals Limited (Unit 4, Site Building A), Macmillan Machining Inc. (Unit 9, Site Building B), United Building Investments (Unit 6, Site Building B), Auto Pro Collision and Restoration (Unit 18, Site Building B), Dyne Limited (Unit 3, Site Building A) and Hager (Unit 25, Site Building C) and HMS Equipment Sales (Unit 16, Site Building B), had been registered as generators of hazardous wastes. See Section 4.4 for further details pertaining to on and off-Site waste generation;
- An incident report and a follow up report by the MECP dated August 9, 2013, and October 24, 2013, noted the presence of excess dust associated with the grinding of marble counter tops at the Site by Stonehouse Granite, Unit 24, Site Building C;
- An incident report dated September 15, 2011 noted a strong odour of diesel or gasoline. The report indicated that the odour was the strongest in an area of dead grass. Based on further investigation, it was confirmed that the patch of dead grass was due to the result of a storage container or salt;
- An incident report dated October 6, 1992 and September 11, 2006 noted excessive dust being generated at 2182 Wyecroft Road associated with New West Gypsum recycling, blowing onto the Site. Based on the similar incident reports for this tenant noted above and asbestos analytical testing, the incidents are not an environmental concern;
- An occurrence report dated September 22, 2002, indicated that an on-Site leak of an unknown quantity of transformer oil occurred to a gravel-bottomed vault. It was noted that the on-Site transformer was installed in 1987 and, as such, the transformer oil did not likely contain PCBs. The transformer was owned and maintained by Oakville Hydro and, as such, the spill was the responsibility of Oakville Hydro. Based on information presented in the occurrence report, corrective actions involved pumping oil/water from the area as well as the application of absorbent material. The MECP noted that, based on the corrective actions taken, no further action was deemed warranted.



Based on Pinchin's observations at the time of the 2018 and 2021 Site reconnaissances, no staining or other evidence of historical spills was observed in the vicinity of the on-Site transformer. However, at the time of the 2024 Pinchin Site reconnaissance, and due to a transformer struck in 2023, sheen was observed in the pooling water surrounding the transformer. While residual contamination may remain, given the information presented in the occurrence report, the time that has elapsed since the discharge and/or that residual impacts (if present) would be the responsibility of Oakville Hydro, residual contamination (if present) would not be considered a material risk that warrants further investigation;

- A request from the MECP for an application for a C-of-A associated with air discharges from Nicholson Chemical Inc, Unit 18 in Site Building B, dated April 3, 2009;
- An occurrence report dated May 9, 2002, detailing a hydrochloric acid vapour discharge to the atmosphere at the Site by Kencro Chemicals Limited, Units 4 and 5, Site Building A. In a letter dated May 14, 2002, the MECP indicated that seven chemical holding tanks were located within these units, all of which were exhausted to the atmosphere; the sizes and contents of the tanks were not specified. It was indicated that a C-of-A for air discharges was required for these air discharges. Based on the C-of-A issued to this operation in 2010, the chemical holding tanks contained sodium hydroxide, potassium hydroxide, ferric chloride and sulphuric acid. Based on Pinchin's observations at the time of the Site reconnaissance (i.e., no stains or evidence of historical spills), as well as the limited average annual quantities of hazardous wastes generated (refer to Section 4.4), it is Pinchin's opinion that the reported generation of hazardous wastes by this on-Site tenant is unlikely to result in potential subsurface impacts at the Site; and
- A letter from the MECP noted the application for a C-of-A associated with air discharges from Newburgh Specialized Chemicals, Unit 24 in Site Building C, September 26, 2000.

The MECP *Brownfields Environmental Site Registry* was searched by ERIS as part of the database searches completed. According to the ERIS report, a Record of Site Condition (RSC) has not been filed for the Site; however, an RSC has been filed for the property located at 2195 Wyecroft Road which is situated approximately 35 m west of the Site. This property is situated hydraulically upgradient/transgradient of the Site in relation to the inferred groundwater flow direction. The RSC indicates the following information:

- The RSC (#46019) was filed on January 26, 2009 and permitted a change of land use from commercial to institutional; and
- The RSC was supported by two Phase I ESAs completed by Naylor Engineering Associates Ltd. No subsurface investigation work (Phase II ESA) was completed to support the filing of the RSC.



4.3 Technical Standards & Safety Authority

As part of the 2018 Pinchin Phase I ESA Report, the Technical Standards & Safety Authority (TSSA) was contacted to establish the status of the Site with respect to its files, to identify outstanding instructions, tank registrations, incident reports, fuel/oil spills or contamination records associated with the Site. Based on letter correspondence with the TSSA on August 28, 2018, no information was on file with respect to the Site. A copy of the TSSA response is provided in Appendix II of this report.

4.4 ERIS

Pinchin submitted a request to ERIS for a review of their available databases, as they pertain to the Site and surrounding properties.

A copy of the ERIS report is provided in Appendix III. Based on a review of the information obtained from the available databases, Pinchin notes the following:

- The Site was listed under the following databases:
 - The Ontario Spills database indicated that on August 25, 2023, approximately 40 L of non- PCB transformer oil spilled into a spill containment area. The ERIS report indicated that the spill was being cleaned. Pinchin notes that based on observations made during Site reconnaissance, sheen was observed in the pooled water surrounding the transformer. During Site reconnaissance, Pinchin was informed that the transformer was replaced in September 2023 following this spill. Based on the nature of the spill and the information provided in Section 4.2, it is Pinchin's opinion that this historical spill occurrence represents a potential environmental concern. However, the transformer is owned and maintained by Oakville Hydro, and it should be noted that any maintenance and/or residual impacts (if present) associated with the transformer would be the responsibility of Oakville Hydro;
 - Kencro Chemicals Limited and Newburgh had been listed under the Chemical Register as facilities that manufactures and/or distributes chemicals;
 - Kencro Chemicals Limited (Unit 4) was listed under the Amended Certificate of Approval – Air (Number 8440-7ZEPW5) issued on January 25, 2010, for the approval of two packed bed scrubbers, four storage tanks for the storage of sodium hydroxide, and two storage tanks used for the storage of 12% trade sodium hypochlorite solution;



- Kencro Chemicals Limited (Unit 4) had been registered with the MECP as a generator of various hazardous wastes from 2007 to 2011. Based on a review of Pinchin's in-house MECP waste generator database, 650 kilograms (kg) of alkaline wastes – other metals were generated in 2007, 400 kg of other inorganic acid wastes were generated in 2011, and 200 kg of inorganic laboratory chemicals were generated in 2008;
- Genieye Systems Inc. (Units 14 and 15) was listed under the Certificate of Approval – Air (Number 8039-6LMPZP) issued on February 13, 2006, for the approval of one paint spray booth and one non-atomizing spray gun;
- Jolly & Associates Consultants Inc. (Unit 24) was listed under the Certificate of Approval – Air (Number 8711-4PEL79) for the approval of one evaporator and seven natural gas-fired burners serving the evaporator;
- HMS Equipment Sales, previously located in Unit 16, had been registered with the MECP as a generator of various hazardous wastes from 1986 to 1998. Based on a review of Pinchin's in-house MECP waste generator database, 6,305 kg of waste oils and lubricants were generated between 1991 to 1996, and 192 kg of petroleum distillates were generated in 1991 and 1992;
- Master-Dyne Limited (Unit 3) had been registered with the MECP as a generator of petroleum distillates from 1992 to 2001. Based on a review of Pinchin's in-house MECP waste generator database, 120 kg of petroleum distillates were generated in 1992;
- Auto Pro Collision and Restoration (Unit 18) and Hager (Unit 25) had been registered with the MECP as generators of various hazardous wastes from 1993 and 1998. Based on a review of Pinchin's in-house MECP waste generator database, no wastes were manifested under these generator numbers;
- United Building Investments No. 6 Limited (Unit 6) had been registered with the MECP as a generator of oil skimmings and sludges in 2005. Based on a review of Pinchin's in-house MECP waste generator database, 700 kg of oil skimmings and sludges were generated in 2005;
- Bezemer Service had been registered with the MECP as a generator of various hazardous wastes from 2007 to 2010. Based on a review of Pinchin's in-house MECP waste generator database, 4,095 kg of oil skimmings and sludges were generated in 2009, and 410 kg of aromatic solvents were generated in 2008;



- MacMillan Machining Inc. (Unit 9) had been registered with the MECP as a generator of emulsified oils from 2007 to 2018. Based on a review of Pinchin's in-house MECP waste generator database, 5,573 kg of emulsified oils were generated between 2008 and 2016;
- Filter Solutions Inc. (Unit 21) had been registered with the MECP as a generator of various hazardous wastes from 2007 to 2010. Based on a review of Pinchin's in-house MECP waste generator database, 300 kg aromatic solvents were generated between 2007 and 2010, and 50 kg of paint/pigment/coating residues were generated in 2007;
- Alome Finishing (Units 10-11), had been registered with the MECP as a generator of aromatic solvents from 2016 to 2022. Based on a review of Pinchin's in-house MECP waste generator database, 410 kg aromatic solvents were generated in 2016 and 2017; and
- KGO Group Ltd. (Unit 4-5) had been registered with the MECP as a generator of various hazardous wastes in 2021 and 2022. Based on a review of Pinchin's in-house MECP waste generator database, hazardous wastes generated in 2021 and 2022 (inferred to have been generated at the Site) include 100 kg of waste oils and lubricants, 100 kg of paint/pigment/coating residues, and 75 kg of organic laboratory chemicals generated in 2021.

Based on Pinchin's observations at the time of the Site reconnaissance (i.e., no stains or evidence of historical spills), as well as the limited average annual quantities of hazardous wastes generated, it is Pinchin's opinion that the reported generation of hazardous wastes by these on-Site tenants is unlikely to result in potential subsurface impacts at the Site;

- The Waste Disposal Sites database indicated that New West Gypsum Recycling (Ont.) Inc. had been approved as a waste disposal site (ECA #A210424) as of October 7, 2016, at 2180 Wyecroft Road (inferred 2182 Wyecroft Road). No additional information was provided. This property is located immediately southwest of the Site and is situated hydraulically transgradient of the Site relative to the inferred groundwater flow direction. Based on the Pinchin's on-line review of the ECA (#A210424), the operations associated with the ECA were comprised of the use of the property for the collection, bulking, transfer and processing of gypsum wallboard wastes. Based on the nature of operations, well as the inferred groundwater flow direction, it is Pinchin's opinion that this property is unlikely to result in subsurface impacts at the Site;



- The property located at 2192 Wyecroft Road had been registered with the following databases:
 - Kencro Chemicals Limited was listed under the Amended Environmental Compliance approval (Number 1017-A3QJX8) issued on November 4, 2015, for the approval of three storage tanks storing sulphuric acid, one packed bed scrubber, one spray scrubber, and two storage tanks used to store 12% trade sodium hypochlorite solution;
 - The Ontario Spills database indicated on May 9, 2002, muriatic acid (hydrochloric acid) had released into the atmosphere. The Ontario Spills database also indicated that on May 10, 2019, a spill had not been reported;
 - Kencro Chemicals Ltd. had been registered with the MECP as a generator of various hazardous chemicals from 2012 to 2022. Based on a review of Pinchin's in-house MECP Waste Generator database, the following approximate quantities of hazardous wastes were generated:
 - 8,444 kg of other inorganic acid wastes generated between 2018 and 2020;
 - 2,500 kg of oil skimmings and sludges generated in 2017;
 - 1,000 kg of reactive anion wastes generated in 2020;
 - 783 kg of aliphatic solvents generated in 2021; and
 - 1,089 kg of other wastes (alkaline wastes – other metals and inorganic laboratory chemicals) generated between 2013 and 2021.
 - O.H. Materials of Canada Ltd. had been registered with the MECP as a generator of various hazardous chemicals from 1989 to 1998. Based on a review of Pinchin's in-house MECP Waste Generator database, approximately 2,400 kg of inorganic laboratory chemicals and 220 kg of waste oils and lubricants were generated in 1991 and 1992; and
 - 969452 Ontario Limited had been registered with the MECP as a generator of various hazardous wastes in 2011. Based on a review of Pinchin's in-house MECP Waste Generator database, approximately 1,500 kg of oil skimmings and sludges were generated in 2011.



This property is located immediately southwest of the Site and is situated hydraulically upgradient/transgradient of the Site relative to the inferred groundwater flow direction. Based on the limited average annual quantities of hazardous wastes generated, the release of the spill occurrence (i.e., air), as well as the inferred low hydraulic conductivity of the subsurface soil, it is Pinchin's opinion that the reported generation of hazardous wastes and release occurrence at this property are unlikely to result in potential subsurface impacts at the Site;

- The following listings were found in the *Ontario Regulation 347 Waste Generators Summary* database for the property listed at 2139 Wyecroft Road:
 - Westsun Scenic Edge Inc. had been registered with the MECP as a generator of various hazardous wastes in 1998 to 2001. Based on a review of Pinchin's in-house MECP Waste Generator database, approximately 3,605 kg of paint/pigment/coating residues and 420 kg of waste compressed gases were generated from 1999 to 2000;
 - Agfa Inc. had been registered with the MECP as a generator of photoprocessing wastes in 2007 and 2008. Based on a review of Pinchin's in-house MECP Waste Generator database, 2,510 kg of photoprocessing wastes were generated in 2008; and
 - Shuttle Express Inc. had been registered with the MECP as a generator of organic laboratory chemicals in 2016 and 2017. Based on a review of Pinchin's in-house MECP Waste Generator database, 385 kg of organic laboratory chemicals were generated in 2016.

This property is located approximately 30 m north of the Site and is situated hydraulically up/transgradient of the Site relative to the inferred groundwater flow direction. Based on the limited average annual quantities of hazardous wastes generated as well as the distance from the Site, it is Pinchin's opinion that the reported generation of hazardous wastes at this property is unlikely to result in potential subsurface impacts at the Site;

- Additional surrounding properties were listed in other environmental databases; however, based on the information provided within the ERIS report, the locations/distances between these properties and the Site, as well as the inferred groundwater flow direction, it is Pinchin's opinion that the potential issues of concern associated with these listings are unlikely to result in potential subsurface impacts at the Site.



4.5 Regulatory Information Summary

Based on the regulatory information reviewed, nothing was identified that is likely to result in potential subsurface impacts at the Site, however, Pinchin notes the following:

- An occurrence report dated September 22, 2002, indicated that an unknown quantity of transformer oil leaked onto a gravel-bottom vault. Subsequently, on August 25, 2023, a motor vehicle accident resulted in striking the transformer and approximately 40 L of non-PCB oil spilled into the spill containment surrounding the transformer. While residual contamination may remain in the vicinity of the transformer, given the information presented in the occurrence report, considering the time that has elapsed since the discharge and/or that residual impacts (if present) would likely be the responsibility of Oakville Hydro, any residual contamination (if present) in the vicinity of the transformer would not represent a material liability for the continued commercial or industrial use of the Site.

5.0 SITE RECONNAISSANCE

Pinchin (see Appendix IV for assessor qualifications) conducted a Site reconnaissance on April 4, 2024, and was accompanied by the Site Representative. The Site reconnaissance included a walk-through of accessible areas of the interior of the Site Buildings and exterior areas. Site areas not accessed during the Site reconnaissance included units Unit 6 of Site Building A, Unit 8 and Unit 12 of Site Building B as the keys were not available at the time of the Site reconnaissance and, as such, these units were not assessed by Pinchin. At the time of the Site reconnaissance, the ground surface was partially wet, limiting exterior observations, and the weather was overcast. The Site reconnaissance was documented with notes and photographs. The results of the Site reconnaissance are discussed below. Photographs of some of the features noted during the Site reconnaissance are attached in Appendix V.



5.1 Hazardous Materials

Topic	Findings
Chemicals	<p>Chemicals typically used for general purpose cleaning and building maintenance (e.g., window cleaners, bleach, paints, deodorizers, etc.) were noted on-Site at the time of the Site reconnaissance. Chemicals observed on-Site were stored within manufacturer-supplied containers in various locations within the Site Buildings.</p> <p>One gasoline jerry can (25-L) was stored within Unit 25 in Site Building C.</p> <p>Hydraulic oil was stored in 20-L pails (approximately two) within Unit 9 in Site Building B.</p> <p>Engine oil was stored in a 540-L and 720-L plastic ASTs located within the southeast interior portion of Unit 18 in Site Building B.</p> <p>Automotive maintenance fluids (e.g., various motor oils, antifreeze, coolants, etc.), stored within manufacturer-supplied containers in Unit 18 in Site Building B.</p> <p>Paints associated with the on-Site paint booths were observed in manufacturer-supplied containers within Unit 11 in Site Building B.</p>
Compressed Gases	<p>Propane (ten 50-pound cylinders) stored on the concrete floor within Unit 4, within Site Building A and on the southwest exterior portion of Units 19-21 in Site Building B.</p> <p>Argon, Argon-Oxygen Welding Mix and oxygen cylinders (approximately six) chained to the concrete wall on the concrete floor within the interior portion of Unit 4 in Site Building A.</p>
Hazardous Waste	<p>Waste oil is stored in two 600-L ASTs located northeast of Unit 18 of Site Building B. Waste oil filters and waste coolant generated within Unit 18 in Site Building B were stored within designated containers within Unit 18. The hazardous wastes generated within Unit 18 were removed for off-Site disposal on an as-needed basis by an external licensed waste hauler.</p> <p>Waste hydraulic oil stored in 20-L pails (approximately 4) located on the southwest exterior portion of Units 19-21 in Site Building B.</p>

Evidence of recent and historical oil staining was observed on the concrete floor below one of the aboveground hoists within Unit 18. The floor slab in this area was observed to be in good condition (i.e., no significant cracking). Furthermore, the floor slabs in the observed areas of chemical storage were noted to be in good condition. No floor drains were present in the vicinities of the chemical storage areas.



5.2 Storage Tanks

5.2.1 Aboveground Storage Tanks

The following ASTs were observed on-Site:

Size (litres)	Construction Material	Single or Double Wall	Age	Product Stored	Location
600	Steel	Single	2005	Waste oil	Adjacent to the northeast of Unit 18, Site Building B.
600	Steel	Single	2005	Waste oil	Adjacent to the northeast of Unit 18, Site Building B.
540	Plastic	Single	Unknown	Engine Oil	Southeast interior portion of Unit 18, Site Building B.
720	Plastic	Single	Unknown	Engine Oil	Southeast interior portion of Unit 18, Site Building B.

Absorbent had been observed beneath and in the vicinity of the interior ASTs. The concrete floor appeared to be in good condition (i.e., no cracks or pitting). Staining and sheen was observed on the asphalt surface beneath and in the vicinity of the exterior ASTs. The asphalt surface appeared to be in fair condition with minor cracking. However, Pinchin notes that due to the present of equipment storage in the area of the exterior ASTs, a thorough assessment for staining on the asphalt surface could not be completed at the time of Site reconnaissance. Pinchin's opinion that the observed staining does not represent a significant environmental concern; however, housekeeping practices should be improved to minimize future spills and/or leaks.

Although ASTs are commonly associated with buildings of this age (i.e., approximately 1987 and 1989) and operations (i.e., various industrial operations including automotive repair and machine shops), Pinchin was unable to confirm or refute the presence of former on-Site ASTs. No evidence of former ASTs was observed by Pinchin.

Based on information reviewed in Section 4.2, Kencro Chemicals Limited (Unit 4) was issued a C-of-A in 2010 which indicated that this operation utilized four ASTs for the storage of sodium hydroxide, potassium hydroxide, ferric chloride and sulphuric acid. As previously mentioned, based on the nature of the contents of the ASTs, it is Pinchin's opinion that these ASTs are unlikely to result in potential subsurface impacts at the Site.

5.2.2 Underground Storage Tanks

No evidence of underground storage tanks (USTs) (i.e., fill/vent pipes) was observed on-Site. However, the Site Representative has not been associated with the Site since its development.



Therefore, a representative knowledgeable about the Site was not available to confirm or refute the presence of a former or current UST located at the Site. Although USTs are commonly associated with buildings of this age (i.e., approximately 1987 and 1989) and operations (i.e., various industrial operations including automotive repair and machine shops), Pinchin was unable to confirm or refute the presence of former on-Site USTs. No evidence of former USTs was observed by Pinchin.

5.3 Water and Wastewater

Topic	Findings
Water Supply Source	Halton Region. Water is obtained by the Region from Lake Ontario. Groundwater is not used as a source of potable water.
Water Use	Water is primarily used for domestic-related activities, in the fire suppression systems. Additionally, water is used in the following operations: <ul style="list-style-type: none">• Water baths in Unit 1 of Site Building A for pump testing;• Water is used in Units 19 and 21 in Site Building B for cutting granite; and• Car washing activities in Unit 24 of Site Building C.
Sanitary/Process Wastewater Receptor	Municipal sanitary sewer system. Wastewater includes sanitary effluent and wastewater generated from the car washing activities Unit 24 in Site Building C, as well as the granite cutting in Units 19-21 in Site Building C.
Pits, Sumps or Lagoons	Various trenches and pits associated with the granite cutting activities were observed within the shop area in Units 20 and 21 of Site Building B. No additional sumps, pits or lagoons were observed. Linear floor drains were observed in Unit 18 in Site Building B and in Unit 24 in Site Building C. The drains reportedly collect rainwater or snow melt from vehicles entering the units and reportedly is directed to oil/water separators within each respective unit. The interior of the drains were not accessible at the time of the Site reconnaissance and therefore Pinchin was unable to confirm the integrity of the floor trenches; however, no odours were observed, and the drains appeared to be in good condition (i.e., no cracking or pitting).
Grease Traps	None observed and none reported by the Site Representative.



Topic	Findings
Oil/Water Separators	<p>An out-of-use oil/water separator was located adjacent to the southeast of Site Building A. Two vent pipes, inferred to be associated with the oil/water separator, were observed along the southeast side of Site Building A.</p> <p>An oil/water separator is located within Unit 18 of Site Building B. The contents of the oil/water separator within Unit 18 of Site Building B are removed for off-Site disposal on an as-needed basis by an external licensed contractor.</p> <p>An oil/water separator is located within Unit 24 of Site Building C. According to a representative from Clean Freaks Auto Detailing, the system is not currently in use.</p> <p>The integrity of the oil/water separators could not be assessed at the time of the Site reconnaissance due to the fact that the lids were obstructed. The oil/water separators were reported to be of concrete construction.</p>
Storm Water Flow and Receptor	<p>On-Site catch basins and interior roof drains are connected to the municipal storm sewer system.</p>
Wells	<p>Four monitoring wells (BH1, BH2, BH3 and BH5) installed as part of the 2022 Pinchin Hydrogeological Investigation Report were observed while two monitoring wells (BH4 and BH6) were not observed. See Figure 2 for the location of the wells.</p>
Watercourses, Ditches or Standing Water	<p>None observed and none reported by the Site Representative.</p>

5.4 Hydraulic Equipment

With the exception of hydraulic dock levels, compactors and balers and above-ground hydraulic hoists, no other hydraulic equipment was identified at the Site. It is Pinchin's opinion that this hydraulic equipment is unlikely to result in potential subsurface impacts at the Site.

5.5 Polychlorinated Biphenyls

The use of PCBs in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors was common until Canada banned its use in 1980. The Federal PCB Regulations, SOR/2008-273, regulate the manufacture, import, export, sale, use and processing of PCBs. These regulations required the decommissioning of equipment containing high levels of PCBs (>500 ppm) in 2009. Additionally, the regulations require decommissioning of light ballasts, pole top transformers, capacitors and electrical equipment containing greater than 50 mg/kg PCBs by December 31, 2025. Cables, pipelines and equipment associated with natural gas, petroleum and petroleum products, and fusion sealed capacitors for use in communication equipment and electrical control equipment are exempt from the decommissioning requirement.



Given the years of construction of the Site Buildings (approximately 1987 and 1989), it is unlikely that PCBs are present in on-Site electrical equipment. A pad-mounted oil-cooled transformer was located northwest of Site Building C. Pinchin was informed that the transformer was replaced in August 2023, as the former transformer was struck by a truck. Approximately 40 L of non-PCB transformer oil spilled into a spill containment area. This spill occurrence was listed in the Ontario Spills database (refer to Section 4.4) and based on information provided in Section 4.2, the spill was cleaned up and no impacts were noted to the soil, water, catch basins and drains. The former transformer was replaced on the day of the strike. Additionally, on September 22, 2002, a leak of an unknown quantity of transformer oil had occurred. Based on information provided in Section 4.2, corrective actions undertaken in 2002 involved pumping oil/water from the area as well as the application of absorbent material. The MECP noted that in 2002, based on the corrective actions taken, no further action was deemed warranted. The current transformer is situated over a concrete pad surrounded by a wooden berm; however, the pad was observed to be below grade. Additionally, sheen was observed in the water pooling around the transformer in the wooden berm. The source of the sheen is unknown. While residual contamination may remain, given the information presented in Section 4.2, the time elapsed since the discharge and/or that residential impacts (if present) would be the responsibility of Oakville Hydro, residual contamination (if present) would not be considered a material risk that warrants further investigation.

Given the years of construction of the Site Buildings (approximately 1987 and 1989), it is unlikely that PCBs are present in on-Site hydraulic equipment.

5.6 Asbestos-Containing Materials

Asbestos-containing materials (ACMs) are commonly found in building construction materials (particularly in older buildings). Asbestos use in building products declined in use starting in the 1970s, with the majority of products being phased out by circa 1990. Asbestos use in Canada was formally banned in December 2018.

Friable asbestos (friable is defined as a material that can be crumbled, powdered or pulverized by hand pressure) was widely used in sprayed fireproofing until 1973, and in decorative or finishing plasters, and thermal systems insulation until the early 1980s. Non-friable or manufactured asbestos products were widely used in building construction including in vinyl floor tiles, sheet flooring, ceiling tiles, pipe gaskets, roofing materials, asbestos cement boards, and numerous other products until circa 1990. A limited number of non-friable asbestos products remained in use until the end of 2018; examples include friction materials, gaskets, cement pipes, sealants, adhesives and caulking.

Given the years of construction of the Site Buildings (approximately 1987 and 1989), there is a potential for ACMs to be present in the Site Buildings. Pinchin did not conduct an asbestos survey as part of this Phase I ESA, nor was any destructive or intrusive sampling or inspection conducted as part of this Phase I ESA.



The Site Representative advised Pinchin that no asbestos surveys have been previously conducted at the Site, and that an Asbestos Management Program (AMP) has not been developed for or implemented at the Site.

Prior to any renovation or demolition activities, a designated substance (including asbestos) survey would be required.

5.7 Lead-Containing Paints

Lead was commonly used as an additive in paints with no restricted level up until the mid-1970s. This included architectural paints used on interior and exterior surfaces, primers and coatings for anti-corrosive purposes, consumer paints, and paint on furniture and other household items. Beginning in 1976, the federal government limited the amount of lead in consumer paints to 5,000 parts per million (ppm) and steadily reduced the lead content, primarily in the interest of public safety. In 2005, the limit was reduced to 600 ppm and in 2010, the limit was further reduced to 90 ppm, however, there is no restriction on lead in paints used for anti-corrosion purposes (e.g., steel primers and exterior coatings) and road and line markings. In June 2016, these exemptions were removed and as of this date, any paint sold should not contain more than 90 ppm, even if sold for anti-corrosion purposes.

Pinchin did not conduct an assessment of lead in painted surfaces as part of this Phase I ESA, and the Site Representative advised Pinchin that no surveys have been previously conducted at the Site. Prior to any demolition or renovation activities, a designated substance (including lead) survey would be required. During Pinchin's Site reconnaissance, painted surfaces (where observed) were in good condition (i.e., no peeling or flaking).

5.8 Ozone-Depleting Substances

The bulk storage of ozone-depleting substances (ODSs) was not observed. The Site Representative reported that the bulk storage of ODSs has not been carried out at the Site.

Rooftop HVAC units and air-conditioning units, as well as residential refrigeration units, were observed within the Site Buildings. These units may include refrigerants, such as R22 or R12, that are noted within the phase-out schedules for elimination in both Provincial and Federal regulations. No other sources of ODSs were observed at the time of the Site reconnaissance.

5.9 Radon

Radon is a naturally occurring radioactive gas formed by the breakdown of uranium in soil, rocks and even groundwater. Radon is invisible, odourless and colourless and as such, cannot be detected by humans. Radon escapes from the ground and mixes with outdoor air forming concentrations that are too low to be of concern; however, if radon enters a building the concentrations can increase to higher levels.



Health Canada has developed guidelines for acceptable levels of radon in dwellings and public buildings and has indicated that radon levels should not exceed 200 Becquerels per cubic metre (Bq/m³). Testing for radon in the Site Buildings was beyond the scope of this Phase I ESA. The Site Representative reported that no radon surveys have been carried out at the Site.

5.10 Mould or Microbial Contamination

The presence of mould or other microbiological contamination in buildings has become a concern to building tenants and owners due to potential health effects on occupants and users. Provincial Ministries of Labour have recently issued guidelines on enforced regulations to protect the health of construction workers who are exposed to mould in the course of building renovation. The presence of water leaks or high humidity can cause the growth or amplification of mould within building environments.

A comprehensive inspection for mould, which would require intrusive testing, was not performed as part of this Phase I ESA. Suspect mould growth associated with water damaged-ceiling tiles was observed on ceiling tiles in bathrooms of Unit 18 occupied by Stonehouse Granite. The Site Representative advised Pinchin that he was not aware of the source of the water damage. The extent of the suspect mould growth within wall/ceiling cavities was not assessed as part of this Phase I ESA. In order to further assess the potential presence of suspect mould growth, a mould survey would be required. Consideration should be given to assessing and repairing the sources of the various leaks.

5.11 Air Emissions

Topic	Findings
Washroom Vents	Washrooms are vented through roof stacks of the Site Buildings.
Kitchen Vents	None observed and none reported by the Site Representative.
Heating/Cooling	Natural gas-fired rooftop HVAC units are vented directly to the atmosphere. Natural gas-fired suspended unit heaters and natural gas-fired ceiling-mounted radiant heaters are vented through roof stacks.
Emergency Generators	None observed and none reported by the Site Representative.
Process Vents	A fume hood, exhausted through the wall, was observed in Unit 9 of Site Building B. Process vents associated with dust collectors were observed in Units 11, 13 and 15, within Site Building B. Multiple ventilation systems for air circulation were observed throughout the shop area of Units 10A and 11, within Site Building B and are associated with the paint spray booth.
Odours	No strong, pungent or noxious odours were identified.



Topic	Findings
Permits / Approvals	The Site Representative advised Pinchin that there are no known permits/ approvals for the Site, as related to air emissions or discharges.

5.12 Staining and Stressed Vegetation

Pinchin notes that the ground surface was partially wet at the time of the Site reconnaissance and therefore, a thorough assessment for staining/stressed vegetation could not be completed at the time of the Site reconnaissance.

Evidence of recent and historical oil staining/spills was observed in the following areas of the Site:

- Evidence of sheen was observed in pooled water in the wooden berm surrounding the pad-mounted oil-cooled transformer located northwest of Site Building C. As previously discussed in Sections 4.2 and 5.5, a spill of 40-L of non-PCB transformer oil occurred in August 2023 which was reportedly cleaned up. The source of the sheen is unknown. It is Pinchin's opinion that this spill occurrence in 2023 at the Site has a low risk of potential environmental concern. While residual contamination may remain, given the information presented in Section 4.2, the time elapsed since the discharge and/or that residential impacts (if present) would be the responsibility of Oakville Hydro, residual contamination (if present) would not be considered a material risk that warrants further investigation.
- Staining and sheen was observed on the asphalt surface beneath and in the vicinity of the exterior ASTs located adjacent to the northeast elevation of Unit 18 in Site Building B. Pinchin notes that due to storage of tires and equipment in this area, the extent of staining could not be assessed; however, it was approximately 1 m² in aerial extent. The asphalt surface appeared to be in fair condition with minor cracking. Pinchin's opinion that the observed staining does not represent a significant environmental concern; however, housekeeping practices should be improved to minimize future spills and/or leaks; and
- Minor evidence of battery acid spills (less than 0.5 m²) was observed on the concrete floor of Unit 3 of Site Building A. The concrete floor appeared to be in good condition (i.e., no cracks or pitting). It is Pinchin's opinion that the observed staining is not considered a potential issue of environmental concern.



5.13 Non-Hazardous Wastes

Topic	Findings
Non-hazardous Wastes	<p>Domestic refuse was deposited within metal bins on the Site exterior and removed for off-Site disposal on various regular scheduled pickups by various external licensed waste haulers or were removed for off-Site disposal on a weekly basis via curbside pickup provided by the Town of Oakville.</p> <p>Solid granite wastes (e.g., end/cut pieces, solid matter from pit, etc.) generated by Stonehouse Granite within Units 20 and 21 in Site Building B were stored within a metal bin located adjacent to the northeast elevation of Site Building B and removed for off-Site disposal on an as-needed basis by an external licensed waste hauler.</p>
Recyclables	<p>Recyclables (i.e., cans, bottles, newsprint, plastics, and cardboard) were stored within metal bins on the Site exterior and removed to an off-Site recycling facility on various regular scheduled pickups by various external licensed waste haulers or were removed for off-Site disposal on a weekly basis via curbside pickup provided by the Town of Oakville.</p> <p>Scrap metal generated in Units 9 and 10 Site Building B was stored within a metal bin located adjacent to the northeast elevation of Site Building B and removed to an off-Site recycling facility on an as-needed basis by an external licensed waste hauler.</p>

6.0 ACTIVITIES ON ADJACENT PROPERTIES

The Site is located in an urban area that consists of commercial, community and industrial land uses. A description of the adjacent properties is summarized in the following table, based on Pinchin's observations from the Site and publicly accessible locations:

Topic	Northeast	Northwest	Southeast	Southwest
Operation or Activity	The Bronte GO Station beyond 200 m of the Site.	Wyecroft Road followed by shipping crate storage at 2171 Wyecroft Road, and Bunge (2190 South Service Road West).	Vacant land followed by a rail line.	Kencro Chemicals (2192 Wyecroft Road) and New West Gypsum Recycling Facility (2182 Wyecroft Road) followed by a multi-tenant light industrial building (2212 Wyecroft Road).
Direction with Respect to Inferred Groundwater Flow	Transgradient.	Upgradient.	Downgradient.	Transgradient.
Visible Emissions	None observed.	None observed.	None observed.	None observed.



Topic	Northeast	Northwest	Southeast	Southwest
Visible Outdoor Storage of Hazardous Materials	None observed.	None observed.	None observed.	Bulk chemical storage (i.e., totes, drums, etc.) observed at 2192 Wyecroft Road (Kencro Chemicals).

Bulk chemical storage (i.e., totes, drums, pails, etc.) was observed to be stored along the northeast side of the property, located at 2192 Wyecroft Road, occupied by Kencro Chemicals. Chemicals observed included sulphuric acid, hydrochloric acid, sodium hydroxide solution, etc. Pinchin notes that the ground surface was partially wet at the time of Site reconnaissance, therefore, a thorough assessment of staining on the asphalt surface could not be completed. Pinchin notes that during the 2020 Site reconnaissance, no exterior storage was observed at this property. Pinchin notes that based on the presence of a paved sealed surface beneath the chemical storage areas, the short duration of chemical storage (less than 4 years), as well as, the no evidence or reports of historical or current spills (refer to Section 4.4), as well as the inferred low hydraulic conductivity of the subsurface soil, is Pinchin’s opinion that the chemical storage at this property is unlikely to result in potential subsurface impacts at the Site.

7.0 FINDINGS AND RECOMMENDATIONS

The results of the Phase I ESA did not identify any potential issues of environmental concern that would represent a material liability for the continued commercial or industrial use of the Site. As such, no subsurface investigation work (Phase II ESA) is recommended at this time.

Pinchin notes that an occurrence report dated September 22, 2002, indicated that an unknown quantity of transformer oil leaked onto a gravel-bottom vault. Subsequently, on August 25, 2023, a motor vehicle accident resulted in striking the transformer and approximately 40 L of non-polychlorinated biphenyl oil spilled into the spill containment surrounding the transformer. While residual contamination may remain in the vicinity of the transformer, given the information presented in the occurrence report, considering the time that has elapsed since the discharge and/or that residual impacts (if present) would likely be the responsibility of Oakville Hydro, any residual contamination (if present) in the vicinity of the transformer would not represent a material liability for the continued commercial or industrial use of the Site.

Given the years of construction of the Site Buildings (circa 1987 and 1989), there is a potential for ACMs to be present in the Site Buildings. Pinchin did not conduct an asbestos survey, nor was any sampling or inspection for asbestos conducted as part of this Phase I ESA. The Site Representative advised Pinchin that no asbestos surveys have been previously conducted at the Site, and that an AMP has not been developed for or implemented at the Site.



8.0 TERMS AND LIMITATIONS

This Phase I ESA was performed in order to identify potential issues of environmental concern associated with the Site located at 2172 Wyecroft Road, Oakville, Ontario, at the time of the Site reconnaissance.

This Phase I ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. The scope of work completed by Pinchin, as part of this Phase I ESA, is not sufficient (in and of itself) to meet the requirements for the submission of an RSC in accordance with Ontario Regulation 153/04 (as amended). If an RSC is an intended end product of work conducted at the Site, further consultation and/or work will be required.

This report was prepared for the exclusive use of Northbridge Capital Inc. (Client), subject to the terms, conditions and limitations contained within the duly authorized proposal for this project. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted.

If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed. Furthermore, this report should not be construed as legal advice. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Site, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Pinchin accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or contained in reports that were reviewed. The scope of work for this Phase I ESA did not include an intrusive investigation for designated substances (i.e., asbestos, mould, etc.) and, therefore, these materials may be present in concealed areas.

Pinchin makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.



The CSA document entitled "*Phase I Environmental Site Assessment, CSA Standard Z768-01*" dated November 2001 (reaffirmed 2022), does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable Federal, Provincial or Municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase I ESA.



9.0 REFERENCES

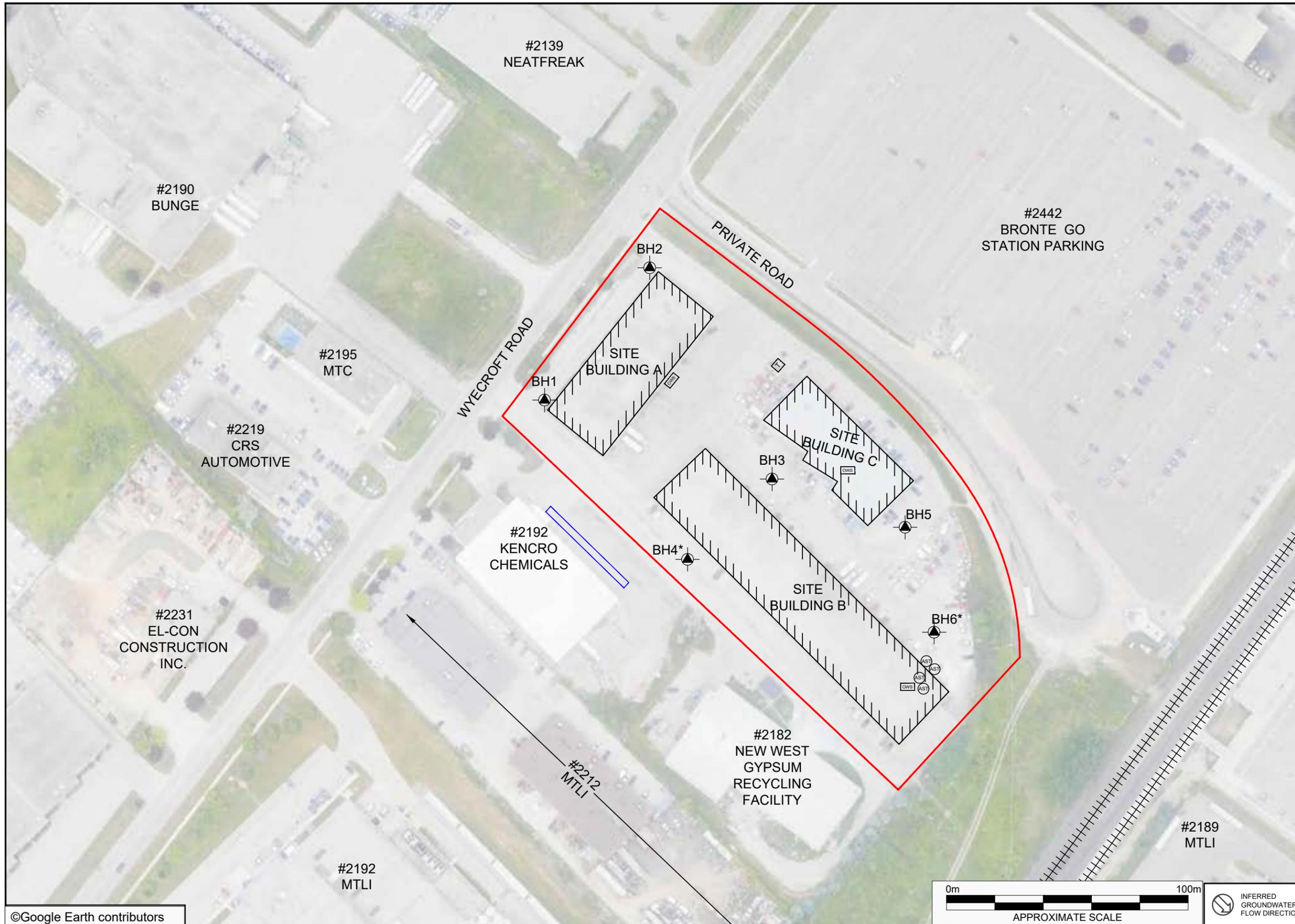
The following documents, persons or organizations provided information used in this report:

1. Building Operator [Site Representative].
2. ERIS report entitled “2172 Wyecroft Road, Oakville, Ontario”, dated April 5, 2024 (ERIS Project # 240240300684).
3. Opta Information Intelligence “2172 Wyecroft Road, Oakville, Ontario”, and dated May30, 2018 (Opta Order ID: 49407).
4. The Atlas of Canada – Surficial Materials:
<http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1>
5. The Atlas of Canada – Bedrock Geology:
<http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12>.
6. Toporama – Topographic Maps: <http://atlas.gc.ca/site/english/maps/topo/map>.
7. Canadian Centre for Occupational Health & Safety:
http://www.ccohs.ca/oshanswers/phys_agents/radon.html.
8. Canadian Standards Association (CSA) Standard. *CSA Z768-01, Phase I Environmental Site Assessment*, Canadian Standards Association International, November 2001, reaffirmed in 2022.
9. Toronto Reference Library.
10. Technical Standards & Safety Authority.
11. Ministry of the Environment, Conservation and Parks.
12. MECP Brownfields Environmental Site Registry.
13. Google Earth™.
14. Health Canada. “*Cross-Canada Survey of Radon Concentrations in Homes – Final Report*”, dated March 2012.
15. “*Phase I Environmental Site Assessment, 2172 Wyecroft Road, Oakville, Ontario*”, prepared by Pinchin, prepared for NBIM 2172 Wyecroft LP and dated July 19, 2021.
16. “*Preliminary Geotechnical Investigation and Hydrogeological Assessment – Proposed Mid to High-Rise Development, 2172 Wyecroft Road, Oakville, Ontario*”, prepared by Pinchin, prepared for the Client and dated April 13, 2022.

FIGURES



PROJECT NAME:		PHASE I ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME:		NORTHBRIDGE CAPITAL INC.			
PROJECT LOCATION:		2172 WYECROFT ROAD, OAKVILLE, ONTARIO			
FIGURE NAME:		KEY MAP			FIGURE NUMBER
PROJECT NUMBER:	SCALE:	DRAWN BY:	REVIEWED BY:	DATE:	1
339515.000	1:45,000	KM	CW	MAY 2024	



LEGEND

- SITE BOUNDARY
- SITE BUILDING
- MTC MULTI-TENANT COMMERCIAL
- MTLI MULTI-TENANT LIGHT INDUSTRIAL
- OWS OIL/WATER SEPARATOR
- AST ABOVEGROUND STORAGE TANK
- T PAD MOUNTED TRANSFORMER
- EXTERIOR CHEMICAL STORAGE
- ++++ RAILWAY LINE
- MONITORING WELL (PINCHIN, 2022)
- * WELL NOT OBSERVED

LEGEND IS COLOUR DEPENDENT.
NON-COLOUR COPIES MAY ALTER
INTERPRETATION.



PROJECT NAME:
**PHASE I ENVIRONMENTAL
SITE ASSESSMENT**

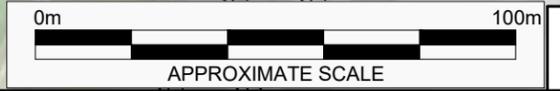
CLIENT NAME:
NORTHBRIDGE CAPITAL INC.

PROJECT LOCATION:
**2172 WYECROFT ROAD,
OAKVILLE, ONTARIO**

FIGURE NAME:
**SITE AND SURROUNDING
LAND USE PLAN**

PROJECT NUMBER: 339515.000	SCALE: AS SHOWN
--------------------------------------	---------------------------

DRAWN BY: KM	REVIEWED BY: CW
DATE: MAY 2024	FIGURE NUMBER: 2



APPENDIX I
Opta Response



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Catherine

Site Address:

2172 Wycroft Rd Oakville ON

Project No:

20180524031

Opta Order ID:

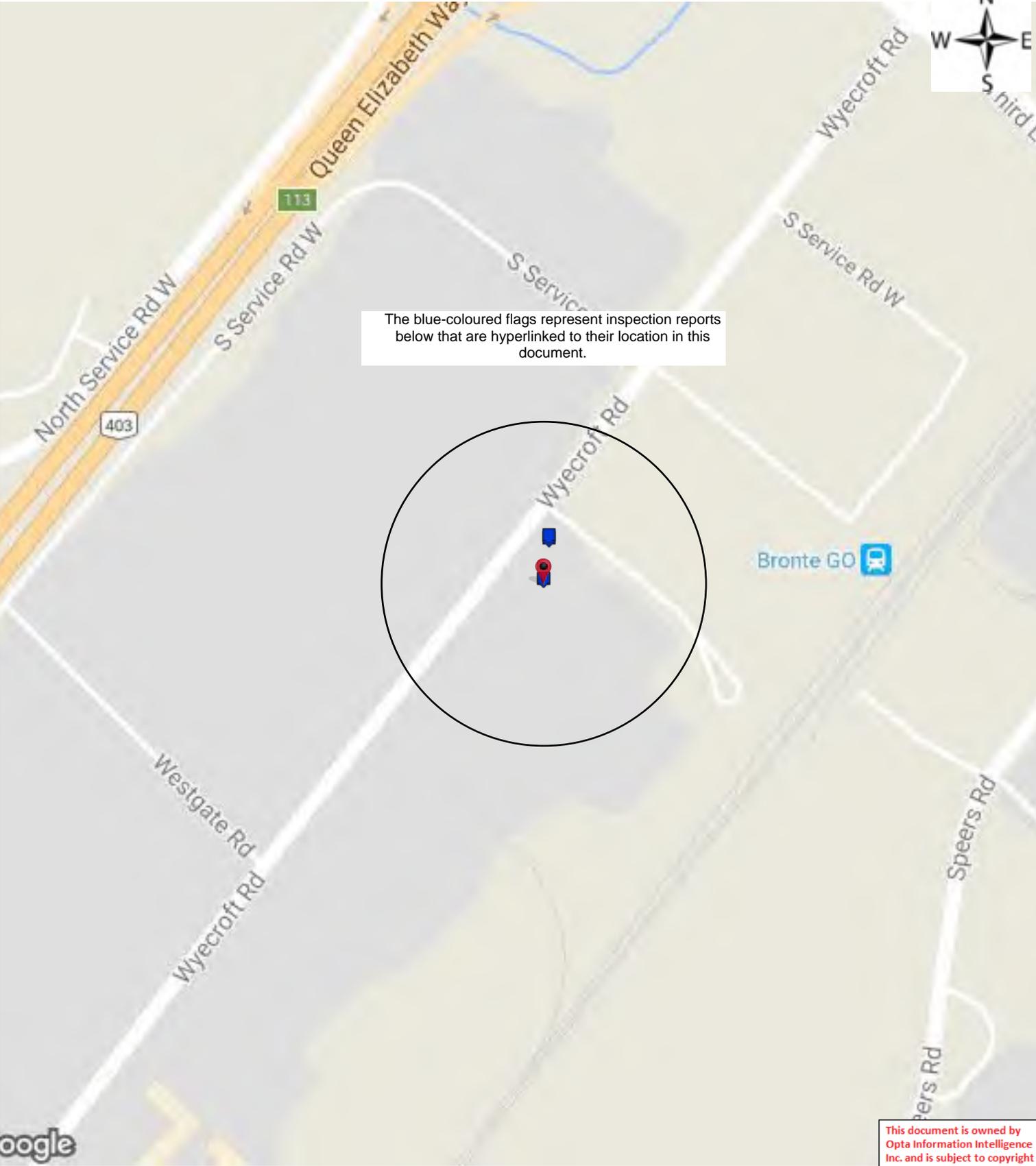
49407

Requested by:

Eleanor Goolab
Eris

Date Completed:

5/30/2018 8:36:55 AM



The blue-coloured flags represent inspection reports below that are hyperlinked to their location in this document.

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The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.



175 Commerce Valley Drive W
Markham, Ontario
L3T 7Z3

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F: 905.882.6300

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Report Index

Requested by:

Eleanor Goolab

Date Completed: 05/30/2018 08:36:55



OPTA INFORMATION INTELLIGENCE

Page Report Title

- 5 (1998) Multirisk Report - 1998 HYDRATECH MACHINE AND ENGINEERING LTD 2172 WYECROFT RD OAKVILLE ON L6L 6R1 Reference No: 11309633 (distance = 78 metres*)
- 17 (1995) Garage Auto Body Shop Report - 1995 Auto Pro Collision Restoration Unit 23 2172 Wycroft Rd Oakville ON L6L6R1 (distance = 1 metres*)
- 28 (2012) Risk basic survey Report - 2012 River Drive Manufacturing 2172 Wycroft Rd Oakville ON L6L6R1 (distance = 1 metres*)
- 44 (1988) MULTIPAK INSPECTION SERVICES Report - 1988 A.J. EXOTIC 2172 Wycroft Road Oakville ON a (distance = 83 metres*)





AIS Ref No.: 11309633

1998

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Ontario Branch
Confidential Report

MULTIRISK SURVEY

Insured: HYDRATECH MACHINE AND ENGINEERING LTD

Location Surveyed: 2172 WYECROFT RD
OAKVILLE H P A, ONTARIO
L6L 5V6

Person Contacted: Terry Uher
Telephone Number: (905) 827-6220

Policy Number: 3401038
AIS Reference: 11309633

Surveyed by: Ian Morris
Date of Survey: 1998.08.25

Committed to Service Excellence

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AIS Ref No.: 11309633

1998

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NOTE: The sole purpose of this report is to provide insurance pricing and underwriting information about the particular insured and location named. Only the person requesting this survey will receive a copy of the report, and IAO asks that it be kept strictly confidential. This report does not guarantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations. Tests of fire and other protection equipment have not been conducted or witnessed during this survey.

IAO reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from a survey of the premises and/or from data supplied by or on behalf of the Purchaser. IAO does not purport to list all hazards. While changes and modifications, referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO assumes no responsibility for management and control of these activities. IAO will not be responsible to the Purchaser for any loss or damages, whether consequential or other, however caused, incurred or suffered, as a result of the services being provided.

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Page: 1

HYDRATECH MACHINE AND ENGINEERING LTD
2172 RD WYECROFT; OAKVILLE H P A, ONTARIO

M U L T I R I S K - F I R E , L I A B I L I T Y A N D
B A S I C C R I M E

OCCUPANCY:

The insured is a tenant at this location. They have been in operation since 1982 and at this location for 11 year(s). They occupy 465 sq. m and are not the major occupant, having 6 full time and 2 part time employees. The premises are in good condition. The insured is interested in loss prevention, however there have not been any losses during the last 3 years.

* Occupancy Description (Insured / major tenant if insured is non-occupant)

This space is occupied by a machine shop with offices at the front an an open shop area to the rear. The shop contains a number of lathes, drill presses, milling machines, surface grinders and a radial arm drill. There are hydraulic presses and an oxy\acetylene kit present and an electric forklift is in use.

The equipment appears to be safely arranged, with good aisle space, and housekeeping was good at the time of inspection with metal drums used for off cuts and metal shavings. There were no spare bottles of compressed gas.

* Other Classes of Occupants

This commercial plaza has various tenants, most of which are allied to the machine shop or tool and die occupancies.

* Undersirable Features

Wooden crates in close proximity to rear exterior wall.
No vehicular impact protection for front exterior wall.

It is recommended that this location be resurveyed in 1 year(s).

BUILDING:

- * Built - 1987 Height: Storey(s) (excluding basement) - 1
- * There are no additions.
- * There are no renovations.
- * Building condition - Good

* Area: Ground Floor - 2311 sq. m Total (including basement) - 2311 sq. m

BASIC CONSTRUCTION:

- * Walls - 100% Masonry - Concrete blocks

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Page: 2

HYDRATECH MACHINE AND ENGINEERING LTD
2172 RD WYECROFT; OAKVILLE H P A, ONTARIO

- * Floors - (excluding basement) 100% Concrete
- * Roof - 100% - Steel Deck Class II
 - Surface material(s) - Tar and gravel
 - Original roof.

INTERIOR FINISH:

- * Walls - 10% non-combustible
 - 90% open
- * Ceilings - 10% non-combustible
 - 90% open

BASEMENTS: None

VERTICAL OPENINGS: None

MEZZANINE: None

OUTBUILDINGS: None

HEATING:

- * Suspended Unit Heaters - 90% - Natural gas
 - Original installation.
 - Installation appears safe
- * Roof Mounted Units - 10% - Natural gas
 - Original installation.
 - Installation appears safe
- * Fuel Tanks/Supply:
 - Supply - UG Natural Gas Connection
- * Chimneys:
 - Type B Gas Vent, ULC Labelled - Standard

ELECTRICAL:

- * Condition - Good and appeared safe at the time of the survey.
- * Wiring - Conduit, BX
- * Overcurrent protection - Circuit Breakers.
- * Electrical system - Original installation.

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PLUMBING:

- * Condition - Good at the time of the survey.
- * Piping is Copper
- * Plumbing - Original installation.

EXPOSURES: (within 15m of the risk):

- * LEFT: TO TENANT
 - Construction - Masonry / Non-combustible.
 - Occupancy - Metal Worker(s).
 - Distance - 0 m Height - 1 storeys
 - Protection - Automatic Sprinklers Grading - Moderate
- * RIGHT: TO TENANT
 - Construction - Masonry / Non-combustible.
 - Occupancy - Metal Worker(s).
 - Distance - 0 m Height - 1 storeys
 - Protection - Automatic Sprinklers Grading - Moderate
- * FRONT: OPEN
- * REAR: OPEN

MUNICIPAL PROTECTION:

- * The FUS Public Fire Protection Classification is 5
- * Responding (career) fire department Oakville
- * Distance from risk Less than 2.5 km
- * Access via Paved roads. Year-round.
- * The building itself is easily accessible to the fire department.
- * Two hydrants within 155m (standard)

PRIVATE PROTECTION at this location includes the following:

- * Standard extinguishers; Automatic sprinkler (The sprinkler system was neither tested nor evaluated during this survey, a sprinkler survey is available upon request)





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M U L T I R I S K - L I A B I L I T Y

OCCUPANCY - GENERAL INFORMATION

- * Neighbourhood is predominantly industrial, commercial
- * Insured - tenant Area occupied - 465 sq. m
- * 10% accessible to public. Public access is considered light
- * Gross revenue - could not be determined at the time of the survey

PREMISES information at the time of this survey

- * The following appeared to be SATISFACTORY:

Floor surfaces & coverings; Wall & ceilings; Interior Lighting; Exterior
Lighting; Interior Housekeeping; Exterior Housekeeping; Washrooms;
Sidewalks, Yards & Parking Lots; Snow & ice removal; Signs & Awnings;
Roof attachments; Fire exits

- * Elevating devices in operation - none



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M U L T I R I S K - E X P A N D E D C R I M E

BUSINESS:

The insured operates a machine shop at this location, with Normal business hours 7.00am to 6.00pm, 6 days a week. The present inventory value is approximately \$13,000.

- * Inventory taken - annual count
- * Typical Stock - flats and rounds of steel
- * Target Stock - None noted at time of survey

- * There is a low smash and grab exposure at this location

NEIGHBOURHOOD:

- * Predominantly industrial / commercial
- * Stable
- * Best described as having a low crime rate.

THERE IS NO SECURITY ALARM SYSTEM

GENERAL PROTECTION at the time of this survey:

- * The following appeared to be SATISFACTORY:

Exterior Lighting, Interior Lighting, Roof Accessability, Police Patrols

- * Guard Service - None

DOOR DETAILS:

- * Front - 1
 - Construction - Glass without Bars with no panels
 - Type - Person
 - Equipped with Single Cylinder Dead Bolt
 - Not wired to alarm system

- * Rear - 2
 - Construction - Metal with no panels
 - Type - Person
 - Equipped with Single Cylinder Dead Bolt, Spring Latch
 - Not wired to alarm system





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- * Rear - 2
 - Construction - Metal with no panels
 - Type - Bay
 - Equipped with Slide Bolt, Inside Padlock
 - Not wired to alarm system

WINDOW DETAILS:

- * Front - 4
 - Type - Fixed - Plain glass
 - Burglary screens - No
 - Burglary Bars - No
 - Windows not wired to alarm system

MONEY ON HAND:

- * Currency - Ave \$50 - Max \$50 - Overnight \$50
- * Cheques - Ave \$11,000 - Max \$20,000 - Overnight \$0

CHEQUES:

- * Cashed - No

DEPOSITS:

- * Frequency - Daily
- * Deposits made during daytime Hours vary
- * Distance is 2 km No staff accompany

SAFE: There is no safe on the premises.





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M U L T I R I S K - A L L R I S K

EARTHQUAKE: Zone 0 History of earthquakes - No

FLOOD:

- * Nearest body of water - None noted (within 1 kilometer) at the time of the survey
 - * Distance from risk - could not be determined at the time of the survey.
 - * Risk is not located on a flood plain
 - * There is no history of flooding
 - * No evidence of water damage
-

WATER DAMAGE:

- * Plumbing - Copper
 - * Evidence of corrosion - None
 - * Building is sprinklered
- * At time of survey, the following appeared to be SATISFACTORY:
- Stock susceptibility to water damage
 - Adequacy of sealing of Window/Skylight openings
 - Unusual damage exposure from air conditioning equipment
 - Adequacy of Roof covering material
- * Most recent roof repair date - could not be determined
- * Water damage protection - Skids, Shelving
- * History of water damage - None
- * Evidence of water damage - None
-

COLLAPSE:

- * No items which may lead to collapse were found.
 - * History of collapse - None
-

SEWER BACK-UP:

- * History of sewer back-up - None
 - * Protection devices in place - None
-



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VERIFICATION - WATER DAMAGE, FLOOD, SEWER BACKUP, INFORMATION:

- * Confirmed by Terry Uher
- * Years knowledge of risk - 11

ADDITIONAL PERILS:

- * Lightning protection - Yes
- * Risk is not located within 5 km of an airport
- * Risk is not located beneath a flight path
- * Yard is not fenced
- * Yard/Exterior of building lit
 - wall mounted light on rear wall.
- * Risk is not located in high wind/hail area
- * No visible malicious damage/vandalism at risk
- * No signs of vandalism within surrounding vicinity
- * Risk is not subject to vehicular impact



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M U L T I R I S K
R E M A R K S / R E C O M M E N D A T I O N S

REMARKS:

- * Fire, Liability & Basic Crime - This sprinklered risk is located south of the QEW, west of Third Line in Oakville. The building appears to receive regular care and maintenance from the landlord and the interior is in a good state of repair for the occupancy. The contact was friendly and appeared interested in loss prevention. There is no claims history, according to the contact, in the past decade. Wooden crates are discarded close to the rear exterior wall and represent a fire\vandalism exposure (rec made). The front exterior wall is unprotected from vehicular impact and this is a regular parking area (rec made).
- * Expanded Crime - This occupancy is not deemed a target for career criminals, therefore the physical security appears appropriate. Cheque handling procedures appear safe and no currency is left on the premises overnight.
- * All Risk - There were no unusual All Risk features or deficiencies noted on this inspection.





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RECOMMENDATIONS:

- * 98-1 Fire, Liability & Basic Crime - All combustible wooden debris now located in close proximity to the rear exterior wall should be safely disposed of, or moved at least 2 m away from the wall.
- * 98-2 Fire, Liability & Basic Crime - Concrete curbs should be placed so as to protect the front exterior wall from vehicular impact.





Garage Auto Body Shop Report - 1995 Auto Pro Collision Restoration Unit 23 2172 Wycroft Rd Oakville ON L6L6R1





GARAGE / AUTO BODY SHOP

Original Survey
 Follow-up Visit

CONFIDENTIAL

NOTE: The sole purpose of this report is to provide insurance pricing and underwriting information about the particular insured and location named below. Only the person requesting this survey will receive a copy of the report, and IAO / CRRS asks that it be kept strictly confidential. This report does not guarantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations. Tests of fire protection equipment have not been conducted or witnessed during this inspection.

Insured: AUTO PRO COLLISION & RESTORATION Insurer: Dominion of Canada General Ins. Co
 Location Surveyed: 2172 Wyecroft Road (Unit # 23 Policy / Reference #: CCP 8310454
Oakville, Ontario Surveyed By: P. C. Tomlinson
 Postal Code: L6L 5V6 Date of Survey: September 20, 1995
 Person Contacted: Joe Horvart Telephone #: (905) 847 - 2400

OCCUPANCY

Insured is: Owner Owner / Occupant Tenant Other
 Area occupied: Total: 409 m². Shop 348 m².
 Description of occupancy: _____

Business Hours 8 AM to 5 PM 5 days / week
 Annual Revenue \$ 225,000.00 Payroll \$ 9,000.00 monthly

OPERATIONS

Type(s) of Vehicles Serviced: Cars and light duty trucks
 Number of Service Bays: 7
 Number of Staff: 3 Licensed 3 Unlicensed 0 Apprentices 0
 Number of Supervisors / Management per shift: 1 Licensed also: Yes No
 Are checklists followed on all work performed: Yes No
 Is all completed work checked prior to vehicle release: Yes No
 Number of customer vehicles on lot: 0 (average) Customers' vehicles always kept inside most of the
 Vehicle Sales Yes No How Many: _____ time.

RECORD KEEPING

Orderly Records Maintained: Yes No
 Types: Complaints Customer Files
 Work Performed Job Specifications
 Testing Done Other: Warranties
 Records Reviewed / Audited: Yes No Frequency _____
 Done By: Management
 Work Subcontracted Records: Yes No N/A
 Type of Subcontracted Work: Upholstery, glass replacement and body work when overbooked.

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IAO / CRRS reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from an inspection of the premises and/or from data supplied by or on behalf of the Purchaser. IAO / CRRS does not purport to list all hazards. While changes and modifications, referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO / CRRS assumes no responsibility for management and control of these activities. IAO / CRRS will not be responsible to the Purchaser for any losses or damages, whether consequential or other, however caused, incurred or suffered, as a result of the services being provided.

BUILDING

Year Built: 1987 Additions: None
Building Renovated: No Yes 19____ Stores: 1 Height: 5.7 m
Ground Floor Area 1,636 m². Total Area 1,636 m². Basement Yes No _____ m².
Building Condition: Good Fair Poor
Wall Construction: Non-Combustible _____ % Solid Masonry 100 %
Brick Veneer _____ % Wood Frame _____ %
Load Bearing: Yes No
Roof Type: Flat Sloped Peaked Other _____
Roof Construction: Wood Joist Concrete Steel Deck I II Other _____
Roof Covering: Tar & Gravel Metal Asphalt Shingles Other _____
Resurfaced: No Yes 19____
Floor Construction: Concrete 100 % Concrete on Metal Pan _____ %
Wood Joist _____ % Other _____ %
Vertical Openings: None Stairs Elevator Other: _____
Proper Protection Yes No Not Applicable
Horizontal Separation: Major Partition Construction: Not Applicable Frame
 Concrete Block Other: _____
Proper Opening Protection: Yes No Not Applicable
Combustible Concealed Spaces: Yes No
Proper Protection: Yes No Not Applicable

HEATING

Forced warm air: _____ % Electric Gas Oil Other _____
Suspended unit heaters: ^{Enclosed} pipe 80 % Electric Gas Oil Other _____
Portable heaters: _____ % Electric Gas Oil Other _____
Electric baseboard units: 20 %
Hot water/steam: _____ % Electric Gas Oil Other _____
Boiler Yes No Age and Make _____ N/A
Date of last boiler inspection _____
Other: _____ % Electric Gas Oil Other _____
Appliances enclosed in a non-combustible room: Yes No Not required
Combustible materials stored in the room: Yes No Not applicable
Fuel tanks: None Inside Outside above ground Outside below ground
Fill and vent piping outdoors: Yes No _____
Chimneys: Masonry ULC Factory built Unlabelled pre-fab Other N/A
 Standard Non-standard
Installation appears safe: Yes No
Installation replaced: No Yes 19____ %

ELECTRICAL

Type: Conduit BX Non-metallic Other _____
Overcurrent protection: Circuit breakers Type S fuses Other fuses
Condition: Good Fair Poor
Installation appears safe: Yes No
Installation replaced: No Yes 19____ %
Partial Changes / Extensions: No Yes _____

PLUMBING

Type: Copper Galvanized Plastic Other _____
Condition: Good Fair Poor Installation replaced: No Yes 19____ %
Remarks: _____

COMMON HAZARDS

Extent of Exposure
None / Slight / Moderate / Severe

Smoking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: <u>Posted and enforced</u>
Heating	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: <u>standard equipment</u>
Electrical Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: <u>in good condition</u>
Housekeeping	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: <u>good</u>

SPECIAL HAZARDS

Extent of Exposure
None / Slight / Moderate / Severe

Flammable Liquids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Hot Work	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Undercoating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Parts Wash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Fibreglassing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Other: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____

Description: Spray painting conducted in good booth. Flammable liquids limited to 22.7L - 27.2L of paints and thinners safely stored and dispensed from their original shipping containers.

Spray Finishing

No Yes

Product applied: Paint Glue Primer Other _____

Where applied: Booth Room Open Space _____

Room or booth: Standard Non-standard _____

Prefabricated (Binks, etc.) Metal Masonry Plasterboard

Other _____

Adequate clearance around Booth / Room: Yes No

Clear space kept clean and accessible: Yes No

Floor Construction: Concrete Steel Wood Other _____

Frequency of Use: High Medium Low

Work Done: Only in Area Intended Outside Area Intended

Equipment: Compressed Air Spray Gun Airless Spray Gun Electrostatic Dip Tank

Other _____

Ventilation Installation:

Suitable: Yes No _____

Filtering System: Dry Filters Dry Baffles Water Curtain Other _____

Filters well maintained and in place: Yes No _____

Motor

- Non-sparking & labelled: Yes No
- In the exhaust duct: Yes No
- Exposed to accumulation of combustible deposits: Yes No

Exhaust duct

- Suitable: Yes No
- Adequate clearance from combustible materials: Yes No

Electrical Installation:

Electrical equipment inside the spraying area: Standard Non-standard None

Electrical equipment outside the spraying area: Standard Non-standard None

Lighting labelled: Yes No

In good repair: Yes No Protection missing Protection not provided Equipment not airtight

Dryer Installation:

None

Location: In the booth or room Other area _____

Suitable location: Yes No

Dryers: Electric Gas Other _____

- Fixed Portable Direct heat Indirect heat

Spray Finishing (Cont'd.)

Flammable and Combustible Liquids:

Storage: Standard Non-standard
 Cabinets Room In the open
 In spray area Outside the spray area

Quantity - In the spray area: _____
- Outside the spray area: 22.7L - 27.2L kept in ordinary metal cabinets

Handling: Safe Unsafe _____
Use of labelled safety cans: Yes No
Bonding / Grounding practices followed: Yes No

Other Hazards:

Dirty rags stored in safety containers: Yes No
Smoking restricted: Yes No "No Smoking" signs posted: Yes No
Welding or cutting sufficiently removed from spraying area: Yes No Not applicable
Heating equipment sufficient distance from spraying area: Yes No
Spray area is highly congested: Yes No
Maintenance: Good Fair Poor

Type of Protection:

Automatic dry chemical system: None In the booth or spray room In the exhaust duct
Automatic sprinklers: None In the booth or spray room In the exhaust duct
Extinguishers - suitable: Yes No
- well located: Yes No

FIRE PROTECTION

Public

F.U.S. Protection Class: 5
Responding Fire Department: Oakville
 Full Time Volunteer Composite
Distance to Fire Department: 1 km Roads: Paved Unpaved
Accessible Year-round: Yes No
Hydrants: 2 within 155 m. _____ within 156 - 305 m. _____ over 305 m. None

Private

Are the following adequate?

Portable Extinguishers: Yes No
Security Guard Service: Yes No N/A
Standpipe / Inside Hose: Yes No N/A
Fire Detection System: Yes No N/A
Connected to: ULC Central Station ULC Monitoring Station
 Unlisted Service Local Only
 Fire / Police Department Other: _____
 Partial Full Premises
 Preaction Deluge

Automatic Sprinkler Protection: None

Wet Dry Preaction Deluge

Are sprinkler valves open: Yes No
Date system last inspected / serviced: No access to valve room. Information regarding maintenance

Name of contractor / service company: not available.

Connected to: ULC Central Station ULC Monitoring Station
 Unlisted Service Local Only
 Fire / Police Department Other: _____

Fixed Protection Systems:

Yes No Not Applicable

Describe Coverage: _____

System Type: Dry Chemical Carbon Dioxide
 Halon Other: _____

Serviced by: _____

Frequency: Semi-Annual Annual

Last Done: _____

STORAGE TANKS

Number of Pumps: N/A Gas _____ Full Service _____ Self-Serve _____
 Diesel _____ Full Service _____ Self-Serve _____
 Propane _____ Full Service _____ Self-Serve _____

Propane Dispensers Licensed: Yes No

All pumps/tanks protected by crash guards: Yes No Remarks: _____

Are level measurements taken: Yes No

Frequency: Daily Other _____ Records kept: Yes No

Is contact aware of who to contact in the event of a spill or emergency: Yes No

Is a non-combustible absorbent material available: Yes No If Yes, what: _____

Underground Tanks				<input checked="" type="checkbox"/> None
Age	Capacity (litres)	Contents	Construction	
1.				
2.				
3.				
4.				
5.				
6.				

Above Ground Tanks				<input checked="" type="checkbox"/> None
Age	Capacity (litres)	Contents	Construction	
1.				
2.				
3.				

ELECTRONIC EQUIPMENT

Specialized Diagnostic Equipment: Yes No

Source: Local United States Foreign

Approximate Value: \$ _____ Undetermined

Availability of Replacement: Yes No

Reciprocal Agreement for Temporary Use: Yes No

EDP: N/A

Main Frame Mini System PC Network PC Stand Alone

Is all equipment in one room: Yes No

Age: _____

Equipment is: Owned Leased

Basic Protection Satisfactory: Yes No N/A

Data properly backed-up and stored: Yes No

Equipment raised off the floor: Yes No Susceptible to water damage: Yes No

EXPOSURES

Shopping Mall: Yes No Strip Mall: Yes No

	Distance	Height	Construction	Occupancy	Opening in Facing Wall	
					Yes	No
Front	m.	Sto.	Open			
Rear	m.	Sto.	"			
Left	0 m.	1 Sto.	C.B.B.F.	Vacant unit		<input checked="" type="checkbox"/>
Right	0 m.	1 Sto.	C.B.B.F.	" "		<input checked="" type="checkbox"/>

(For shopping malls) Describe partition walls between insured and other tenants: Concrete block wall tight to the roof deck.

EXTENDED COVERAGE

Extent of Exposure
None / Slight / Moderate / Severe

Windstorm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Lightning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Building Impact	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Other: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____

WATER DAMAGE

Evidence of Corrosion: Yes No

Window & Skylight openings adequately sealed: Yes No

Damage Exposure from air conditioning equipment: Yes No N/A

Roof covering material adequate: Yes No Date of most recent repairs: _____ Undetermined

Inside and / or roof storage tank(s) or process equipment: Yes No

If yes, satisfactorily controlled: Yes No N/A

Use of: Skids Yes No Shelving Yes No

Floor Drains Yes No Covers over stock / equipment Yes No

History of Water Damage: Yes No Undetermined

FLOOD

Distance to nearest body of water: _____ None determined

Evidence of water damage: No Yes

Describe: _____

History of Flooding: Yes No Undetermined

SEWER BACK-UP

Any protection devices in place: No Yes

Describe: _____

History of Sewer Back-up: Yes No Undetermined

NOTE: For Water Damage, Flood and Sewer Back-up sections
 Historical Information confirmed by: Mr. Horvart
 Years Employed: 2 months

COLLAPSE

Heavy Snowbelt area: Yes No

Evident Water Ponding: Yes No

Unusual Roof Loading (ie. equipment): Yes No

Changes in Roof Elevation: Yes No

Evident Sagging: Yes No

Walls Floors Roof Porch / Awning

Earthquake Zone: 0

EARTHQUAKE

Earthquake Zone: 0 Any history in area: No Yes Describe: _____

BUSINESS INTERRUPTION

Provision in lease for expediting repair or replacement: Yes No N/A
 Secondary Power Supply: Yes No Automatic Transfer Switch: Yes No
 Replacement time for equipment: _____
 Is there a disaster recovery plan in place: Yes No Last reviewed / Up-dated: _____

CRIME

Neighbourhood

Appears to be: Residential Commercial Industrial Rural Isolated
 Stable Changing via: Expansion / Growth Renovation Deterioration
 Crime area: Low Moderate High

Security Alarm

In use: Yes Disconnected None
 Information confirmed by: Insured Alarm company Specify: _____
 Name of installer: Balk Security Date installed: July, 1995
 Type of response facility:
 ULC Central Station ULC Monitoring Station Unlisted Monitoring Service Local Only
 Name: _____
 Alarm System ULC Certificated: No Certificate #: _____ Expiry Date: _____
 If no, is equipment ULC Listed: Yes No
 Additional features: Monitored opening/closing Other: _____
 Are monitored systems also provided with local alarm capabilities: Yes No
 Coverage: Accessible Openings Space Protection Walls, floors, ceilings Safe
 Other: _____
 Devices: Infrared Detector Photoelectric Beam Ultrasonic Detector Microwave Detector
 Magnetic Contacts Conductive Foil Wire Lacing Glass Breakage Detector
 Other: _____
 System line security: Digital dialer Not determined
 Extent of protection: _____ Not determined
 Number of false alarms in past 12 months: 0
 Alarm system under suspension: Yes No Has alarm system been suspended in past 3 years: Yes No

Physical Protection

DOORS	How Many	CONSTRUCTION						KINDS OF LOCKS							Wired To Alarm System?			
		Wood	Metal	Metal Covered	Glass	Bars on Glass Doors	IF ANY PANEL Plain Glass Wired Glass	Single Cylinder Dead Lock	Double Cylinder Dead Lock	Spring Lock	Panic Bar	Slide Bolt	PADLOCK Inside Outside		Cross Bar	Yes	No	
Front	1				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	
Side																		
Rear	1		<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	
Overhead	1	<input checked="" type="checkbox"/>											<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
Roof																		
WINDOWS	How Many	TYPE OF WINDOW		BURGLARY SCREENS			BURGLARY BARS				Condition of Bars and Screens	Wired To Alarm System?						
		Fixed	Movable	Inside	Outside	Properly Secured	Inside	Outside	Spacing	Properly Secured		Yes	No					
Front	4	<input checked="" type="checkbox"/>													<input checked="" type="checkbox"/>			
Side																		
Rear	3		<input checked="" type="checkbox"/>													<input checked="" type="checkbox"/>		
Basement																		
Transoms																		
Skylight																		
Other Openings																		

General Protection

Effective exterior lighting: Yes No
 Premises fully fenced: Yes No
 Outdoor stock protected: Yes No N/A
 Regular police patrols: Yes No
 Security guard service: None For insured For building
 Effective interior lighting: Yes No
 Roof easily accessible: Yes No
 Target stock protected: Yes No N/A
 Insured located in indoor mall: Yes No

Remarks: _____

Money & Securities

Money on hand:
 Currency: Average: \$ _____ Maximum: \$ 100.00
 Cheques: Average: \$ 5,000.00 Maximum: \$ 20,000.00
 Are cheques cashed: No Yes; Payroll Government Other _____
 Cheques properly endorsed "for deposit": Yes No
 Bank deposits: Daily Other During: Daytime Night-time
 Distance travelled: 1 km. Hours of deposit vary: Yes No How many staff accompany: 0

Safe Yes No Drop Safe Yes No How often _____ Maximum \$ _____

Exterior dimensions: Height _____ cm. Width _____ cm. Depth _____ cm. Wall thickness _____ cm.
 Labelled by ULC: No Yes Label details: _____ Safe on wheels: Yes No
 Fixed in floor: No Yes Location: _____ Approx. age: _____ years
 Lock: Combination Key Number of employees with access: _____

Amount of money kept in safe:
 Currency: Daytime: \$ _____ Overnight: \$ _____
 Cheques: Daytime: \$ _____ Overnight: \$ _____

Safe alarmed: No Yes; Alarm company: _____
 Describe extent of protection: _____

Target Stock

Tobacco Products: No Yes Maximum Value: \$ _____
 Describe Lock-ups: _____
 Power Tools: No Yes Maximum Value: \$ _____
 Electronics: No Yes Maximum Value: \$ _____
 Other: No Yes Maximum Value: \$ _____
 Target Stock near display window: No Yes Describe: _____
 How often is inventory taken: Annually

PREMISES LIABILITY

	Extent of Exposure			Describe
	Slight	Moderate	Severe	
Slipping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No slip on trip and fall hazards
Trip and Fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Walking surfaces noted to be in good condition
Snow and Ice Removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Outside contractors provided by _____ -tion
Overhead Hazards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A landlord.
Obstructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"
Allurements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"
Stairs / Ramps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"
Parking Areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Traffic Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Waiting Room	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Customers Restricted from Work Areas:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Other Features and Remarks:	_____			

GENERAL REMARKS

The insured is located in an industrial plaza complex on the south side of Wyecroft Road in an industrial area of Oakville.

The building is in good condition and receives regular care and maintenance from the landlord on as required basis.

This risk is located in a fully sprinklered building, however neither the sprinkler system nor the water supply were tested or evaluated at the time of this survey. A copy of the most recent sprinkler report is available upon specific written request to I.A.O. Toronto (SR 35218)

The insured was co-operative during this survey, is responsible and appears interested in loss control. Housekeeping was very good for this type of occupancy.

The present security system is not monitored at this time (Rec. made).

The spray booth has been reconditioned by the previous occupant and it is in excellent condition and very clean.

The insured is the only occupant of this unit # 23.

RECOMMENDATIONS

95-1 The existing security system should be monitored by a U.L.C. listed monitoring station.

None made at this time.

Risk basic survey Report - 2012 River Drive Manufacturing 2172 Wycroft Rd Oakville ON L6L6R1



Risk Basic Survey Report

ACCEPTABLE WITH RECOMMENDATIONS

Loss Control Services

Company Name	RIVER DRIVE MANUFACTURING O/B AMATRIMARA INC
Location	SUITE 19 2172 WYECROFT RD OAKVILLE, ON L6L 6R1
Policy	COM800042926
Date of Survey	12/06/2012
Consultant	JULIA STEWART
Contact at Risk	Mike Klinck

SUMMARY

Construction Class	2	FUS Grade	3	Industry Code	3790-01
Sprinkler Protection	FULL	Hydrants < 150 m	YES	Fire Hall < 5 km	YES
Property/All Risk	Loss Exposure	LOW	Deficiencies	MINOR, SEE SECTION A	
Crime	Loss Exposure	LOW	Deficiencies	NONE	
Liability	Loss Exposure	LOW	Deficiencies	NONE	
Moral Hazard	NO				
Overall Assessment	ACCEPTABLE BUT RECS WOULD IMPROVE OVERALL RISK				
Requirements	NONE				
Recommendations	RISK IMPROVEMENT RECOMMENDATIONS				
Follow-up Plan	All portable fire extinguishers in your premises should be serviced.				
Additional Comments	REQUEST RESURVEY AS PER ORDERING GUIDELINES				
	None				

A. PROPERTY / ALL RISK

1. Occupancy

- a) Description The insured owns and operates an assist strap manufacturing company located at 2172 Wycroft Rd, Suite 19, Oakville, Ontario, L6L 6R1" for 2 years. The insured's unit is located in a 16 unit commercial building. The unit has an office space at the front of the unit and the shop at the rear of the unit. There is a mezzanine above the office area which is used for storage. The insured manufactures assist straps for commercial use in buses and trains. The insured distributes the product to Canada and the United States. The product is shipped by courier to the customer. There are 2 full-time and 3 part-time employees. The equipment used in the shop is an RF welding machine that molds the plastic together. The plastic used is PVC. In 2010 the insured installed new flooring; painted the walls and installed energy efficient lighting in the office.
- b) Hours of Operation 8 hours/day, 5 days/week c) Insured is TENANT
d) Years in Business 9 e) Years at Location 2
- f) Additional Details None
- g) Manufacturing Risk Process YES h) Are There U.S. Sales? YES
i) Percentage Of U.S. Sales Undetermined j) Value Of U.S. Sales Undetermined
- k) Is There A Quality Control Program In Place YES

2. Construction

- a) No. of Stories 1 Basement NO
- b) Year Built 2000 est. Addition/Updates YES Good Condition YES
c) Grade Area 4459 m²
Total Area 4459 m² Insured Area 279 m²
- d) Walls Concrete Block (100%)
e) Floors Slab on Grade (100%)
f) Roof Steel Deck (100%)
- g) Interior Finish MAINLY OPEN Unprotected Foam Insulation NO
h) Comb. Concealed spaces NO
i) Vertical Openings YES Properly Protected YES
j) Exposures to Building LIGHT Comb Stg < 8m to non-blank Wall NO
k) Tenant Separation Walls PARTIAL
l) Additional Details None

3. Fire Hazards

a) Smoking	RESTRICTED		
b) Housekeeping	GOOD	Programs in Place	ACCEPTABLE
c) Heating	YES	RADIANT, ELECTRIC BASEBOARDS	Arrangement Acceptable YES
Fuel	ELECTRICITY	Fuel Tanks	NO
Chimney Acceptable	NOT APPLICABLE	Wood Stove	NO
Portable Space Heaters	NO		
d) Electrical	YES	Wiring Type	CONDUIT
Over Current Protection	CB	Arrangement Acceptable	YES
e) Oil Rags	NO	Storage in	
f) Flam./Comb. Liquids	NO	g) Spray Painting	NO
h) Cutting/Welding	NO	i) Compressed Gases	NO
j) Commercial Cooking	NO	k) Other	None
l) Additional Details	Smoking in public places is prohibited by municipal and provincial legislation.		

4. Fire Protection

a) Fire Department	YES	b) Fire Hydrants < 150 m	YES
c) Fire Extinguishers	YES	d) Annual Maintenance	NO (REC. MADE)
e) Standpipe & Hose	NO	f) Fire Detection System	NO
g) Automatic Sprinklers	FULL		
% of Area Sprinklered	100		
Supervised	NOT DETERMINED		
h) Other	None		
i) Control Valves Open	YES	j) Annual Test And Service Tag	YES

5. Other Perils

a) Windstorm	NO	
b) Lightning	NO	
c) Collision	NO	
d) Riot & Vandalism	NO	
e) Signs of Water Damage	NO	Roof Leakage Piping Other Tenants Sewer Backup
f) Stock Stored on Floor	NO	
g) Signs of Settling, Collapse	NO	
h) History of Flooding	NO	
i) Additional Perils	None	

B. CRIME

1. General

- a) Target Commodities NO
- b) Burglary Safe NO (NOT REQUIRED) Lottery/Stamps - Daytime
Money - Daytime Lottery/Stamps - Overnight
Money - Overnight Safe Alarmed
of Staff with Safe Adequate
Access
- c) Deposits Made Daily with Varied Routes & Times YES
Cheques Endorsed for Deposit Only NOT APPLICABLE
- d) Cash Registers Limited to \$300 NOT APPLICABLE
- e) Burglar Alarm YES
Alarm Company Reliance
Type of Service LOCAL
ULC Certified NO (NOT REQUIRED)
- Line Security Level
- Protection Level
- Certificate No.
- Expiry Date
If not ULC Certified - Stated DIRECT WIRE
Line Security
- f) Protection Devices YES
Magnetic Contacts YES
Infrared Sensors YES
Certificate No. NO
Photoelectric Beam NO
Glass Breakage NO
Conductive Foil NO
Wire Lacing NO
Other Devices None
- g) Police Response NO
Suspended
- h) Is the Alarm Adequate YES
- i) Additional Details The insured does not keep money or safe on-site.

2. Physical Protection

- a) Deadbolts on all Ext. Doors YES
b) Overhead Doors Protected YES
c) Partition Walls Protected YES
d) Rear Openings Protected YES
e) Perimeter Properly Lit YES
f) Yard Storage Protected NOT APPLICABLE
- g) Additional Details None

3. Cargo Handling

- a) Shipping/Receiving Controls NOT APPLICABLE
b) Loaded Trailers Overnight NO
- Describe Commodities None
- Values in Yard Trailers 0
c) Load Security (Alarms, fence, etc) None
d) Distance Trailers to Bldg(s) 0
e) Additional Details None

C. LIABILITY

1. Premises Liability

Exposure	Unsafe Conditions	Details (comment only if, Yes)
a) Floor Surfaces/Coverings	NO	
b) Stock Arrangement/Aisles	NO	
c) Stairs, Ramps, Handrails	NO	
d) Emergency Egress	NO	
e) Sidewalks, Yards, Parking	NO	
f) Snow & Ice	NO	
g) General Housekeeping	NO	
h) Lighting	NO	
i) Signs/Awnings/Attachment	NO	
j) Other	None	

Public access is: **LOW**

(when public access to insured's area is high a/o frequency of bodily injury to third parties is foreseeable - eg. shopping malls, recreational occupancies, apartment buildings, grocery stores, etc. - expand on the following)

k) Housekeeping/Sweep Logs	YES		
l) Snow & Ice Clearing Logs	YES		
m) Incident Report In Use	YES		
n) Private Potable Water Supply	NOT APPLICABLE		
o) Additional Details	None		
p) Snow Clearing Program	YES	q) Salting And Sanding Program	YES
r) Responsibility Of	The building owner is responsible for the snow removal.		
s) Certificate Of Insurance	NO		

2. Liquor Liability

a) Alcohol Served	NOT APPLICABLE	b) Smart Serve Program
c) License Capacity		d) Expiry Date of License
e) Percentage Liquor Sales		
f) Additional Details	None	

3. Recreational Equipment

a) Swimming Pool Emergency Equipment	NOT APPLICABLE	Supervised Warning Signs
b) Whirlpool T° Limited	NOT APPLICABLE	c) Sauna Timers Provided
d) Playground Equipment	NOT APPLICABLE	Installation & Maintenance
e) Other Equipment/Activity	None	
f) Additional Details	None	

4. Contractors/Offsite Ops

a) Welding/Cutting/Brazing	NOT APPLICABLE	b) Bridge/Dam	NOT APPLICABLE
c) Demolition	NOT APPLICABLE	d) Excavation/Grading	NOT APPLICABLE
e) Moving	NOT APPLICABLE	f) Installation	NOT APPLICABLE
g) Blasting	NOT APPLICABLE	h) Servicing/Repairs	NOT APPLICABLE
i) Shoring/Caisson	NOT APPLICABLE	j) Other	None
l) Work Subcontracted Certificates of Liability	NOT APPLICABLE	m) Operations in U.S.	None
n) Additional Details	None		
o) List Of Key Equipment Provided?	NOT APPLICABLE		
p) List Of Key Equipment			
q) Security Measures	NOT APPLICABLE		

D. MORAL HAZARD

1. Business

a) Unprofitability / in Difficulty	No
b) Inventory - out of date - poor turnaround - or value too high	NO
c) Undesirable Clientele	No
d) Additional Details	None

2. Neighbourhood

a) Neighbourhood - undesirable - depressed - unstable - buildings - location - changing	NO
---	----

Comments

b) Signs of Vandalism/Arson	NO
c) Vacant buildings or High % of Vacancy	NO
d) Additional Details	None

3. Management

a) Attitude	ADEQUATE
b) Controls	YES
c) Additional Details	The insured is interested in risk management.

A3 HAZARDS SUPPLEMENT

A3-f) Flammable / Combustible Liquids

Acceptable Controls in Place : NOT APPLICABLE

- i) Describe (type and quantities)
- ii) - In open / limited to retail / one day supply
 - ULC listed flammable liquids cabinets
 - Standard Flammable liquids storage room
 - Bsmt stge limited to retail / < 5L in ULC can
- iii) - Dispensing Drums grounded and bonded
 - Self Closing valves on drums
 - ULC listed cans used
- iv) Smoking restricted where liquids stored
- v) Additional Details

A3-g) Spray Painting

Acceptable Controls in Place : NOT APPLICABLE

- i) Spray Area - Standard Spray Booth
 - Standard Spray room
 - Open with adequate clearances
 - 1h00 Fire Separation
 - 2h00 Fire Separation
 - Filters in place and clean
 - Mechanical ventilation with interlocks
 - Standard electrical in spray area
- ii) Fire Protection - Automatic Sprinklers
 - Fixed Extinguishing System
 - Heads protected from over spray
 - Semi-annual service on systems
 - Maintenance - Spray area clean
 - Over spray minimal
 - Lights properly sealed
- iv) Drying operations conducted
- v) Additional Details

A3-h) Cutting & Welding

Acceptable Controls in Place : NOT APPLICABLE

- i) Operation - Process Welding
 - Maintenance welding
 - Adequate precautions taken
- ii) Fuel Type Other:
- iii) Location - Non combustible room/area
 - Comb. & Flammable > 11m from operations
 - Non combustible shields used
 - Other:
- iv) Additional Details

A3-i) Cooking Facilities - # of areas:Acceptable Controls in Place : **NOT APPLICABLE**

- | | |
|---|--|
| i) Equipment - Fryers
- Stove, Grill (Griddle)

- Charcoal Pit

- Oven (including pizza)

- Other:
ii) Fuel - Type

- Automatic fuel shut off

iii) Standard
Ductwork/Canopy/Filters

ix) Additional Details | iv) Hoods and filters clean
v) 450mm clearance from combustibles
vi) Automatic extinguisher system
- Protects all cooking surfaces
- Extinguishing agent
vii) Qualified service contractor
- Last service date within 6 months
viii) Class K portable fire extinguisher |
|---|--|

A3-j) Compressed GasesAcceptable Controls in Place: **NOT APPLICABLE**

- | | |
|---|---------------------------------------|
| i) Describe (type and quantity)

ii) O2 & C2H2 - 6m apart

- caps provided
- cylinders secured

iv) Additional Details | iii) Excess propane cylinders outside |
|---|---------------------------------------|

A3-k) Other Special HazardsAcceptable Controls in Place **YES**

- i) Describe

Photographs



Front of building



Rear of building



Front



Rear



Office



Shop



Equipment



Electrical panel



Shop heating



Office heating



Extinguisher

MULTIPAK INSPECTION SERVICES Report - 1988 A.J. EXOTIC 2172 Wycroft Road Oakville ON a



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1988



MultiPak
INSPECTION SERVICES

BASIC UNDERWRITING SURVEY
CONFIDENTIAL

IAO Office: Hamilton
Date: Feb 16, 1988
Representative: M. Calabio
Survey No.: _____

NOTE: The sole purpose of this Survey Report including supplemental reports is to provide insurance pricing and underwriting information about the particular insured and location named below. Only the person requesting this survey will receive a copy of the report, and IAO asks that it be kept strictly confidential. This survey report does not guarantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations. Tests of Fire Protection equipment have not been conducted or witnessed during this inspection.

Insured Name: A. J. Exotic Extrusions Ltd.

Address: 2173 Wyckoff Road

Building Owner: Y N
(Lease Expires 1993)

City: Hamilton Province: Ontario Postal Code: L8L 5L6

Sole Occupant? Y N
(No. of Other Occupants: Five (5) Full Time)

NEIGHBOURHOOD: <input checked="" type="checkbox"/> URBAN _____ % RESIDENTIAL <input type="checkbox"/> SUBURBAN <u>20</u> % COMMERCIAL <input type="checkbox"/> RURAL <u>80</u> % INDUSTRIAL		APPEARS TO BE _____ STABLE <input checked="" type="checkbox"/> CHANGING VIA		STATISTICAL PLAN CODING BLDG. IND. <u>399</u> INSURED IND. <u>507</u> TERR. <u>91</u> CONST. <u>2</u> PROT. <u>8</u>	
		<input checked="" type="checkbox"/> EXPANSION/GROWTH <input type="checkbox"/> RENOVATION <input type="checkbox"/> DETERIORATION			

OCCUPANCY:
(Describe operations, special hazards and any unusual features)
 INSURED or MAJOR OCCUPANT AREA OCCUPIED 5574 SQ. M AS A PLASTIC EXTRUSION SHOP
employing four trades, involved in the process are 1) Lathe, milling machines, drill press, band saw, grinder, sizer which deburrs at (200° F), buffer, punch press, chip saw, vertical extruder which deburrs extruded from 275° F - 450° F, air intake, automatic balling saw, water control, @ corrugated rollers, and two water tanks.
 OTHER OCCUPANTS: sales & fabrication of machinery, machine shop, site vacatuaries, equipment sales, distributors & storage of machinery.

OPINION OF RISK: Excellent ; Good ; Average ; Poor (explain)

SUPPLEMENTAL REPORTS ATTACHED:

<input type="checkbox"/> Photos # _____	Additional Coverages	<input type="checkbox"/> Liability	<input type="checkbox"/> _____
<input type="checkbox"/> Data Processing	<input checked="" type="checkbox"/> All-Risk	<input type="checkbox"/> Glass	<input type="checkbox"/> _____
<input type="checkbox"/> Boeckh Appraisal	<input type="checkbox"/> Crime - Short	<input type="checkbox"/> Diagram	<input type="checkbox"/> _____
<input type="checkbox"/> Restaurant Cooking	<input type="checkbox"/> Crime - Extended		

NOTE: EXPLAIN CIRCLED ANSWERS

1. BUILDING:

Year built 1958 Additions _____
Building height (storeys) one
Exterior wall construction concrete block
Floor construction concrete on slab
Roof Const.: Support SJoist Deck cl. Th. Cover And-amb.
Area: Ground Floor 3400 Sq. M. Total 3400 Sq. M.
(incl. basement)

Vertical openings protected? Yes No None
Interior finish Walls & Ceilings None Non-Comb Other
Building condition satisfactory? Yes No
Pavement in building? Yes No
 Finished Unfinished Area _____ Sq. Metres

Any vacant areas? Yes No
vacant - 100 sq. ft. fire unit
to locked units

2. COMMON HAZARDS:

Heating type radiant gas coil units
Fuel Gas Electric Wood Coal LP Gas
 Oil Other: _____
Appears safely arranged? Yes No
Chimneys: Masonry ULC Factory Bld. Other
Electrical type: Conduit Box Non Met. Cable
 Other
Overcurrent protection: Ckt. brks. Fuses (Type S)
 Fuses (Other)
Appears safely arranged? Yes No

Are the following satisfactory?
Housekeeping Yes No
Maintenance Yes No
Trash removal Yes No
Smoking Control Yes No
Restaurant Cooking Yes No None
Flam./combust. liquids Yes No None noted
Welding/hot work Yes No None noted
Other special hazards Yes No None noted

3. MUNICIPAL PROTECTION:

FUS Municipal Protection Class: 5
Responding Fire Department: OAKVILLE
 Paid Volunteer Combination
Distance to fire department (ft): Under 5 Over 5
Roads: Paved Unpaved
Accessible year-round? Yes No
Difficult access to build. for fire dept. Yes No
Hydrants: 1 Within 155 m. 2 156-312 m. over 312 m.
(Number of Hydrants) (1 ft = 305 mm)

4. PRIVATE PROTECTION:

Adequate fire extinguishers Yes No None
Extinguishers properly tagged and serviced? Yes No
Standpipe and hose Yes No
Restaurant cooking protection? Yes No
Sprinkler System? Yes No IAO File see file 10/20/00
Coverage: Full Partial by the IAO
Alarm: Local Central Station Other
Fire Detection/Alarm system? Yes No
Watchman service? Yes No

5. EXPOSURES: Include exposures within 15 m. of risk (Omit if information provided on diagram)

Distance:	Height:	Construction:	Occupancy:
North: _____			
South: _____			
East: _____			
West: _____			

6. BUSINESS INTERRUPTION:

Insured's estimated replacement time:
Building 12 months Contents unknown
Difficult to replace (e.g. Foreign)?
Equipment Yes No
Climatic factor effect rebuilding?
Insured has other location(s) to conduct business?
Is there a single source of any stock or materials?
Seasonal fluctuations? Yes No
Fixtures Yes No
Stock Yes No
Interdependency Yes No
Local Competition? Yes No



Insured: A J EXOTIC EXTENSIONS LTD HQ Office: HAMILTON
 Address: 3173 DYGCHOFF ROAD UNIT 20/21 Representative: M. CADABO
ORVILLE, ONTARIO L6L 5V6 Date: FEB 16, 1988

Explain all circled answers

1. COLLAPSE:

Grounds Are:

- Natural
 Filled Land
 Undetermined

Area Subject to:

- Erosion
 Landslide
 Underground Hazards
 Heavy Snow Belt Area

 None of the above

Roof & Floors adequately supported & not overloaded
 Stock Fixtures adequately supported

Evidence of Sagging:

- Walls
 Floors
 Roof
 Structural Supports
 Cornice/Trimming
 Porch
 Inadequate Drainage
 None of the above

- Yes No
 Yes No

2. WATER DAMAGE:

Type of Plumbing System:

- Copper
 Galvanized
 Plastic

Exposed To:

- Freezing
 Mechanical Damage
 Neither

Evidence Of:

- Leakage
 Corrosion
 Substandard Support
 Inside And/Or Roof Storage Tank(s) or Process Equipment
 None of the above

Evidence of Water Damage To:

- Floor(s)
 Ceiling(s)
 Interior Wall(s)
 Exterior Wall(s)
 None of the above

Stock Susceptibility Is:

- Slight
 Moderate
 Severe

Stock Stored:

- In Basement
 On 1ST Floor(s)
 Skid And/Or Shelf Storage
 None

3. FLOOD:

Nearest Body of Water:

- Pond/Lake _____ Distance _____
 Stream/Creek _____
 River/Canal _____
 Man-made Impoundment _____
 Ocean Bay or Harbour _____

Area Subject to:

- Surface Accumulation
 Flooding
 Sewage Back-up
 Recent Development

- Evidence of Inadequate Drainage
 Special Flood Protection Provided
 History of Floods at Location
 None of the above apply

4. EARTHQUAKE:

- Earthquake Zone _____
 EQ Construction Class (circle) A B C E F
 Natural Gas Connections No Yes
 Exposed by Adjacent Tanks Antennas, Towers etc. No Yes
 Unusual Features No Yes
 Any Earthquake History No Yes

5. THEFT:

- Machinery or Stock attractive No Yes
 Alarms: Perimeter Area None
 Listed Central Station Other
 Alarm Company: ALARM
 Locks: All Doors have dead bolts No Yes
 Stock Stored in open No Yes
 Yards Fenced & Well Lit No Yes

6. LOSS HISTORY:

- Yes No

COMMENTS

↓ The building is heated by gas fueled units, therefore there are several gas collectors.

RECOMMENDATIONS (Point Form)

APPENDIX II
Correspondence with Regulatory Agencies

**Ministry of the Environment,
Conservation and Parks**

Access and Privacy Office
12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

**Ministère de l'Environnement, de
la Protection de la nature et des
Parcs**

Bureau de l'accès à l'information et
de la protection de la vie privée
12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Télééc.: (416) 314-4285



June 8, 2022

Grace Thompson
Pinchin Ltd.
6-875 Main St W, Suite 200
Hamilton, ON L8S 4R9

Dear Grace Thompson:

**RE: *Freedom of Information and Protection of Privacy Act Request*
Our File #: A-2021-04709, Your Reference #: 295448**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 2172 Wyecroft Road, Oakville.

After a thorough search of the Ministry's Halton Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

The District Office has advised that there may be inactive records in the Records Centre, Mississauga. To retrieve these files there is a charge of \$60.00 with no guarantee that any records will be located responsive to your request. If you would like us to retrieve these files, please forward to me at the above address payment by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card in the amount of \$60.00. Credit card forms are available on the Ministry's website <http://www.ontario.ca/environment-and-energy/freedom-information-request-form>. If you choose to have the files retrieved from the Records Centre, the time for answering your request will be extended for an additional 30 days.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Rochelle Lunau at Rochelle.Lunau2@ontario.ca.

Yours truly,

A handwritten signature in black ink, appearing to read "RG", written over a light blue horizontal line.

Ryan Gunn
Manager (A), Access and Privacy Office

Attachments



135 St. Clair Avenue West
Suite 100
Toronto, Ontario
M4V 1P5

135, avenue St. Clair (ouest)
Bureau 100
Toronto (Ontario)
M4V 1P5

1988
HMS Equipment Sales
Division of 536823 Ontario Ltd.
2172 Wycroft Rd.
Unit #16
Oakville, Ont.
L6L 5V6

Attn: Ms J. McDowell
President

Dear Ms McDowell:

RE: Acknowledgement of Subject Waste Registration

As prescribed by Section 15(3) of Ontario Regulation 309, this letter acknowledges receipt of your Generator Registration Report(s) dated November 27, 1987 for the following site:

2172 Wycroft Rd.
Unit #16
Oakville, Ont.

The Generator Registration Number assigned to your company at this site is:

ON0957200

Please note that this Generator Registration Number must be used only in conjunction with the site for which it was issued.

Please ensure that the company name shown on this letter is complete and accurate. This would be the corporate name or, if a partnership or proprietorship, the name of the principal(s). If you intend to carry on business under a separate name or style, this should also be entered. If there is a discrepancy, it is your responsibility to re-register providing us with your complete and accurate company name.

A list of the waste stream(s) covered by this acknowledgement is attached to this letter as Schedule "A".

For off-site disposal of subject wastes, the waste number(s) describing the waste stream(s) in Schedule "A"

and the Generator Registration Number must be entered on manifest forms for each waste transaction after you have received this generator registration document. A copy of an example manifest form is attached for your information.

For on-site disposal of subject wastes covered by this acknowledgement, including on-site incineration, landfilling and discharges to sanitary sewers, every generator shall retain records for a period of at least two years. These records shall include the generator registration number, waste name(s), waste number(s), quantity and disposition of the waste(s).

For off-site disposal of any registerable solid wastes shown in Schedule "A" (waste classes ending in the letter "N"), manifesting is not required at this time. These wastes can be disposed of at most approved municipal landfilling sites.

The selection of accurate waste classes is the responsibility of each waste generator. This acknowledgement must not be considered as a confirmation of the accuracy of information submitted by you. Based on the information you have provided, the waste class(es) that has (have) been selected appear(s) to be correct. If, due to new information or re-assessment of information submitted, you feel your waste is inappropriately classified, you should apply for a revision to your registration using the Generator Registration Report, Form 2. Should the waste class(es) that you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 309.

Your Generator Registration Report has now been forwarded to the District Office of this Ministry that is closest to your generating site. The District Office will be conducting a post-registration audit and may be contacting you for additional information or may be conducting site visits.

It is important to note that under Section 15(4) of Ontario Regulation 309, a new Generator Registration Report must be submitted to the Ministry within fifteen (15) days for any of the following reasons:

1. If the name, address or telephone number of your company or waste generating site changes.
2. If the description, the waste class or physical or chemical characteristics of your registered wastes change(s).
3. If you generate a hazardous or liquid industrial waste that has not been registered with the Ministry.

If the quantity of registered wastes or your carrier or receiver changes, automatic re-registration is not required. However, in order to update our file, we may periodically request additional information when we observe or suspect a significant change as compared to the most recent information submitted by you for registration purposes.

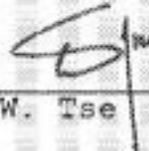
Should you have any questions concerning generator registration or manifesting requirements, please contact the Waste Management Branch Reviewer identified below at 323-5201.

Yours truly,



Director
Regulation 309, R.R.O., 1980
Environmental Protection Act

Waste Management Branch Reviewer:


W. Tse

EAS/mgm

Enclosure

LE 03 07

ADDITIONAL COMMENTS:

Although your waste crankcase oils have been acknowledged with the primary characteristic of Liquid Industrial Waste (L), be advised that analytical data have indicated that many of these waste oils exhibit the primary characteristic of Leachate Toxicity (T) and would therefore be classified as hazardous waste. It is your responsibility as the generator to ensure that the primary characteristic(s) of your waste(s) is (are) correct as acknowledged.

SCHEDULE "A"

This attached Schedule forms part of the acknowledgement of generator registration for the facility and site identified by Generator Registration Number ON0957200, dated at Toronto, on MAR 2 1988

Waste Stream	Waste Class
1. Oils and lubricants drained from engines and cylinders	252L
2. Spent varsol	213I

Waste Management Branch Reviewer:



W. Tse

7/3.4

SEARCHED AND INDEXED
 MAR 2 1988

 SIGNATURE



Ministry of the Environment
Ministère de l'Environnement

135 St. Clair Avenue West
Suite 100
Toronto, Ontario
M4V 1P5

135, avenue St. Clair Ouest
Bureau 100
Toronto (Ontario)
M4V 1P5

OCT 0.8 1992

Master - Dyne Limited
2172 Wyecroft Road, Unit #3
Oakville, Ontario
L6L 5V6

Attn: Mr. James Deadman
Plant Manager

Dear Mr. Deadman:

RE: Acknowledgement of Subject Waste Registration

As prescribed by Section 15(3) of Ontario Regulation 309, this letter acknowledges receipt of your Generator Registration Report(s) dated September 17, 1992 for the following site:

2172 Wyecroft Road, Unit #3
Oakville, Ontario

The Generator Registration Number assigned to your company at this site is:

ON1636700

Please note that this Generator Registration Number must be used only in conjunction with the site for which it was issued.

Please ensure that the company name shown in this letter is complete and accurate. This would be the corporate name or, if a partnership or proprietorship, the name of the principal(s). If you intend to carry on business under a separate name or style, this should also be entered. If there is a discrepancy, it is your responsibility to re-register providing us with your complete and accurate company name.

A list of the waste stream(s) covered by this acknowledgement is attached to this letter as Schedule "A".

000005

Under the Environmental Protection Act of Ontario, off-site and on-site disposal of subject wastes is only permissible if the property receiving the waste has been approved as a waste disposal site. The disposal of waste materials in an uncertified site is unlawful.

For **off-site** disposal of subject wastes, the waste number(s) describing the waste stream(s) in Schedule "A" and the Generator Registration Number must be entered on manifest forms for each waste transaction after you have received this generator registration document. A copy of an example manifest form is attached for your information.

For **on-site** disposal of subject wastes covered by this acknowledgement, including on-site incineration, landfilling and discharges to sanitary sewers, every generator shall retain records for a period of at least two years. These records shall include the generator registration number, waste name(s), waste number(s), quantity and disposition of the waste(s).

For off-site disposal of any **registerable solid wastes** shown in Schedule "A" (waste classes ending in the letter "N"), manifesting is not required at this time. These wastes can be disposed of at most approved municipal landfilling sites.

The selection of accurate waste classes is the responsibility of each waste generator. This acknowledgement must not be considered as a confirmation of the accuracy of information submitted by you. Based on the information you have provided, the waste class(es) that has (have) been selected appear(s) to be correct. If, due to new information or re-assessment of information submitted, you feel your waste is inappropriately classified, you should apply for a revision to your registration using the Generator Registration Report, Form 2. Should the waste class(es) that you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 309.

Your Generator Registration Report has now been forwarded to the District Office of this Ministry that is closest to your generating site. The District Office will be conducting a post-registration audit and may be contacting you for additional information or may be conducting site visits.

It is important to note that under Section 15(4) of Ontario Regulation 309, a new Generator Registration Report must be submitted to the Ministry within fifteen (15) days for any of the following reasons:

1. If the name, address or telephone number of your company or waste generating site changes.
2. If the description, the waste class or physical or chemical characteristics of your registered wastes change(s).
3. If you generate a hazardous or liquid industrial waste that has not been registered with the Ministry.

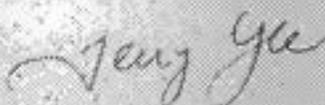
If the quantity of registered wastes or your carrier or receiver changes, automatic re-registration is not required. However, in order to update our file, we may periodically request additional information when we observe or suspect a significant change as compared to the most recent information submitted by you for registration purposes.

Should you have any questions concerning generator registration or manifesting requirements, please contact the Waste Management Branch Reviewer identified below at 323-5143.

Yours truly,


Director
Regulation 309, R.R.O., 1980
Environmental Protection Act

Waste Management Branch Reviewer:



T. Yee

WI/sf

Enclosure

ADDITIONAL COMMENTS:

Please ensure that the wastes shown in Schedule "A" include all of your subject wastes and that other registerable wastes, such as waste oils have not been omitted.

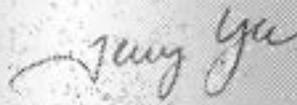
SCHEDULE "A"

This attached Schedule forms part of the acknowledgement of generator registration for the facility and site identified by Generator Registration Number ON1636700, dated at Toronto,

OCT 08 1992

	Waste Stream	Waste Class
1.	Waste petroleum naphtha	213I

Waste Management Branch Reviewer:



T. Yee



Ministry of
Environment
and Energy

Ministère de
l'Environnement
et de l'Énergie

135 St. Clair Avenue West
Suite 100
Toronto ON M4V 1P5

135, avenue St. Clair ouest
Bureau 100
Toronto ON M4V 1P5

March 15, 1994

MR. J. HORVAT
AUTO PRO COLLISION AND RESTORATION
2172 WYECROFT ROAD, UNIT 18
OAKVILLE, ONT
L6L 5V6

Dear MR. J. HORVAT:

Re: Acknowledgement of Subject Waste Registration

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration Report dated **February 25, 1994**. The Generator Registration Number assigned to your company is:

ON1824300

for the site located at:

**2172 WYECROFT ROAD, UNIT 18
OAKVILLE, ONT**

A list of acknowledged waste number(s) is attached as Schedule "A". The format of this schedule has been modified since July 1993. A waste number now appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule "A", and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at a uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste numbers(s) you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.



It is important to note that under Subsection 18(4) of Regulation 347, a supplementary Generator Registration Report must be submitted to the Ministry within 15 days for any of the following reasons:

1. if the name, address or telephone number of your company or generating site changes, or
2. if there is a significant change in the description, the waste number, or the physical or chemical characteristics of your registered waste(s), or
3. if you generate a hazardous or liquid industrial waste that has not been registered with the Ministry, even if its waste number is already listed on Schedule "A".

Your Generator Registration Report has been forwarded to the District Office of this Ministry that is closest to your generating site. Staff of the District Office conduct post-registration audits and may contact you for additional information or may visit your site.

Should you have any questions concerning generator registration or manifesting requirements, please contact the Regulation 347 officer at the appropriate Regional Office of the Ministry.

Regional Offices:	Southwestern (London)	(519) 661-2200
	West-Central (Hamilton)	(416) 521-7640
	Central (Toronto)	(416) 424-3000
	Southeastern (Kingston)	(613) 549-4000
	Northeastern (Sudbury)	(705) 675-4501
	Northwestern (Thunder Bay)	(807) 475-1205



Director
Regulation 347, R.R.O., 1990
Environmental Protection Act

SCHEDULE "A"

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which may represent more than one waste stream. This attached Schedule forms part of the acknowledgement of generator registration for the following site:

2172 WYECROFT ROAD, UNIT 18
OAKVILLE, ONT

identified by Generator Registration Number ON1824300, dated in Toronto, March 15, 1994.

WASTE STREAM

WASTE NUMBER

1. PAINT/PIGMENT/COATING RESIDUES

145I

End of record.

File Copy for ON2295100 SCHEDULE 'A' - FILE COPY

April 22, 1998

**HAGER
2172 WYECROFT ROAD, UNIT 25**

**OAKVILLE, ONT
L6L 5V6**

Attention: MR. LEN POLICELLI

Re: Acknowledgement of Subject Waste Registration

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration report dated February 26, 1998. The Generator Registration Number assigned to your company is:

ON2295100

for the site located at: 2172 WYECROFT ROAD, UNIT 25

OAKVILLE
ONT

A list of acknowledged waste number(s) is attached as Schedule 'A'. The format of this schedule has been modified since July 1993. A waste number now appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule 'A', and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at an uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste number(s) you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.

SCHEDULE 'A'

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which may represent more than one waste stream. This attached Schedule forms part of the acknowledgement of generator registration report dated February 26, 1998 for the following site:

HAGER
2172 WYECROFT ROAD, UNIT 25

OAKVILLE
ONT

identified by Generator Registration Number ON2295100, dated in Toronto, April 22, 1998.

<u>WASTE STREAM</u>	<u>WASTE NUMBER</u>
HALOGENATED SOLVENTS	241H
WASTE OILS & LUBRICANTS	252L

----- End of List -----



Generator Details

Registration/Notification Number

ON4692139

Legal Company Name

Primary Name:	Bezemer Services	Division Name:	NA
---------------	------------------	----------------	----

Company Operating Name

Primary Name:	Bezemer Services	Division Name:	NA
---------------	------------------	----------------	----

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	FGPO Box 81083	Address Line 2:	NA
Town/City:	Ancaster	Postal Code / Zip Code:	L9G 4X1
County: (if inside Ontario)	HAMILTON-WENTWORTH R. M.	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wycroft Road		
Address Line 2:	NA		
Town/City:	Oakville	Postal Code / Zip Code:	L6L 6R1
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Company Official

000014



Company Name: **Bezemer Services**
 Company Number: **ON4692139 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
145 - H	View Details	F003	1				Liquid	Off-Site	Active
211 - H	View Details	F003	1				Liquid	Off-Site	Active
252 - L	View Details	N/A					Liquid	Off-Site	Active



Generator Details

Registration/Notification Number

ON5594396

Legal Company Name

Primary Name:	KGO GROUP LTD	Division Name:	NA
---------------	---------------	----------------	----

Company Operating Name

Primary Name:	KGO GROUP LTD	Division Name:	NA
---------------	---------------	----------------	----

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Rd.,	Address Line 2:	Unit 4 & 5
Town/City:	OAKVILLE	Postal Code / Zip Code:	L5L6R1
County: (if inside Ontario)	HALTON (R. M.)	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Rd.,		
Address Line 2:	Unit 4 & 5		
Town/City:	OAKVILLE	Postal Code / Zip Code:	L5L6R1
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Company Official

000016



Company Name: **KGO GROUP LTD**
 Company Number: **ON5594396 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
146 - T	View details	D004	5, 13	Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
232 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
252 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
262 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
263 - I	View Details	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
263 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>



Generator Details

Registration/Notification Number

ON6261287

Legal Company Name

Primary Name:	Bezemer Services	Division Name:	NA
---------------	------------------	----------------	----

Company Operating Name

Primary Name:	Bezemer Services	Division Name:	NA
---------------	------------------	----------------	----

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	F.G.P.O Box 81083	Address Line 2:	NA
Town/City:	Ancaster	Postal Code / Zip Code:	L9G 4X1
County: (if inside Ontario)	HAMILTON-WENTWORTH R. M.	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wycroft Road		
Address Line 2:	NA		
Town/City:	Oakville	Postal Code / Zip Code:	L6L 6R1
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Company Official

000018



Company Name: **Bezemer Services**
 Company Number: **ON6261287 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
251 - L	View details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>



Generator Details

Registration/Notification Number

ON7792624

Legal Company Name

Primary Name:	United Building Investments No. 6 Limited	Division Name:	NA
---------------	---	----------------	----

Company Operating Name

Primary Name:	United Building Contractors	Division Name:	NA
---------------	-----------------------------	----------------	----

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Road, Unit 6	Address Line 2:	NA
Town/City:	Oakville	Postal Code / Zip Code:	L6L 5V6
County: (if inside Ontario)	HALTON (R. M.)	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Road, Unit 6		
Address Line 2:	NA		
Town/City:	Oakville	Postal Code / Zip Code:	L6L 5V6
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		



Company Name: **United Building Investments No. 6 Limited**
 Company Number: **ON7792624 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
251 - L	View Details	N/A					Liquid	Off-Site	Active



Generator Details

Registration/Notification Number

ON8119218

Legal Company Name

Primary Name:	Filter Solutions Inc	Division Name:	NA
---------------	----------------------	----------------	----

Company Operating Name

Primary Name:	Filter Solutions Inc	Division Name:	NA
---------------	----------------------	----------------	----

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Road #21	Address Line 2:	NA
Town/City:	Oakville	Postal Code / Zip Code:	L6L 5V6
County: (if inside Ontario)	HALTON (R. M.)	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Road #21		
Address Line 2:	NA		
Town/City:	Oakville	Postal Code / Zip Code:	L6L 5V6
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Company Official

000022



Company Name: **Filter Solutions Inc**
 Company Number: **ON8119218 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
145 - I	View Details	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active
211 - H	View Details	F001	1	Land Disposal	Y	Y	Liquid	Off-Site	Active
213 - I	View Details	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active



Generator Details

Registration/Notification Number

ON8495842

Legal Company Name

Primary Name:	2540816 ONTARIO INC ALOME FINISHING	Division Name:	2540816 ONTARIO INC ALOME FINISHING
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Company Operating Name

Primary Name:	2540816 ONTARIO INC ALOME FINISHING	Division Name:	2540816 ONTARIO INC ALOME FINISHING
---------------	-------------------------------------	----------------	-------------------------------------

Mailing Address

Division Building:	2540816 ONTARIO INC ALOME FINISHING	Post Box Number:	2540816 ON
Address Line 1:	2172 WYECROFT RD UNIT 10 & 11	Address Line 2:	NA
Town/City:	OAKVILLE	Postal Code / Zip Code:	L6L 6R1
County: (if inside Ontario)	LAMBTON	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Road, Unit 10-11		
Address Line 2:	NA		
Town/City:	Oakville	Postal Code / Zip Code:	L6L 6R1
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA

000024



Company Name: **2540816 ONTARIO INC ALOME FINISHING 2540816 ONTARIO INC ALOME FINISHING**
 Company Number: **ON8495842 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
211 - H	View details	F003	1	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>

[Unregister Selected Classes](#)

[Back](#)



Generator Details

Registration/Notification Number

ON9043383

Legal Company Name

Primary Name:	Macmillan Machining Inc.	Division Name:	NA
---------------	--------------------------	----------------	----

Company Operating Name

Primary Name:	Macmillan Machining Inc.	Division Name:	NA
---------------	--------------------------	----------------	----

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	9-2172 Wyecroft Rd	Address Line 2:	-
Town/City:	Oakville	Postal Code / Zip Code:	L5L 1V6
County: (if inside Ontario)	HALTON (R. M.)	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	9-2172 Wyecroft Rd		
Address Line 2:	-		
Town/City:	Oakville	Postal Code / Zip Code:	L5L 1V6
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Company Official

000026



Company Name: **Macmillan Machining Inc.**
 Company Number: **ON9043383 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
253 - T	View Details	D008	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active



Generator Details

Registration/Notification Number

ON9100447

Legal Company Name

Primary Name:	Kencro Chemicals Limited	Division Name:	NA
---------------	--------------------------	----------------	----

Company Operating Name

Primary Name:	Kencro Chemicals Limited	Division Name:	NA
---------------	--------------------------	----------------	----

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Road, Unit #4	Address Line 2:	NA
Town/City:	Oakville	Postal Code / Zip Code:	L6L 5V6
County: (if inside Ontario)	HALTON (R. M.)	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wyecroft Road, Unit #4		
Address Line 2:	NA		
Town/City:	Oakville	Postal Code / Zip Code:	L6L 5V6
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Company Official

000028



Company Name: **Kencro Chemicals Limited**
 Company Number: **ON9100447 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
114 - C	View Details	D002	5, 13	Out of Ontario - Potential Land Disposal	Y	Y	Liquid	Off-Site	Active
148 - C	View Details	D002	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active



Company Name: **Kencro Chemicals Limited**
 Company Number: **ON9100447 (Generator)**

Inactive Waste Classes

Inactive Waste Class Listing

[Add New Waste Class](#) | [Active waste classes](#)

Inactive Off-site Waste Classes

Waste Class	Physical State	Off-Site	Status	Activate	
113 - C	Solid	Off-Site	Inactive	<input type="radio"/>	View Details
122 - C	Solid	Off-Site	Inactive	<input type="radio"/>	View Details
122 - C	Solid	Off-Site	Inactive	<input type="radio"/>	View Details

[Activate](#)

Ministry of the Environment,
Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

Ministère de l'Environnement, de la
Protection de la nature et des Parcs

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2



April 19, 2024

Ms. Irene Hutchison
Pinchin Ltd.
2360 Meadowpine Boulevard, Unit 2
Mississauga, Ontario L5N 6S2
ihutchison@pinchin.com

Dear Irene Hutchison:

RE: MECP FOI A-2024-02134, Your Reference #: 339515 – Record Release Letter

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 2172 Wycroft Road, Oakville.

Attached is a copy of the records.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

If you have any questions regarding this matter, contact Tara Hachey at tara.hachey@ontario.ca.

Yours truly,

A handwritten signature in cursive script that reads "Tara Hachey".

For:

Josephine DeSouza
Manager, Access and Privacy Office

Attachment



Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 1511-5GGMD6

Kencro Chemicals Limited
2172 Wycroft Road, Unit #4
Oakville, Ontario
L6L 5V6

Site Location: Kencro Chemicals
2172 Wycroft Road, Unit #4
Oakville Town, Regional Municipality of Halton
L6L 5V6

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) packed bed scrubber, used to control emissions of hydrochloric acid (32% solution) during unloading from truck into storage tank and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- one (1) packed bed scrubber, used to control emissions of either acetic acid (99 % solution) or nitric acid (67 % solution) during unloading from truck into storage tanks and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- four (4) storage tanks for the storage of sodium hydroxide (NaOH) 50% solution, potassium hydroxide (KOH) 45% solution, ferric chloride (FeCl₃) 45% solution, and sulfuric acid (H₂SO₄) 96% solution, respectively, exhausting into the atmosphere with its own vent parameters as outlined in the attached Schedule "A".

All in accordance with the application for a Certificate of Approval (Air) signed by K.G.(Ken) Dunwoody, dated June 24, 2002 and all supporting information. Facsimile transmittal dated December 2, 2002 from Graeme Norval of GWN Chemical Consulting, Inc. to the Ontario

Ministry of the Environment.

Schedule "A"

This Schedule "A" forms part of the Certificate of Approval (Air).

Source Identifier	Description	Volumetric flow rate (cubic metre per second)	Exit diameter (metre)	Vent height above grade (metre)	Vent height above the roof (metre)
1	NaOH	0.051	0.076	6.4	0.15
2	KOH	0.026	0.026	6.4	0.15
3	FeCl ₃	0.051	0.076	6.4	0.15
4	H ₂ SO ₄	0.051	0.076	6.4	0.15

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Company" means Kencro Chemicals Limited;
- (3) "Certificate" means this Certificate of Approval including Schedule "A", issued in accordance with Section 9 of the Act;
- (4) "Equipment" means the packed bed scrubbers described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provides written instructions to staff of the Company; and
- (6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Facility, and update, as necessary, a

Manual outlining the operating procedures and a maintenance program for the Facility, including:

- (a) routine operating and maintenance procedures in accordance with good engineering practices, and as recommended by the Equipment Suppliers;
 - (b) emergency procedures;
 - (c) frequency of cleaning of the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Facility and the Equipment;
 - (e) procedures for recording and responding to environmental complaints relating to the operation of the Facility; and
 - (f) all appropriate measures to minimize noise and odorous emissions from all potential sources; and
- (2) implement the recommendations of the Manual.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition, the Company is required to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the Regulations and this Certificate.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;

7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

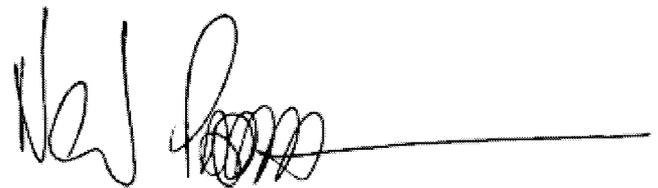
The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 9th day of December, 2002



Neil Parrish, P.Eng.
Director
Section 9, *Environmental Protection Act*

ST/
c: District Manager, MOE Halton-Peel
Graeme Norval, GWN Chemical Consulting Inc.



Ministry
of the
Environment

Ministère
de
l'Environnement

Ontario

CERTIFICATE OF APPROVAL
AIR
NUMBER 8039-6LMPZP
Issue Date: February 13, 2006

Genieye Systems Inc.
2172 Wycroft Road, No. 14-15
Oakville, Ontario
L6L 6R1

Site Location: Oakville Town, Regional Municipality of Halton
L6L 6R1, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) paint spray booth for the application of styrene-based fibreglass reinforced resins at a maximum rate of 9.46 litres per hour, one (1) non-atomizing spray gun and 5.3 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 2.2 actual cubic metres per second, through a stack, having an exit diameter of 0.46 metre, extending 4.42 metres above the roof and 10.72 metres above grade;

all in accordance with the Application for Approval (Air & Noise) dated July 5, 2005, and signed by Eugene McDoughall, (President), Genieye Systems Inc., and all supporting information associated with the application provided by Steven Challoner, P.Eng.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval issued in accordance with the Act;
- (3) "District Manager" means the District Manager, Halton-Peel District Office, Central Region of the Ministry;
- (4) "Equipment" means the paint spray booth described in the Owner's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;
- (6) "Ministry" means the Ontario Ministry of the Environment; and

(7) "Owner" means Genieye Systems Inc., and includes its successors and assignees;

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.
2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

OPERATING AND MAINTENANCE

3. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:
 - (1) prepare, not later than three (3) months after the date of this Certificate, and update as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (d) the frequency of inspection and replacement of the filter material in the Equipment;
 - (e) procedures for recording and responding to environmental complaints; and
 - (f) appropriate measures to minimize odorous emissions from all potential sources.
 - (2) implement the recommendations of the operating and maintenance Manual.

RECORD RETENTION

4. The Owner shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Certificate. These records as well as the Manual shall be made available to staff of the Ministry upon request. The Owner shall retain:
- (1) all records on the maintenance, repair and inspection of the Equipment; and
 - (2) all records on the environmental complaints, including:
 - (a) a description, time and date of each incident;
 - (b) operating conditions (e.g. the product name(s) being sprayed, any upset conditions, etc.) at the time of the incident; and
 - (c) a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future.

NOTIFICATION OF COMPLAINTS

5. The Owner shall notify the District Manager, in writing, of each environmental complaint and the measures taken to address the cause of the complaint within five (5) business days of the complaint.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition No. 3 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.
3. Condition No. 4 is included to require the Owner to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.
4. Condition No. 5 is included to require the Owner to notify staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the

Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 13th day of February, 2006



Aziz Ahmed, P.Eng.
Director

Section 9, *Environmental Protection Act*

AA/

c: District Manager, MOE Halton-Peel
Steven Challoner, P.Eng., Environmental Consultant

AMENDED CERTIFICATE OF APPROVAL**AIR**

NUMBER 8440-7ZEPW5

Issue Date: January 25, 2010

Kencro Chemicals Limited
2172 Wyecroft Rd, No. Unit 4
Oakville, Ontario
L6L 5V6

Site Location: Kencro Chemicals
2172 Wyecroft Rd
Oakville Town, Regional Municipality of Halton
L6L 5V6

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) packed bed scrubber, used to control emissions of hydrochloric acid (32% solution) during unloading from truck into storage tank and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- one (1) packed bed scrubber, used to control emissions of either acetic acid (99 % solution) or nitric acid (67 % solution) during unloading from truck into storage tanks and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- four (4) storage tanks for the storage of sodium hydroxide (NaOH) 50% solution, potassium hydroxide (KOH) 45% solution, ferric chloride (FeCl₃) 45% solution, and sulfuric acid (H₂SO₄) 96% solution, respectively, exhausting into the atmosphere with its own vent parameters as outlined in the attached Schedule "A".

- **two (2) storage tanks used for the storage of 12% trade sodium hypochlorite solution (10.4 weight percent), exhausting into the atmosphere through a common vent, identified as source 7, with vent parameters as outlined in the attached Schedule "A".**

All in accordance with the application for a Certificate of Approval (Air) signed by K.G.(Ken) Dunwoody, dated June 24, 2002 and all supporting information. Revised ESDM report dated January 9, 2010 from Graeme Norval of GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment. E-mail dated January 20, 2010 from GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment.

Schedule "A"

This Schedule "A" forms part of the Certificate of Approval (Air).

Source Identifier	Description	Volumetric flow rate (cubic metre per second)	Exit diameter (metre)	Vent height above grade (metre)	Vent height above the roof (metre)
1	NaOH	0.051	0.076	6.4	0.15
2	KOH	0.026	0.026	6.4	0.15
3	FeCl ₃	0.051	0.076	6.4	0.15
4	H ₂ SO ₄	0.051	0.076	6.4	0.15
7	Sodium Hypochlorite	0.05	0.05	7	0.9

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Company" means Kencro Chemicals Limited;
- (3) "Certificate" means this Certificate of Approval including Schedule "A", issued in accordance with Section 9 of the Act;
- (4) "Equipment" means the packed bed scrubbers described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(5) "Manual" means a document or a set of documents that provides written instructions to staff of the Company; and

(6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:

(1) prepare, before commencement of operation of the Facility, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Facility, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices, and as recommended by the Equipment Suppliers;

(b) emergency procedures;

(c) frequency of cleaning of the Equipment;

(d) procedures for any record keeping activities relating to operation and maintenance of the Facility and the Equipment;

(e) procedures for recording and responding to environmental complaints relating to the operation of the Facility; and

(f) all appropriate measures to minimize noise and odorous emissions from all potential sources; and

(2) implement the recommendations of the Manual.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition, the Company is required to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the Regulations and this Certificate.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 1511-5GGMD6 issued on December 9, 2002

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 25th day of January, 2010



Victor Low, P.Eng.
Director

Section 9, *Environmental Protection Act*

ST/

c: District Manager, MOE Halton-Peel
Graeme Norval, GWN Chemical Consulting Inc.



Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 8711-4PEL79

Jolly & Associates Consultants Inc.
5360 Cedar Springs Road, RR #3
Campbellville, Ontario
L0P 1B0

Site Location: 2172 Wycroft Road, Unit #24
Oakville Town, Regional Municipality Of Halton

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) evaporator for a silicic acid solution having a capacity of 2273 litres, discharging into the atmosphere at a volumetric flow rate of 1.01 cubic metres per second at an approximate temperature of 90 degree Celsius, through a stack having a diameter of 0.3 metre, extending 2.0 metres above the roof, and 7.5 metres above grade; and
- seven (7) natural gas fired burners serving the evaporator, having a total maximum heat input of 1.29 million kiloujoules per hour, discharging into the atmosphere at a volumetric flow rate of 0.16 cubic metres per second at an approximate temperature of 150 degree Celsius, through a stack having a diameter of 0.25 metre, extending 1.0 metre above the roof, and 7.5 metres above grade;

all in accordance with the application for a Certificate of Approval (Air), and all supporting information dated December 11, 1999 and signed by Colin Jolly.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;
- (3) "Company" means Jolly & Associates Consultants Inc.;
- (4) "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Act;
- (5) "District Manager" means the District Manager, MOE Halton-Peel District Office;

- (6) "Equipment" means the evaporator described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (7) "Facility" means the entire operation located on the property where the Equipment is located;
- (8) "Manager" means the Manager, Technology Standards Section, Standards Development Branch, or any other person who represents and carries out the duties of the Manager as those duties relate to the conditions of this Certificate;
- (9) "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
- (10) "Ministry" means Ontario Ministry of the Environment;
- (11) "Point of Impingement" means any point in the natural environment. The point of impingement for the purposes of verifying compliance with the Act shall be chosen as the point located outside the Company's property boundaries at which the highest concentration is expected to occur, when that concentration is calculated in accordance with the Appendix to Regulation 346 written under the Act, or any other method accepted by the Director;
- (12) "Pre-Test Information" means the information outlined in Section 1 of the Source Testing Code;
- (13) "Source Testing Code" means the Source Testing Code, Version 2, Report No. ARB-66-80, dated November 1980, prepared by the Ministry, as amended; and
- (14) "Source Testing" means sampling and testing to measure emissions resulting from operating the Equipment under conditions which yield the worst case emissions within the approved operating range of the Equipment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

MONITORING

Performance

1. The Company shall ensure that the half hour concentration of silica at a Point of Impingement, resulting from the operation of the Facility, calculated in accordance with Regulation 346, is less than 15 micrograms per metre cube.

Source Testing

2. The Company shall monitor the emissions from and operation of the Plant as follows:
 - (1) The Company shall perform Source Testing to determine the rates of emission of silica from the Equipment.
 - (2) The Company shall submit, not later than three (3) months after the commencement of operation of the Equipment, to the Manager a test protocol, including the Pre-Test Information for the Source Testing required by the Source Testing Code.
 - (3) The Company shall finalize the test protocol in consultation with the Manager.
 - (4) The Company shall not commence the Source Testing until the Manager has accepted the test protocol.
 - (5) The Company shall complete the Source Testing not later than three (3) months after the Manager has accepted the test protocol.

Notification of Upcoming Source Testing

3. The Company shall notify the District Manager and the Manager, in writing, of the location, date and time of any impending Source Testing required by this Certificate, at least ten (10) business days prior to the Source Testing.

Report on Source Testing

4. The Company shall submit a report on the Source Testing to the District Manager and the Manager not later than two (2) months after completing the Source Testing. The report shall be in the format described in the Source Testing Code, and shall also include:
 - (1) an executive summary;
 - (2) records of all operating conditions; and
 - (3) the results of dispersion calculations in accordance with Regulation 346 indicating the maximum concentration of Silica at the Point of Impingement.

Refusal of Source Testing

5. The Director may not accept the results of the Source Testing if:
 - (1) the Source Testing Code or the requirements of the Manager were not followed; or

- (2) the Company did not notify the District Manager and the Manager of the Source Testing; or
 - (3) the Company failed to provide a complete report on the Source Testing.
6. If the Director does not accept the results of the Source Testing, the Director may require re-testing.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to outline the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Facility.
2. Condition Nos. 2 to 6, inclusive, are included to require the Company to gather accurate information so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Appeal Board and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Board. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Appeal Board
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

* Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca , you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 25th day of September, 2000

Steve Klose, P.Eng.
Director
Section 9, *Environmental Protection Act*

FC/

c: District Manager, MOE Halton-Peel
Colin S. Jolly, President, Jolly & Associates Consultants Inc.

OCCURENCE REPORT

Location of Occurrence: OAKVILLE TOWN 2172 WYECROFT RD. Reg: 3 Dist: HP Municipality: 14403		Source: OAKVILLE HYDRO TRANSFORMER Sector: GM Source: TF SIC: 4911 UTM: N: [4813000] E: [604000] Zone: [17]	
Entered: 2002/09/22 23:22	ORIS No. 9900075262	Abstracts: 0	Diaries: 0
Received By: JANET GREEN		Batch: 4383	I. E. B. No.
Occurrence Type: N	Subtype: 01	Occurrence Date:	2002/09/22
Work Plan:	CS	Occurrence Time:	20:00
Reported By: GREG CLARK OAKVILLE HYDRO		Report to MOE : 2002/09/22 22:15 MOE at Scene:	
Telephone No. 905-825-9400 x	Alternate No. x	Assigned To:	DORIENNE CUSHMAN
Address: OAKVILLE Postal Code:		ERP Contacted: Callout: <input type="checkbox"/> NSP: <input type="checkbox"/> ERP Name:	
Syn: OAKVILLE HYDRO: UNKNOWN AMOUNT OF TRANSFORMER OIL TO VAULT.			
Brief Summary: CALLER REPORTS THAT DUE TO AGE AND RUSTING A TRANSFORMER AT THE ABOVE LOCATION LEAKED AN UNKNOWN AMOUNT OF TRANSFORMER OIL TO A VAULT. THE OIL IS CONTAINED IN A GRAVEL BOTTOMED VAULT WHICH WILL BE CLEANED TOMORROW. NONE OF THE MATERIAL LEFT SITE OR WENT TO ANY WATER. THE TRANSFORMER WAS INSTALLED 1987 THEREFORE OIL DOES NOT CONTAIN PCB.			
If there are related reports, record initial/master ORIS No. here >>			
Followup Action: Abatement IEB Other BF Date: OILY WATER REMOVED (PUMPED INTO 45 GALLON DRUMS AND ABSORBANTS USED). NO ENV CONCERNS. NFA.			
File Closed: Y Abatement: IEB Other Suspected Violation:			
Report Prepared By: DORIENNE CUSHMAN	Date: 09/26/2002	IEB Investigator:	IEB BF Date
Approving Officer ROBERT ADCOCK	Date: 10/11/2002	Reviewing Officer:	Date
Specify number(s) for routing Original [] [] [] [] []		Continued [] Yes	
Specify number(s) for copy distribution [] [] [] [] [] [] [] []			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
SAC Action Class: 1: 2:			

Material 1: TRANSFORMER OIL (N.O.S.)
Amount : UKN UKN
Material 2:
Amount :
Material 3:
Code : 15
UN No.:
Code :
UN No.:
Code :

Amount :		UN No.:
Cause. :		Code. . : 98
Reason. :		Code. . : 98
Person in Control: OAKVILLE HYDRO		Waste GenNum :
Owner : OAKVILLE HYDRO		Waste GenNum :
Agencies Involved :		
Clean up and Restoration Carried out by:		
<input checked="" type="checkbox"/> Controller	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Other
Y	Y	
% Cleaned up: 0		Estimated Cost:
Were Directions or Approval Given Under		
EPA Part X [v]	Regulation 362 [v]	Manifest No.
N	N	
Waste Class :		Code . . : 000
Hauler :		Code . . :
Disposal Site :		Code . . :
Environmental Impact:	Nature of Impact:	
P	Soil contamination	Code . . : 07
People/Business Damaged		
(Other than to Owner/Controller) :		
Nature of Damage:		Code . . :

**Ministry of the Environment and
Climate Change**

Central Region
Halton-Peel District Office
300-4145 North Service Rd
Burlington ON L7L 6A3
Fax: (905) 319-9902
Tel: (905) 319-7035

**Ministère de l'Environnement et de
l'Action en matière de changement
climatique**

Direction régionale du Centre
Bureau du district de Halton-Peel
300-4145 North Service Rd
Burlington ON L7L 6A3
Télécopieur: (905) 319-9902
Tel: (905) 319-7035



Via e-mail only
gorantes89@icloud.com

May 16, 2018

Gabriel Orantes
Alome Finishing
2172 Wyecroft Rd
Oakville, Ontario
L6L 2K1

Dear Mr. Orantes

RE: Spray booth requiring approval - 2172 Wyecroft Road, Oakville
Reference Number 6036-9PPPYH

Ontario Regulation 1/17 (Registrations under Part II.2 of the Act – Activities Requiring Assessment of Air Emissions) made under the *Environmental Protection Act* (EPA), referred to as the Air Emissions Environmental Activity and Sector Registry (EASR) Regulation, is now in force.

The regulation requires persons engaging in activities that discharge or may discharge contaminants to the natural environment, other than water, to register in the EASR unless one of the criteria set out in subsection 2 (2) of the regulation applies. The criteria are based on a facility's primary North American Industrial Classification System code, as well as other activities that may take place at a facility. If required to register in the EASR, then the requirements set out in the Air Emissions EASR Regulation must be met.

In response to a complaint received by the District Office, the Ministry of the Environment and Climate Change (MOECC) attended the above noted property. You are engaged in activities that have air emissions discharges and that may be required to be registered in the EASR or may require approval under section 9 of the EPA. If your activities are prescribed under Ontario Regulation 1/17, register in the EASR by **Friday, August 31, 2018** and provide a notification of the registration to the undersigned along with a copy of the completed EASR submission form.

MOECC's EASR webpage (www.ontario.ca/page/environmental-activity-and-sector-registry) contains detailed information about EASR regulations, including the Air Emissions EASR Regulation User Guide.

Please call me at (905) 319-7035 with any questions.
Yours truly,

Denise Plourde.

Denise Plourde
Senior Environmental Officer
Halton-Peel District Office

File Storage Number: SI HP OA WY 100

**Ministry of the Environment and
Climate Change**

Central Region
Halton-Peel District Office
300-4145 North Service Rd
Burlington ON L7L 6A3
Fax: (905) 319-9902
Tel: (905) 319-3847

**Ministère de l'Environnement et de
l'Action en matière de changement
climatique**

Direction régionale du Centre
Bureau du district de Halton-Peel
300-4145 North Service Rd
Burlington ON L7L 6A3
Télécopieur: (905) 319-9902
Tél:(905) 319-7035



Via e-mail only

September 22, 2015

Mr. Gabriel Orantes
Owner
Alome Finishing
2172 Wycroft Rd
Oakville, Ontario
L6L 2K1

Dear Mr. Orantes

RE: Environmental Compliance Approval required - 2172 Wycroft Road,
Oakville
Reference Number 6036-9PPPYH

In response to an odour complaint received by the District Office, the Ministry of the Environment and Climate Change (ministry) attended the above noted property and observed a paint spray booth. As discussed, owners of activities that may discharge a contaminant into the natural environment must seek approval from the ministry. Please complete the following:

- By **October 16, 2015**, retain the services of a qualified person to assist in completing an application for an Environmental Compliance Approval (ECA) as required by Section 9 of the Environmental Protection Act, R.S.O. 1990;
- By **October 23, 2015**, provide written confirmation of the chosen qualified person to the undersigned;
- By **January 15, 2016**, submit the completed application with the necessary supporting information along with the appropriate fee for the ECA, to the Director, Ministry of the Environment Approval Access and Service Integration Branch, 135 St. Clair Avenue West, 1st Floor, Toronto, Ontario, M4V 1L5; and
- By **January 15, 2016**, submit a copy of the completed application to the District Office, 4145 North Service Road, Suite 300, Burlington, L7L 6A3.

Please call me at (905) 319-7035 with any questions.

Yours truly,

Denise Plourde.

Denise Plourde
Senior Environmental Officer
Halton-Peel District Office

File Storage Number: SI HP OA WY 100

INCIDENT REPORT

Reference Number:	5087-9PQMHT	File Storage Number:	SI HP OA WY 100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	2460-9PQMRV 
Originating Document:		Created by:	Poul Sondergaard
Incident Report Reference Number:	5087-9PQMHT 		
Date Created:	2014/10/09	Date Completed:	2015/07/02
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Air	Activity:	Approvals - Air/Noise

Is this an **air emission** (measured or modeled) or **wastewater** (sewage) discharge exceedance that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes No To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:		Name of Company:	
<input checked="" type="checkbox"/> Anonymous		Unknown	
Contact Mailing Address			
Civic Address:		Unit Identifier:	
Delivery Designator:		Delivery Identifier:	
Municipality:	Postal Station:	Province/State:	Postal Code:
Oakville		Ontario	
Telephone Number:	Extension:	Other Number:	Email Address:
		Fax	

Reported By:	
--------------	--

MOE Information

Date & Time Reported to MOE:	2014/10/09 12:37		
Office Receiving Incident Report:	Halton-Peel District Office		
Incident Info Received By:	Poul Sondergaard		
MOE Response:	No Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:			
Master Incident Report Number:			

SAC Action Class:			
Non-Standard Procedure:	No		
ERP Call-out Initiated:			

Client(s)

Client Details
Alome Finishing Mailing Address: 2172 Wyecroft Rd, Oakville, Ontario, Canada, L6L 2K1 Physical Address: 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada Telephone: (416)268-3119 Client #: 5390-9PYJ95, Client Type: Corporation

Site(s)

Site Details
2172 Wyecroft Road Address: 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel Site #: 8045-9B3Q92

Incident Information

Incident Summary:	Odour complaint - Paint Booth <i>cannot be longer than 60 characters</i>
Incident Description:	Caller is a delivery driver making a delivery to this commercial multi unit property. Paint/solvent odour is coming from a paint booth exhaust at Unit # 11 and 12. Duty Officer HPDO - Access Environment database search - No ECA (Air) or EASR found for 2172 Wyecroft Road, Oakville. IDS search - No hit for Unit 11 and 12. DP - 1290 Please see incident number 6036-9PPPYH. Close file

Links & Comments:	
Attachments Names:	

Date & Time of Incident	Incident Date Confirmation? Actual 2014/10/08		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:			
Nature of Impact:			
Incident Event:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:		Owner of Material:	
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	%	MOE/Other Agencies Involved:	

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList

Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence}	

Provincial Officer:

Name: Denise Plourde
Badge No: 1290
Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2014/10/10

Signature:


Supervisor:

Name: Tim Webb
Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2015/07/02

Signature:

Jim Scott

INCIDENT REPORT

Reference Number:	6036-9PPPYH	File Storage Number:	SI HP OA WY 100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	6658-9PPQG8 
Originating Document:		Created by:	Nick Fowler
Incident Report Reference Number:	6036-9PPPYH 		
Date Created:	2014/10/08	Date Completed:	2020/10/20
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Air	Activity:	Pollution Incident Reports

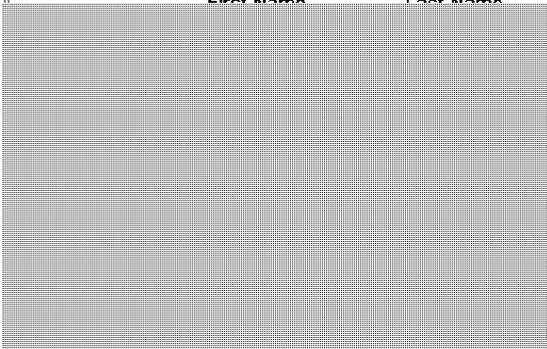
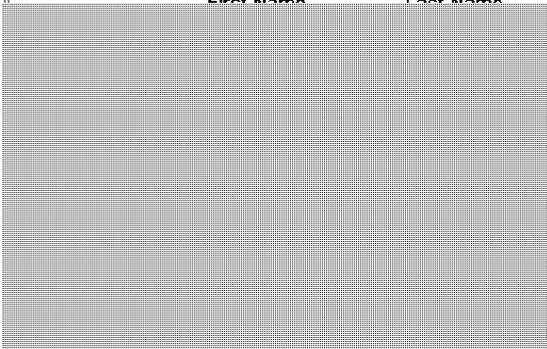
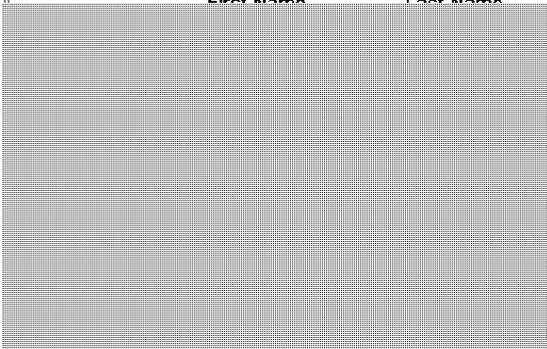
Is this an **air emission** (measured or modeled) or **wastewater** (sewage) discharge exceedance that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes No To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:	Name of Company:				
<table border="1"> <tr> <td>First Name</td> <td>Last Name</td> </tr> <tr> <td></td> <td></td> </tr> </table>	First Name	Last Name			
First Name	Last Name				
					
	Unit Identifier:				
	Delivery Identifier:				
	Province/State:				
	Ontario				
	Postal Code:				
	Other Number:				
	Fax				
	Email Address:				

s.21

Reported By:	
--------------	--

MOE Information

Date & Time Reported to MOE:	2014/10/08 09:55		
Office Receiving Incident Report:	Halton-Peel District Office		
Incident Info Received By:	Nick Fowler		
MOE Response:	Deferred Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2014/10/15 10:40		
Master Incident Report			

Number:			
SAC Action Class:			
Non-Standard Procedure:	No		
ERP Call-out Initiated:			

Client(s)

Client Details
<p>Alome Finishing Mailing Address: Unit 10 - 2172 Wyecroft Rd, Oakville, Ontario, Canada, L6L 6R1 Physical Address: Unit 10 - 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 6R1 Telephone: (416)268-3119 Client #: 5390-9PYJ95, Client Type: Corporation + + + + 2540816 Ontario Inc. Mailing Address: Unit 10-11 - 2172 Wyecroft Rd, Oakville, Ontario, Canada, L6L 6R1 Physical Address: Unit 10-11 - 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 6R1 Telephone: (416)473-2975 Client #: 8449-BTGGL6, Client Type: Corporation</p>

Site(s)

Site Details
<p>2172 Wyecroft Road Address: 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel Site #: 8045-9B3Q92</p>

Incident Information

Incident Summary:	PIR - Possible unauthorized spray booth <i>cannot be longer than 60 characters</i>
Incident Description:	<p>caller suspects that there is no ECA for the spray booth and reports that it is impacting neighbouring units. There are two company names associated with the combined units of #11 and #12. ATD Contracting and The Door Company are the two business names.</p> <p>DP - 1290 Friday, October 10, 2014: 10:43 am: Call the complainant. No answer, unable to leave message.</p> <p>10:56 am: Receive a call from the complainant. I will visit the site one day next week.</p> <p>Wednesday, October 15, 2014: 10:40 am: Arrive at 2172 Wyecroft Road, Unit 10 and speak with Bill. There are no paint booths at his unit. The next unit has a booth. Inquire if he detects any odours from the neighbouring unit, not typically, he does not have any concerns with the neighbouring business.</p> <p>Go to Unit 11 and speak with owner of Alome Finishing, Gabriel Orantes (416) 268-3119. He operates a paint booth a couple days a week. They have been located at the unit for a couple of months. They change the filters every 4 to 6 months. They construct kitchen cabinets. Inform Gabriel he is required to apply for an ECA. Provide a print out of information from the ministry's website regarding approvals. His email address is gorantes89@cloud.com.</p> <p>Friday, October 17, 2014: 11:09 am: Call Gabriel and discuss timelines. The booth was installed in February or March of this year.</p>

Wednesday, October 22, 2014:
 9:31 am: Receive a call from the complainant. Provide an update.

Thursday, July 2, 2015:
 2:38 pm: Call Gabriel and leave a message.

Thursday, August 6, 2015:
 3:02 pm: Call Gabriel and leave a message.

3:20 pm: Receive a call from Gabriel. He has obtained a permit for fire prevention. He has not obtained an approval from the ministry. I will send him a letter.

Tuesday, September 22, 2015:
 Email a letter to Gabriel.

Wednesday, May 16, 2018:
 8:29 am: Call Gabriel. The booth vents to the atmosphere. He did not apply for an approval. Inform him of the new registry that he may be eligible for. I will send him an email. Provide a compliance timeline of three months.

9:13 am: Email a letter to Gabriel.

Monday, November 26, 2018:
 9:24 am: Call Gabriel. Leave a message and request an update.

Search Access Environment: EASR R-010-8111335038 was registered on May 22, 2019. See attachments.

Close file

Links & Comments:	
Attachments Names:	1000042137-EASR_confirmation.pdf; 15Oct-81.JPG; 15Oct-82.JPG; 790Z- Emission Summary Table Alone Paint Spray Booth EASR 022619.pdf

Date & Time of Incident	Incident Date Confirmation? Estimated 2014/10/08						
Source Type:		Sector Type:					
Nearest Watercourse:		Watershed Category Code:					
Environmental Impact:							
Nature of Impact:							
Incident Event:		Incident Reason:					
Damaged Party:	No						
Contaminants Table							
	Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]
Controller of Material:		Owner of Material:					
Estimated Clean Up Cost:		Who Cleaned Up:					
% Clean Up:	%	MOE/Other Agencies Involved:					

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
VA	6C36-9PPPYH	To apply for an ECA. Note: Regi ...	2C16/01/15	2019/05/22

Offence(s)

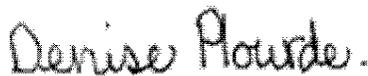
Suspected Violation(s)/Offence(s):
Act - Regulation - Section, Description {General Offence}

Provincial Officer:

Name: Denise Plourde
Badge No: 1290

Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2020/09/16

Signature:



Issues Project Coordinator:

Name: Steven Allingham

Work Unit:
District/Area Office:
Date: 2020/10/20

Signature:



Ministry of the Environment

Central Region
Halton-Peel District Office
300-4145 North Service Rd
Burlington ON L7L 6A3
Fax: (905)319-9902
Tel: (905) 319-7035

Ministère de l'Environnement

Direction régionale du Centre
Bureau du district de Halton-Peel
300-4145 North Service Rd
Burlington ON L7L 6A3
Télécopieur: (905)319-9902
Tel:(905) 319-7035



October 24, 2013

Li Cui
StoneHouse
2172 Wyecroft Rd, Unit 20
Oakville, Ontario
L6L 6R1
stonehouseburlington@yahoo.ca

Dear Ms. Cui

RE: Dust complaint – 2172 Wyecroft Road, Unit 20, Oakville
Reference Number 4510-9AELZ2

This letter is a follow-up to my August 20, 2013 site visit to the above noted property. I understand that you are the co-owner of StoneHouse.

The visit was conducted in response to reports of dust complaints received by the Ministry of the Environment. During the visit, I observed dust being generated by employees grinding marble counter tops inside the Stonehouse unit. Two overhead bay doors were open and dust emissions travelled outside the unit with the potential to cause an adverse effect, as defined in the Environmental Protection Act (EPA), R.S.O. 1990. I also observed two large portable floor fans located inside the unit, near the grinding operations. One of the fans was located approximately 7 feet from the open bay door and was blowing air towards the door.

I reasonably believe that StoneHouse is in violation of section 14 of the EPA which states that,

"14. (1) ... a person shall not discharge a contaminant or cause or permit the discharge of a contaminant into the natural environment, if the discharge causes or may cause an adverse effect."

An adverse effect may include harm or material discomfort to any person, an adverse effect on the health of any person, or interference with the normal conduct of business.

In addition, Stonehouse is in violation of Section 9 (1)(a) of the EPA, which states that,

"9. (1) ... no person shall, except under and in accordance with an environmental compliance approval, use, operate, construct, alter, extend or replace any plant, structure, equipment, apparatus, mechanism or thing that may discharge or from which may be

discharged a contaminant into any part of the natural environment other than water.”

During the visit, we spoke by telephone where I informed you of the complaint received and of the violation while you indicated that you would keep the bay doors closed moving forward. I subsequently attended the site on September 5 and 10, 2013 and observed dust escaping your unit through an open bay door on both occasions. During a second telephone conversation on October 4, 2013, we again discussed the preventative measure of keeping the doors closed. Additionally, you informed me that you will be installing a dust collector which will vent to the inside of the building and will be installed in approximately three months. You also indicated that you are committed to keeping the ministry updated.

Until such time that a dust collection system is proven effective in mitigating dust emissions, StoneHouse is required to immediately take steps to control dust emissions from the above noted property, including but not limited to: keeping the bay doors closed (other than during emergencies or when equipment/material is moved, provided no emissions will be discharged to the natural environment), ceasing any cutting, grinding or other dust producing activities outdoors and improving housekeeping (daily removal of dust outside and inside the unit).

Failure to adhere to these measures or to allow repeat violations of section 14 of the EPA may result in further mandatory abatement actions, which may include a requirement to obtain an approval under section 9 of the EPA.

Should you have questions with regard to this letter, please contact the undersigned at (905) 319-7035.

Yours truly,



Denise Plourde
Senior Environmental Officer
Halton-Peel District Office

File Storage Number: SI HP OA WY 100

INCIDENT REPORT

Reference Number:	8512-6MBHWZ	File Storage Number:	SI HP CA WY 100
Module:	Incident Reporting	Module Type:	Legislation Non-Compliance
Cross Reference:	(doc link)	Task Link:	7708-6MBHZG
Originating Document:		Created by:	Dorienne Cushman
Date Created:	2006/02/24	Date Completed:	2006/03/07
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Air	Activity:	Approvals - Air/Noise

Is this an **air emission** (measured or modelled) or **wastewater (sewage) discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:		Name of Company:	
First Name	Last Name	MOE Environmental Assessment and Approvals Branch	
Aziz	Ahmed		
Contact Mailing Address			
Civic Address:		Unit Identifier:	
2 St. Clair Avenue West			
Delivery Designator:		Delivery Identifier:	
Municipality:	Postal Station:	Province/State:	Postal Code:
Toronto		Ontario	M4V 1L5
Telephone Number:	Extension:	Other Number:	Email Address:
(416)314-7009			

Reported By:	
--------------	--

MOE Information

Date & Time Reported to MOE:	2006/02/21 12:00		
Office Receiving Incident Report:	Halton-Peel District Office		
Incident Info Received By:	Dorienne Cushman		
MOE Response:	No Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:			
Master Incident Report Number:			
SAC Action Class:			
Non-Standard Procedure:	No		

ERP Call-out Initiated:

Client(s)

Client Details

Genieye Systems Inc.
Mailing Address: 14-15 - 2172 Wycroft Road, Oakville, Ontario, Canada, L6L 6R1
Physical Address: Concession: , Plan: , 14-15 - 2172 Wycroft Road, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 6R1
Telephone: (905)469-2689, FAX: (905)469-0293
Client #: 5290-6FUQSL, Client Type: Corporation

Site(s)

Site Details

Genieye Systems
Address: Concession: , Plan: , 14-15 - 2172 Wycroft Road, Oakville, Town, Regional Municipality of Halton, L6L 6R1
District Office: Halton-Peel
Site #: 6164-6FUQTH

Incident Information

Incident Summary:

Genieye: operating equip no CofA
cannot be longer than 60 characters

Incident Description:

In the cover letter from EAAB with the issuance of a CofA (air) for the above company, EAAB notes that the equipment was operating prior to receiving the CofA.
Leg violation, but CofA issued showing equip can meet our standards, NTF.

Attachments, Links & Comments:

Date & Time of Incident

2006/02/24

Source Type:

Sector Type:

Nearest Watercourse:

Watershed Category Code:

Environmental Impact:

Not Anticipated

Nature of Impact:

Incident Cause:

Incident Reason:

Damaged Party:

No

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:		Owner of Material:	
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	%	Agencies Involved:	

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> To be determined
--	---------------------------	--------------------------	--

Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
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Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence} 1) Environmental Protection Act - EPA - 9 (1) (a), No person shall, except under and in accordance with a certificate of approval issued by the Director, construct, alter, extend or replace any plant, structure, equipment, apparatus, mechanism or thing that may discharge or from which may be discharged a contaminant into any part of the natural environment other than water. {185 (1)}	

Provincial Officer:

Name: Dorienne Cushman
 Badge No: 252

Work Unit:

District/Area Office: Halton-Peel District Office
 Date: 2006/02/24

Signature:

District Manager:

Name: Tracey Goodwin

Work Unit:

District/Area Office: Halton-Peel District Office
 Date: 2006/03/07

Signature:

INCIDENT REPORT

Reference Number:	4510-9AELZ2	File Storage Number:	SI-HP-CA-WY-100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	6452-9AEMD6 
Originating Document:		Created by:	Elizabeth Chee Sing
Incident Report Reference Number:	4510-9AELZ2 		
Date Created:	2013/08/09	Date Completed:	2018/06/11
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Air	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modelled) or **wastewater (sewage) discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

s.21

	Name of Company:	
	Unit Identifier:	
	Delivery Identifier:	
	Province/State:	Postal Code:
	Ontario	
Phone Number:	Email Address:	
(5)901-0167 Cell		

MOE Information

Date & Time Reported to MOE:	2013/08/09 12:07		
Office Receiving Incident Report:	Spills Action Centre		
Incident Info Received By:	Elizabeth Chee Sing		
MOE Response:	Deferred Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2013/08/20 12:48		
Master Incident Report Number:			

SAC Action Class:	Pollution Incident Reports (PIRs) and "Other" calls		
Non-Standard Procedure:	No		
ERP Call-out Initiated:	No		

Client(s)

Client Details
<p>StoneHouse Mailing Address: 2172 Wyecroft Rd, Oakville, Ontario, Canada, L6L 6R1 Physical Address: 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada Telephone: (416)887-1958 Client #: 3459-9B3Q6G, Client Type: Corporation</p>

Site(s)

Site Details
[Redacted]

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Incident Information

Incident Summary:	Dust complaint <i>cannot be longer than 60 characters</i>
Incident Description:	<p>[Redacted] s finishing granite countertops outside and the dust is impacting their property. Caller reports they are not able to keep their doors open and is concerned about silica exposure. Caller reports if the company is not doing the work outside, they work near the doors to their unit and use fans to blow the dust outside. Caller reports there is no dust collection system and recently the company has been using misters to help with dust control but there is still dust migrating off-site. Caller reports the dust was much worse before they began complaining to the landlord and Town by-law. Caller was referred to the MOE.</p> <p>[Redacted]</p> <p>DP - 1290 Tuesday, August 20, 2013: 12:48 pm: Arrive onsite and meet the complainant. Every day the neighbouring company uses fans to blow dust air out of their unit. They moved in a year and a half ago. At the beginning they didn't have many customers, now they're busier. He also contacted city by-law and the landlord. The dust is also an issue in the winter. They have no filtration system.</p> <p>Go to unit 20 and speak with William Lee. Observe dust blowing from the unit and observe wind spreading the dust outside. William calls Li Cui, Sale Manager. Inform Li that they cannot blow dusty air outside. Inform her of EPA requirements, the definition of a contaminant and adverse effect. Li will keep the two back bay doors closed. The doors are closed.</p> <p>4:56 pm: Email sent by the complainant.</p> <p>Wednesday, August 21, 2013: 4:34 pm: Message left by the complainant. Did I receive [Redacted] email?</p> <p>Tuesday, August 27, 2013: 3:00 pm: Receive a call from the complainant. The doors have not been kept closed. I will attend the site tomorrow.</p> <p>Wednesday, August 28, 2013: 9:30 am: Arrive onsite with EO Leah Noordhof and speak with William. They haven't started their operations for the day. The bay doors are closed. They don't have specific hours of operation. A door may be open for a half hour</p>

s.21

while they are loading. No dust observed.

2:54 pm: Call the complainant. No answer and no answer machine.

4:10 pm: Message left by the complainant. He missed my call.

Thursday, August 29, 2013:

1:55 pm: Arrive onsite. Two of 3 bay doors are open. No operations. The employees are sitting outside eating. No dust is observed.

Wednesday, September 4, 2013:

1:01 pm: Message left by the complainant. The neighbour is closing their doors but are leaving a foot and a half open at the bottom. They are wide open now.

Thursday, September 5, 2013:

1:08 pm: Arrive onsite. Both bay doors are open. William isn't onsite. Employees are grinding inside. Speak with Jackie and he closes the doors. Inform him that if they generate dust, they must keep the doors closed.

Tuesday, September 10, 2013:

12:22 pm: Arrive onsite. One bay door is half open, observe some dust escaping. Upon my arrival, an employee closes the door. Product is being loaded at the other bay door and no dust is escaping. Speak with William. They will keep the doors closed when not in use.

Monday, September 16, 2013:

2:44 pm: Call the complainant and provide an update. He hasn't noticed any improvements with the dust. Sometimes the door is partially closed.

3:02 pm: Call Li of StoneHouse, no answer.

3:11 pm: Receive a call from Li and Jeff who is a driver for the company. Inform her of my site visits. I have observed the door partially open with dust escaping. There is a dispute between them and the complainant. Inform them that they must prevent dust from escaping from their business into the atmosphere.

Wednesday, September 18, 2013:

10:55 am: Arrive onsite and both bay door are closed. No dust observed.

Tuesday, September 24, 2013:

11:01 am: Arrive onsite and both bay doors are open. Employees are grinding inside the unit. No dust is observed escaping the unit. An employee closes one of the doors. The other door is being used to load product. William and Li aren't onsite. Speak with Ho. Ho indicates that much of what the complainant is observing is mist. They apply water as they grind the marble.

Speak with the complainant and provide an update. View videos that the complainant has recorded.

Thursday, October 3, 2013:

5:03 pm: Receive a message from Li. She's looking into dust collectors.

Friday, October 4, 2013:

8:38 am: Call Li. It will take them two to three months to have the collector built and installed. Li is the co-owner. Discuss the door closing procedure.

Friday, November 29, 2013:

1:20 pm: Arrive at StoneHouse. All the bay doors are closed.

Friday, April 11, 2014:

9:10 am: Arrive at StoneHouse and observe one bay door open. No work observed, no dust escaping the unit.

11:20 am: Call Li Cui (416) 887-1958. She hasn't purchased the dust collector yet. It's a big expense for their company and they are on a tight budget. They plan to install a dust collector sometime next year. The Ministry will provide time for the company to install the equipment as long as there are no dust issues. I will do periodic checks. Inform Li that I checked the site today and didn't observe any dust. She isn't always on site. Now that it's spring, she will review the door closing procedure with employees again.

Friday, January 23, 2015:

11:02 am: Call Li Cui, no answer and unable to leave a message.

11:22 am: Receive a call from Li. Business is slow right now and they are struggling. They will install the dust collector when they have extra funds. Explain that it's up to the company if they install the equipment or not. What is required is that they prevent dust from leaving their unit. They cannot operate with their doors open.

Wednesday, May 16, 2018:
 7:59 am: Call Li and leave a message. Did they install a dust collector?
 9:50 am: Receive a call from Li. They didn't install a dust collector. They operate with a different machine and use the wet cutting method. Inform her that the ministry hasn't received any recent complaints. Nonetheless, they cannot allow dust to escape from their unit. Review the door closing procedure.
 Close file

Links & Comments:	
Attachments Names:	20130820-23.JPG; 20130820-25.JPG; 20180820-26.JPG

Date & Time of Incident	Incident Date Confirmation? Actual 2013/08/09		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:	Possible		
Nature of Impact:	Air Pollution, Human Health/Safety		
Incident Event:		Incident Reason:	
Damaged Party:	No		

Contaminants Table							
Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]	
DUST	32	n/a			other - see incident description	n/a	

Controller of Material:	Stonehouse Granite	Owner of Material:	Stonehouse Granite
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	0 %	MOE/Other Agencies Involved:	Province - MOE-District Office

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
VA	4510-9AELZ2	To review the door closing proc ...	2014/04/11	2014/04/11

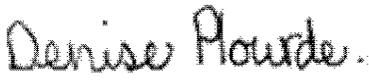
Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence}	

Provincial Officer:

Name: Denise Plourde
Badge No: 1290

Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2018/05/16

Signature: 

Senior Environmental Officer:

Name: Leah Noordhof

Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2018/06/11

Signature: 

INCIDENT REPORT

Reference Number:	3186-7EFLC5	File Storage Number:	SI-HP-CA-WYE-100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	8758-7EFLH7 
Originating Document:		Created by:	Matthew Dmytrenko
Incident Report Reference Number:	3186-7EFLC5 		
Date Created:	2008/05/08	Date Completed:	2009/02/03
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Waste - Hazardous & Liquid industrial	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modelled) or **wastewater** (sewage) **discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:		Name of Company:	
<input checked="" type="checkbox"/> Anonymous		MOE TIPS	
Contact Mailing Address			
Civic Address:			Unit Identifier:
Delivery Designator:			Delivery Identifier:
Municipality:	Postal Station:	Province/State:	Postal Code:
Oakville		Ontario	
Telephone Number:	Extension:	Other Number:	Email Address:

Reported By:	
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MOE Information

Date & Time Reported to MOE:	2008/05/08 11:35		
Office Receiving Incident Report:	Spills Action Centre		
Incident Info Received By:	Matthew Dmytrenko		
MOE Response:	Planned Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2008/05/09		
Master Incident Report Number:			

SAC Action Class:	Illegal Dumping Occurrences
Non-Standard Procedure:	No
ERP Call-out Initiated:	No

Client(s)

Client Details
<p>The tree specialist Inc. Mailing Address: Unit 23 - 2172 Wycroft Rd, Oakville, Ontario, Canada, L6L 5V6 Physical Address: Unit 23 - 2172 Wycroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 5V6 Telephone: (905)469-1717 Client #: 3666-7ENLKS, Client Type: Corporation</p>

Site(s)

Site Details
<p>The tree specialist Inc. Address: Unit 23 - 2172 Wycroft Rd, Oakville, Town, Regional Municipality of Halton, L6L 5V6 District Office: Halton-Peel Site #: 8269-7ENLNF</p>

Incident Information

Incident Summary:	TIPS: green sludge dumped in swamp <i>cannot be longer than 60 characters</i>
Incident Description:	<p>1120 – 2172 Wycroft Rd. (Tree company dumping sludge into the swamp behind facility) dumping green 'sludge' White truck (round tank on back) some tree cutting specialist. End of day around 1500, also noticed at 1000 today. Unsure of what the substance may be but notes that caller suspects it is the material placed around trees to kill them.</p> <p>1129 – SAC to Region of Halton (Spills Response Unit – Dispatch) – briefed, will get someone from Halton Spills Response to check out the scene and contact SAC back to apprise of initial observations.</p> <p>1303 – Region of Halton (Henry) – notes that Region does not have jurisdiction on the area as it is deemed private property. SAC noted that the area described is adjacent to private property. Region will defer incident to the city of Oakville for follow-up. SAC requests that the city follow-up with HPDO on the matter.</p> <p>1400 – Bill (city) - Green stuff (turns white with water) from unit 23 (the Tree Specialist, contact Adam Schmidt, 905-469-1717) City called property management. Safety Kleen is coming to the site hired on by property management. Dumped material is reported to be Fertilizer for trees (NPK Ratio 30-8-8), reported to be residual from the tanks of the Tree Specialist. Contact at Tree Specialist noted that the cleaning of the tanks in this manner is considered to be normal practice by the Company. Swamp flows in to ditch parallel to Wycroft, ditch also has impacts noted. Ditch impacts also to be addressed by cleanup contractor. City to respond back to the site this evening, will keep SAC apprised of cleanup once he arrives back on site.</p> <p>1405 – SACmd to HPDO (Tracey Hart) – briefed on incident, noted normal business practices reported by City.</p> <p>18:31 Wesley Hicks, Team Hazco, (905) 570-3488 to sac (kh) – reports that he has finished cleaning up the puddles and liquid portion of the spill (fertilizer). He vacuumed the catch basins, washed the pavement their hoses and sucked up the material and vacuumed the puddles. All that remains is staining in the soil. The landlord will be excavating that portion out tomorrow.</p> <p>-> SACmd requested caller transfer from SAC(kh)</p> <p>1834 – Team Hazco (aka Team-1) Wesley Hicks to SACmd – caller notes that he addressed the liquid portion of the spill in the grassy swale and adjoining ditch. Notes that the solid portion of the spill will be addressed by Property Owner JW Bezemer (Jim) 905-304-9570 who will be excating tomorrow himself. Caller had no info on licensed hauler retained, caller notes that he was not retained to haul the solid portion of waste. Caller notes that he walked down the roadside ditch to nearest CB and oufall, noting no signs of impingement. Caller further details that a CB outside of unit 23 (the Tree Specialist occupied unit) showed signs of impact (thin trail leading from the unit down to the CB,</p>

residue around the CB) CB was pumped out by caller as well. City Rep Doug MacDonald will be attending the site tomorrow to ensure that swale has been addressed to city's satisfaction.

EGN issued by SACmd.

NFAR by SAC.

Tracy Hart:

May 9th, 2008 attended the site. 2172 Wyecroft Rd is an commercial complex, at the back of the complex there is a grassy area and then train track. At the south west position of the property there is a swale that drains surface water into the grassy area. Greenish white stain could be seen in this swale. No pooling was noticed, grass was green. no impacts to the environment were noticed.

Went to unit 23 (east side of complex). Unit houses two separate business, the Tree specialist and True Green. Spoke to Adam Schmidt and Karen Carnevale. Karen and David Carnevale are the owners. I was told that the company applies fertilizers and at times some pesticides. # employees have their pesticide applicators licence. The company uses one truck for their applications. Truck has a 300 gallon tank in the front that holds the product and a 500 gallon tank in the back that holds water. The tank gets cleaned out anytime they switch from fertiliser to dormant spray (pesticide). Common practice was to wash the truck out and dump leftover in the back of property. When they go from using a pesticide to a fertilizer they do not wash out the tank.

It was explained to them that they cannot dump waste in the natural environment. They will need to come up with another way of disposing of the wash water.

Property owner is in the process of getting someone to clean out the swale in the back, he wants to put in a swale to help drain the runoff from he parking lot.

Karen is to immediately cease discharging wash water into the environmental and submit to me a plan as to how they will handle wash water in the future.

May 12th. Received email report from Karen, wash water will be placed in a 45 gallon drum and then put back in to the truck when they will be spraying fertilizer. No waste will be generated.

No further action at this time.

Attachments, Links & Comments:

Date & Time of Incident	Incident Date Confirmation? Actual 2008/05/08 10:00		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:			
Nature of Impact:			
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:				Owner of Material:			
Estimated Clean Up Cost:				Who Cleaned Up:			
% Clean Up:		%		Agencies Involved:			

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
VA	3186-7EFLC5	Submit plan	2008/05/15	2008/05/12

Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description (General Offence)	

Waste/EGR Information

Description of Incident Location:	grassy swale and ditch outside property		
EGR Number:	ONS0305		
Reason for EGR Issue:	Spill		
Waste Specification:			
Class Name - Class Code - Hazard Description - Quantity [Units] - Physical State, Description Chemical fertilizer wastes~147~~700~L~Liquid~Solutions, sludges and residues containing ammonia, urea, nitrates and phosphates from nitrogen fertilizer plants~			
Manifest No:	RU62526-7		
Waste Site Name (Receiver):	Team-1 Environmental Services Inc.	Waste Site CofA (Receiver):	3837-5PYQTT
Waste Management System Client Name (Carrier):	Team-1 Environmental Services	Waste Management System CofA No (Carrier):	A841522

EGR APPROVED BY:

Name: Matthew Dmytrenko
Date: 2008/05/08

Provincial Officer:

Name: Tracy Hart
Badge No: 1045

Work Unit:

District/Area Office: Ottawa District Office
Date: 2009/03/02

Signature:

A handwritten signature in black ink that reads "Tracy Hart". The signature is written in a cursive style with a large, looped 'T' and 'H'.

District Manager:

Name:

Tracey Goodwin

Work Unit:

District/Area Office:

Halton-Peel District Office

Date:

2009/02/03

Signature:

INCIDENT REPORT

Reference Number:	2018-8LQJ8G	File Storage Number:	SI-HP-CA-WY-100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	1135-8LQJDY
Originating Document:		Created by:	Diana Smith
Incident Report Reference Number:	2018-8LQJ8G		
Date Created:	2011/09/15	Date Completed:	2012/02/08
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Water - Ground & Surface	Activity:	Pollution Incident Reports

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:		Name of Company:	
First Name	Last Name	Town of Oakville	
Frank	Price		
Contact Mailing Address			
Civic Address:			Unit Identifier:
Delivery Designator:			Delivery Identifier:
Municipality:	Postal Station:	Province/State:	Postal Code:
Oakville		Ontario	
Telephone Number:	Extension:	Other Number:	Email Address:
(905)845-6601	3983	Fax	

Reported By:	
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MOE Information

Date & Time Reported to MOE:	2011/09/15 09:48		
Office Receiving Incident Report:	Spills Action Centre		
Incident Info Received By:	Diana Smith		
MOE Response:	Deferred Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2011/09/27 14:00		
Master Incident Report Number:			

SAC Action Class:	Pollution Incident Reports (PIRs) and "Other" calls		
Non-Standard Procedure:	No		
ERP Call-out Initiated:	No		

Client(s)

Client Details
<p>Wycroft Ventures Corporation Mailing Address: 262 Foxridge Dr Ancaster, Hamilton, Ontario, Canada, L9G 4R9 Physical Address: 262 Foxridge Dr Ancaster, Hamilton, City, Ontario, Canada Telephone: (905)304-9570 Client #: 0472-8M6NRG, Client Type: Corporation Additional Address Info: Ancaster</p>

Site(s)

Site Details
<p>2172 Wycroft Rd<UNOFFICIAL> Address: Lot: , Part: , 2172 Wycroft Rd., Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel</p>

Incident Information

Incident Summary:	Wycroft Complex - Possible diesel/gas spill to grass <i>cannot be longer than 60 characters</i>
Incident Description:	<p>Caller reports that he was onsite yesterday at 2172 Wycroft Road and there was a strong odour of diesel or gasoline at the facility. Upon further investigation he found an area of dead grass and some shrubbing material was also dead. The odour was the strongest in that area as well. The area is fenced off and from the aerial photos it looks like it is contained to the one property. Caller has pictures of the area that were taken yesterday. There were plastic jerry cans located on the one side of the dead grass area.</p> <p>There are 3 buildings on the site with a number of units within each building Complex owner - Wycroft Ventures Corporation, 262 Foxridge Drive, Ancaster, L9G 4R9 (no contact name or phone number available). Caller spoke with HP MOE (Denise Plourde) on Sept 15, 2011</p> <p>Copy to TSSA</p> <p>DP -1290 Thursday, September 15, 2011: 9:33 am: Receive a call from Frank Price with the Town of Oakville. He conducted a letter of credit inspection at 2172 Wycroft Rd yesterday. He observed an area of dead grass and detected a gasoline odour. The triangular area measured about 8 feet in width at the widest point and 20 feet in length. The area is on and off-site. He will email info.</p> <p>Conduct a file search. There are a number of businesses at this address.</p> <p>10:29 am: Receive an email from Frank. See attachments</p> <p>11:43 am: Call Frank. Which company uses the compound for storage? He believes the compound may be shared.</p> <p>1:21 am: Email IRC.</p> <p>Friday, September 16, 2011 4:42 pm: Receive the land registry information and the corporation profile from IRC. It appears from the map provided that the area of dead grass is located on-site and not on the neighbouring GO Station property.</p>

Tuesday, September 27, 2011:

2:00 pm: Arrive on-site and observe two areas located in the back parking lot enclosed by a chain link fence. The areas are located near the NE perimeter, bordering the GO Station. Observe a patch of dead grass between the fence and the GO Station. No odours detected. Meet James Cook, owner of Essential Flat Roofing of unit 16. His company uses one of the storage areas. The other area was used by a landscaping company who are no longer leasing a unit. They used the area to store materials, including salt. James recalls that a contractor retained by the property owner stored materials such as concrete abutments on the grassy area. James believes that the grass died as a result of the storage or maybe the salt. Take photos.

Wednesday, September 28, 2011:

10:34 am: Call the property owner Jim Bezemer (905) 304-9570. The fenced in storage areas are used by tenants. One area is used by a roofing company and the other was used by a landscape company who no longer lease a unit. The landscape company stored supplies and materials such as mulch and salt. The salt was stored in a container. Materials and a sea container were stored near the fence for about a year. He is unaware of any on-site spills. No waste or chemicals are stored in that area. Notify the owner that he cannot allow contaminants from his property to be disposed onto a neighbouring property. He will call his on-site contact to assess the dead grass area. He doesn't recall a patch of dead grass.

10:53 am: Receive a message from Jim. He spoke to his on-site contact. The sea container was stored where the dead grass is located. He believes this is the cause of the dead grass.

11:38 am: Call Frank Price with the Town and provide an update. Notify Frank that the dead grass area is located on-site.

Close file

Links & Comments:	
Attachments Names:	2172 Wycroft Prop Owners.pdf; CorporationProfile .pdf; DSCN0936.JPG; DSCN0937.JPG; Email15Sept2011.htm; LandRegistryInfo.pdf

Date & Time of Incident	Incident Date Confirmation? Estimated 2011/09/14		
Source Type:	Other	Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:	Possible		
Nature of Impact:	Soil Contamination, Vegetation Damage		
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:		Owner of Material:	
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	%	Agencies Involved:	

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
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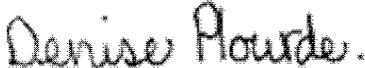
Offence(s)

Suspected Violation(s)/Offence(s):
Act - Regulation - Section, Description {General Offence}

Provincial Officer:

Name: Denise Plourde
Badge No: 1290

Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2011/09/29

Signature: 

Senior Environmental Officer:

Name: Ken Simmons

Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2012/02/08

Signature: 

COMMENT / MEMORANDUM TO FILE**Memo Details**

Date:	2008/05/12
Module	Incident Reporting Main Document Reference Number: 3186-7EFLC5
Client:	
Site(s):	
Subject:	Update on Spill.
Created by:	Neil Hamilton
File Storage Number:	

@ 1112hrs caller (Doug Macdonald, 905/845-6601,ext 3332) reports to SAC(NH) that he has gone out to the spill site and it is cleaned up and caller reports that the clean up contractors did a very good job.

INCIDENT REPORT

Reference Number:	5106-82WMFA	File Storage Number:	SI-HP-CA-WY-100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	7024-82WMGU 
Originating Document:		Created by:	Denise Plourde
Incident Report Reference Number:	5106-82WMFA 		
Date Created:	2010/02/22	Date Completed:	2010/12/30
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Air	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modelled) or **wastewater** (sewage) **discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

s.21

Reported By:

MOE Information

Date & Time Reported to MOE:	2010/01/21 12:40		
Office Receiving Incident Report:	Halton-Peel District Office		
Incident Info Received By:	Denise Plourde		
MOE Response:	Deferred Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2010/02/23 10:15		
Master Incident Report Number:			

SAC Action Class:			
Non-Standard Procedure:	No		
ERP Call-out Initiated:			

Client(s)

Client Details
<p>New West Gypsum Recycling (Ont.) Inc. Mailing Address: 2182 Wyecroft Rd, Oakville, Ontario, Canada, L6L 5V6 Physical Address: 2182 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 5V6 Telephone: (905)847-0520, FAX: (905)847-0522, email: oakville@nwgypsum.com Client #: 5629-6VCQKK, Client Type: Corporation</p>

Site(s)

Site Details
<p>New West Gypsum Address: 2182 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel LIO GeoReference: Zone: 17, UTM Easting: 603143.7, UTM Northing: 4807776.5, Latitude: 43.415783, Longitude: -79.725945 Site #: 2702-6VCQSP</p>

Incident Information

Incident Summary:	Dust complaint <i>cannot be longer than 60 characters</i> s.21
Incident Description:	<p>Thursday, January 21, 2010: 12:40 pm: Receive a message regarding dust from the [REDACTED]. The caller reports that the company 'pours' dust into the air and some days he can taste it in his mouth. The caller's car is black and on some occasions, the car is white from the dust.</p> <p>Wednesday, January 27, 2010: 8:36 am: Leave a message for the complainant requesting additional information.</p> <p>ids & file search: Dust complaints were received by the District Office in 1992, 2000 and 2006. Waste Disposal Site CofA A210424 was issued in May 1990. According to Condition 2, the company shall install a wheel wash facility and ensure that all truck leaving the site passes through the wheel wash. As per Condition 3, the company shall provide adequate measures for dust from the facility.</p> <p>Tuesday, February 23, 2010: 10:15 am: Arrive on site. -1 degree Celsius, cloudy, light wind. The complainant (neighbouring commercial company) is located to the north of the company. New West Gypsum's processing building is located approx. 40 feet from their property line.</p> <p>Meet site manager Mark Burns. The plant has been in operation since May 1990. Mark has been an employee since this time. The facility is usually open Monday to Friday. Two shifts run from 7 am to 3:30 pm and 3:30 pm to midnight. The company is considering opening on the weekend to provide homeowners a more convenient time to deliver drywall. Currently clients with an account may deliver drywall to the facility between 7 am and 7 pm. The facility employs a staff of nine. Commercial companies are located to the north, south and west. Railway tracks are located to the east. Go Station located to the NE.</p> <p>The Ministry of Labour recently conducted an inspection and sampled the indoor air. There were no exceedances. Request a copy of the results.</p> <p>Drywall waste is delivered to the facility from numerous locations across Ontario. Drywall waste consists of pieces of unused drywall or drywall from the demolition of buildings. Clients are required to test the drywall before arriving</p>

on site. Drywall containing any amount of asbestos is not accepted by the facility. Waste is mainly received from the construction industry and the drywall manufacturing industry. The construction of an average home produces approx. 100 kilograms of drywall waste. The manufacturing of drywall also produces a regular amount of drywall waste.

Once on site, trucks enter the processing building by the front door (south side of the building), unload, exit by the back door (north side of the building), then proceed to the wheel wash before exiting the property. Some drivers of large trucks find it easier to back up after unloading and exit by the front door. Notify Mark that Condition 2 of the CofA states that the company shall ensure that all truck leaving the site passes through the wheel wash. Mark will ensure all trucks, including large trucks pass through the wheel wash.

There are two types of drywall, dry and wet (photo 66). The types are mixed and then the drywall is mechanically separated from the paper. The drywall is returned to a manufacturer for recycling and the paper is composted (off site) (photo 67).

The company samples the final product on a monthly basis. Request a copy of the latest results.

Since the facility has been in operation, the company has received two dust complaints (from neighbouring companies located to the N and E of the facility). No complaints have been received within the last year. Mark recognizes that dust may be an issue on windy days. The back door is always open. The front door is only open when required. Observe the front door open (photo 64) and observe no dust exiting the building.

Every day, there are typically 15 to 30 trucks on site (usually no more than 40). On average, approx. 6 large trucks (53 foot walking floor trailer) unload on a daily basis. The front door may be open for a couple of minutes for each truck. The remaining of the trucks are smaller in size (2 ton trucks). Mark commits to keeping the front door closed as much as possible.

Wednesday, February 24, 2010:

11:09 am: Receive final product sample results from Mark. See attachments. The results show that samples taken in December, January and February contain no asbestos.

2:47 pm: Leave a message for the complainant providing an update.

Friday, February 26, 2010:

10:07 am: Receive a call from the complainant. He has noticed that the door is without a bottom seal and some dust blows under the doors when closed. If I need to contact him, call his cell 905-616-7022.

Tuesday, March 9, 2010:

2:25 pm: Contact Mark Burns. Inquire about the bottom seal of the front door. According to Mark, there are two portions of the bottom seal that are missing. Mark commits to replacing the missing pieces by the end of the week. Request that Mark notify me once the repairs have been completed.

Request a copy of the Ministry of Labour's air sampling results as discussed during the site visit of January 27. Mark will locate and provide.

2:34 pm: Receive a call from Nancy, the company's administrative assistance. She will fax over the air sampling results.

2:59 pm: Receive the results by fax. See attachments.

3:06 pm: Contact the complainant and provide an update. The complainant observed large clouds of dust yesterday blowing from the building. The front door was closed but the strong wind blew the door outwards at 15 to 30 degrees from the building. I will discuss the matter with the company. Anchoring the door to the building may help prevent dust escaping the building.

Wednesday, April 21, 2010:

1:18 pm: Call Mark Burns. He did replace the missing sections of seal on the front door but one section fell off. Mark commits to replacing the section of seal today. Request that he anchor the door to the building. Discuss the analytical results received on March 9. The limit is 10 ppm. If the results are above 10, then the employees are required to wear a mask. All the readings are below 10 (the results range from 1.7 to 9.7), regardless, the employees wear masks.

Friday, April 23, 2010:

11:26 am: Call Mark Burns. He has replaced the seal but hasn't anchored the door yet.

11:39 am: Call the complainant and provide an update. I will contact him after the company anchors the door.

Thursday, May 6, 2010:

11:10 am: Receive a call from Mark of New West. The door has been anchored.

Thursday, July 22, 2010:

10:28 am: Call the complainant. I am on site today sampling. According to the complainant, today is not an ideal day to sample his car. He just returned from a business trip and his car has been parked at the airport.

Thursday, August 12, 2010:
 10:06 am: Receive a call from the complainant. He noticed the front door was open today. I will contact him when I receive the results from the samples taken.

Thursday, August 19, 2010:
 8:52 am: Receive an email from the complainant with photos of the front doors open at New West.

Tuesday, August 31, 2010:
 11:08 am: Receive a message from Mark of New West. Have the analytical results been received?

Wednesday, September 1, 2010:
 10:43 am: Call Mark with New West. Inform Mark that the District Office received a dust complaint on August 19. The District Office has not received the results for the dust sampling.

The company owner has a number of facilities located in different countries. A new technology involving a turbine fan spreading a mist will be installed in a facility in England later this month. According to the builder of the system, it can completely eliminate dust. The system is currently being used in Brantford at a building demolition site and has been reported as being successful. If the company finds the system to be successful at the England facility, the owner will consider installing the system in Oakville as the system will also help reduce costs. Remind Mark that if the system exhausts to the natural environment, a CofA will be required. Mark is under the impression that the system is closed looped. Mark commits to keeping me updated.

Email the complainant back.

Wednesday, September 15, 2010:
 Receive the analytical results for the samples taken in July. See attachments.

Wednesday, September 29, 2010:
 2:34 pm: Call Dan Toner with the lab and leave a message.

Friday, October 15, 2010:
 9:10 am: Receive a call from Dan of the lab and review the results. The ground minerals are basic settable particulate. Samples 1 and 3 don't really show a relation to the source sample.

11:32 am: Call the complainant to discuss the analytical results. The business has moved to Burlington to a larger space.

Close file

Links & Comments:	
Attachments Names:	AnalyticalResults.pdf; Drywall waste - 66.JPG; Front door - 64.JPG; GypsumSamples.pdf; MOL report.pdf; Unloading and paper pile - 67.JPG

Date & Time of Incident	Incident Date Confirmation? Estimated 2010/01/21		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:			
Nature of Impact:			
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table							
Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]	

Controller of Material:		Owner of Material:					
Estimated Clean Up Cost:		Who Cleaned Up:					
% Clean Up:	%	Agencies Involved:					

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
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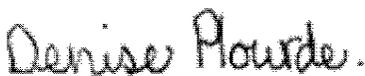
Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence}	

Provincial Officer:

Name: Denise Plourde
 Badge No: 1290

Work Unit:
 District/Area Office: Halton-Peel District Office
 Date: 2010/10/15

Signature: 

District Supervisor:

Name: Kristen Glinka

Work Unit:
 District/Area Office: Halton-Peel District Office
 Date: 2010/12/30

Signature: 

INCIDENT REPORT

Reference Number:	3467-6RLNMK	File Storage Number:	SI-HP-OA-WY-100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	7137-6RLNPR 
Originating Document:		Created by:	Rachel Krisak
Incident Report Reference Number:	3467-6RLNMK 		
Date Created:	2006/07/11	Date Completed:	2006/11/20
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Air	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modeled) or **wastewater (sewage) discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:		Name of Company:	
<input checked="" type="checkbox"/> Anonymous			
Contact Mailing Address			
Civic Address:		Unit Identifier:	
Delivery Designator:		Delivery Identifier:	
Municipality:	Postal Station:	Province/State:	Postal Code:
Oakville		Ontario	
Telephone Number:	Extension:	Other Number:	Email Address:

Reported By:	
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MOE Information

Date & Time Reported to MOE:	2006/07/11 13:32		
Office Receiving Incident Report:	Halton-Peel District Office		
Incident Info Received By:	Rachel Krisak		
MOE Response:	Planned Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2006/07/25		
Master Incident Report Number:			
SAC Action Class:			

Non-Standard Procedure:	No		
ERP Call-out Initiated:			

Client(s)

Client Details
<p>New West Gypsum Recycling (Ont.) Inc. Mailing Address: 2182 Wyecroft Rd, Oakville, Ontario, Canada, L6L 5V6 Physical Address: Concession: , Plan: , 2182 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 5V6 Telephone: (905)847-0520, FAX: (905)847-0522, email: oakville@nwgypsum.com Client #: 5629-6VCQKK, Client Type: Corporation</p>

Site(s)

Site Details
<p>New West Gypsum Address: Concession: , Plan: , 2182 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel Site #: 2702-6VCQSP</p>

Incident Information

Incident Summary:	New West: Caller complains about dust <i>cannot be longer than 60 characters</i>
Incident Description: s.21	<p>Caller complaining about dust from operation beside them. [REDACTED]</p> <p>Claims [REDACTED] car is being coated in dust every day... doors are often open at neighbouring company. Would like to be contacted after officer attends site. Just wants to know if what the company is doing would be considered acceptable.</p> <p>July 25 and a couple times in August. Observed some dust emanating from building through open doorways but cars in adjacent to site were not significantly different closer to New West than farther away. Dust accumulation visible on New West pavement. Higher fugitives when doors open, but staff closed them after truck left.</p> <p>File shows MOE has had particulate filters there before, and levels off-site were ok. Rec for next years inspection plan</p> <p>Caller has not called again.</p>

Attachments, Links & Comments:	
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Date & Time of Incident	Incident Date Confirmation? Actual 2006/07/11		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:	Possible		
Nature of Impact:			
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:		Owner of Material:	
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	%	Agencies Involved:	

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
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Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence} 1) EPA - 14 (1). Despite any other provision of this Act or the regulations, no person shall discharge a contaminant or cause or permit the discharge of a contaminant into the natural environment that causes or is likely to cause an adverse effect. {186 (1)}	

Provincial Officer:

Name: Dorienne Cushman
 Badge No: 252

Work Unit:

District/Area Office: Halton-Peel District Office
 Date: 2006/11/08

Signature:

District Manager:

Name: Tracey Goodwin

Work Unit:

District/Area Office: Halton-Peel District Office
 Date: 2006/11/20

Signature:



Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 8711-4PEL79

Jolly & Associates Consultants Inc.
5360 Cedar Springs Road, RR #3
Campbellville, Ontario
L0P 1B0

Site Location: 2172 Wycroft Road, Unit #24
Oakville Town, Regional Municipality Of Halton

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) evaporator for a silicic acid solution having a capacity of 2273 litres, discharging into the atmosphere at a volumetric flow rate of 1.01 cubic metres per second at an approximate temperature of 90 degree Celsius, through a stack having a diameter of 0.3 metre, extending 2.0 metres above the roof, and 7.5 metres above grade; and
- seven (7) natural gas fired burners serving the evaporator, having a total maximum heat input of 1.29 million kiloujoules per hour, discharging into the atmosphere at a volumetric flow rate of 0.16 cubic metres per second at an approximate temperature of 150 degree Celsius, through a stack having a diameter of 0.25 metre, extending 1.0 metre above the roof, and 7.5 metres above grade;

all in accordance with the application for a Certificate of Approval (Air), and all supporting information dated December 11, 1999 and signed by Colin Jolly.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;
- (3) "Company" means Jolly & Associates Consultants Inc.;
- (4) "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Act;
- (5) "District Manager" means the District Manager, MOE Halton-Peel District Office;

- (6) "Equipment" means the evaporator described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (7) "Facility" means the entire operation located on the property where the Equipment is located;
- (8) "Manager" means the Manager, Technology Standards Section, Standards Development Branch, or any other person who represents and carries out the duties of the Manager as those duties relate to the conditions of this Certificate;
- (9) "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
- (10) "Ministry" means Ontario Ministry of the Environment;
- (11) "Point of Impingement" means any point in the natural environment. The point of impingement for the purposes of verifying compliance with the Act shall be chosen as the point located outside the Company's property boundaries at which the highest concentration is expected to occur, when that concentration is calculated in accordance with the Appendix to Regulation 346 written under the Act, or any other method accepted by the Director;
- (12) "Pre-Test Information" means the information outlined in Section 1 of the Source Testing Code;
- (13) "Source Testing Code" means the Source Testing Code, Version 2, Report No. ARB-66-80, dated November 1980, prepared by the Ministry, as amended; and
- (14) "Source Testing" means sampling and testing to measure emissions resulting from operating the Equipment under conditions which yield the worst case emissions within the approved operating range of the Equipment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

MONITORING

Performance

1. The Company shall ensure that the half hour concentration of silica at a Point of Impingement, resulting from the operation of the Facility, calculated in accordance with Regulation 346, is less than 15 micrograms per metre cube.

Source Testing

2. The Company shall monitor the emissions from and operation of the Plant as follows:

- (1) The Company shall perform Source Testing to determine the rates of emission of silica from the Equipment.
- (2) The Company shall submit, not later than three (3) months after the commencement of operation of the Equipment, to the Manager a test protocol, including the Pre-Test Information for the Source Testing required by the Source Testing Code.
- (3) The Company shall finalize the test protocol in consultation with the Manager.
- (4) The Company shall not commence the Source Testing until the Manager has accepted the test protocol.
- (5) The Company shall complete the Source Testing not later than three (3) months after the Manager has accepted the test protocol.

Notification of Upcoming Source Testing

3. The Company shall notify the District Manager and the Manager, in writing, of the location, date and time of any impending Source Testing required by this Certificate, at least ten (10) business days prior to the Source Testing.

Report on Source Testing

4. The Company shall submit a report on the Source Testing to the District Manager and the Manager not later than two (2) months after completing the Source Testing. The report shall be in the format described in the Source Testing Code, and shall also include:
 - (1) an executive summary;
 - (2) records of all operating conditions; and
 - (3) the results of dispersion calculations in accordance with Regulation 346 indicating the maximum concentration of Silica at the Point of Impingement.

Refusal of Source Testing

5. The Director may not accept the results of the Source Testing if:
 - (1) the Source Testing Code or the requirements of the Manager were not followed; or
 - (2) the Company did not notify the District Manager and the Manager of the Source Testing;
or
 - (3) the Company failed to provide a complete report on the Source Testing.

6. If the Director does not accept the results of the Source Testing, the Director may require re-testing.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to outline the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Facility.
2. Condition Nos. 2 to 6, inclusive, are included to require the Company to gather accurate information so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Appeal Board and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Board. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Appeal Board
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of

Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 25th day of September, 2000

Steve Klose, P.Eng.
Director
Section 9, *Environmental Protection Act*

FC/

c: District Manager, MOE Halton-Peel
Colin S. Jolly, President, Jolly & Associates Consultants Inc.



Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 1511-5GGMD6

Kencro Chemicals Limited
2172 Wycroft Road, Unit #4
Oakville, Ontario
L6L 5V6

Site Location: Kencro Chemicals
2172 Wycroft Road, Unit #4
Oakville Town, Regional Municipality of Halton
L6L 5V6

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) packed bed scrubber, used to control emissions of hydrochloric acid (32% solution) during unloading from truck into storage tank and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- one (1) packed bed scrubber, used to control emissions of either acetic acid (99 % solution) or nitric acid (67 % solution) during unloading from truck into storage tanks and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- four (4) storage tanks for the storage of sodium hydroxide (NaOH) 50% solution, potassium hydroxide (KOH) 45% solution, ferric chloride (FeCl_3) 45% solution, and sulfuric acid (H_2SO_4) 96% solution, respectively, exhausting into the atmosphere with its own vent parameters as outlined in the attached Schedule "A".

All in accordance with the application for a Certificate of Approval (Air) signed by K.G.(Ken) Dunwoody, dated June 24, 2002 and all supporting information. Facsimile transmittal dated December 2, 2002 from Graeme Norval of GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment.

Schedule "A"

This Schedule "A" forms part of the Certificate of Approval (Air).

Source Identifier	Description	Volumetric flow rate (cubic metre per second)	Exit diameter (metre)	Vent height above grade (metre)	Vent height above the roof (metre)
1	NaOH	0.051	0.076	6.4	0.15
1	KOH	0.026	0.076	6.4	0.15
3	FeCl ₃	0.051	0.076	6.4	0.15
3	H ₂ SO ₄	0.051	0.076	6.4	0.15

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Company" means Kencro Chemicals Limited;
- (3) "Certificate" means this Certificate of Approval including Schedule "A", issued in accordance with Section 9 of the Act;
- (4) "Equipment" means the packed bed scrubbers described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provides written instructions to staff of the Company; and
- (6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Facility, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Facility, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices, and as recommended by the Equipment Suppliers;

- (b) emergency procedures;
 - (c) frequency of cleaning of the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Facility and the Equipment;
 - (e) procedures for recording and responding to environmental complaints relating to the operation of the Facility; and
 - (f) all appropriate measures to minimize noise and odorous emissions from all potential sources; and
- (2) implement the recommendations of the Manual.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition, the Company is required to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the Regulations and this Certificate.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

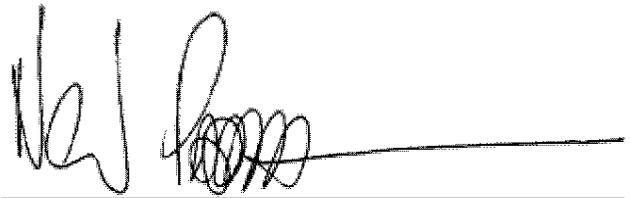
The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 9th day of December, 2002



Neil Parrish, P.Eng.

Director

Section 9, *Environmental Protection Act*

ST/

c: District Manager, MOE Halton-Peel
Graeme Norval, GWN Chemical Consulting Inc.

AMENDED CERTIFICATE OF APPROVAL**AIR**

NUMBER 8440-7ZEPW5

Issue Date: January 25, 2010

Kencro Chemicals Limited
2172 Wyecroft Rd, No. Unit 4
Oakville, Ontario
L6L 5V6

Site Location: Kencro Chemicals
2172 Wyecroft Rd
Oakville Town, Regional Municipality of Halton
L6L 5V6

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) packed bed scrubber, used to control emissions of hydrochloric acid (32% solution) during unloading from truck into storage tank and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- one (1) packed bed scrubber, used to control emissions of either acetic acid (99 % solution) or nitric acid (67 % solution) during unloading from truck into storage tanks and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- four (4) storage tanks for the storage of sodium hydroxide (NaOH) 50% solution, potassium hydroxide (KOH) 45% solution, ferric chloride (FeCl₃) 45% solution, and sulfuric acid (H₂SO₄) 96% solution, respectively, exhausting into the atmosphere with its own vent parameters as outlined in the attached Schedule "A".
- **two (2) storage tanks used for the storage of 12% trade sodium hypochlorite solution**

(10.4 weight percent), exhausting into the atmosphere through a comment vent, identified as source 7, with vent parameters as outlined in the attached Schedule "A".

All in accordance with the application for a Certificate of Approval (Air) signed by K.G.(Ken) Dunwoody, dated June 24, 2002 and all supporting information. Revised ESDM report dated January 9, 2010 from Graeme Norval of GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment. E-mail dated January 20, 2010 from GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment.

Schedule "A"

This Schedule "A" forms part of the Certificate of Approval (Air).

Source Identifier	Description	Volumetric flow rate (cubic metre per second)	Exit diameter (metre)	Vent height above grade (metre)	Vent height above the roof (metre)
1	NaOH	0.051	0.076	6.4	0.15
2	KOH	0.026	0.076	6.4	0.15
3	FeCl ₃	0.051	0.076	6.4	0.15
4	H ₂ SO ₄	0.051	0.076	6.4	0.15
7	Sodium Hypochlorite	0.05	0.10	7.1	0.9

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Company" means Kencro Chemicals Limited;
- (3) "Certificate" means this Certificate of Approval including Schedule "A", issued in accordance with Section 9 of the Act;
- (4) "Equipment" means the packed bed scrubbers described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provides written instructions to staff of the Company; and

(6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Facility, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Facility, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices, and as recommended by the Equipment Suppliers;
 - (b) emergency procedures;
 - (c) frequency of cleaning of the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Facility and the Equipment;
 - (e) procedures for recording and responding to environmental complaints relating to the operation of the Facility; and
 - (f) all appropriate measures to minimize noise and odorous emissions from all potential sources; and
 - (2) implement the recommendations of the Manual.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition, the Company is required to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the Regulations and this Certificate.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 1511-5GGMD6 issued on December 9, 2002

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental

Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

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The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 25th day of January, 2010



Victor Low, P.Eng.
Director
Section 9, *Environmental Protection Act*

ST/
c: District Manager, MOE Halton-Peel

Graeme Norval, GWN Chemical Consulting Inc.



Ministry of the Environment, Conservation and Parks
Operations Division

Confirmation of Registration

Registration Number: R-010-8111335038

Version Number: 001

Date Registration Filed: May 22, 2019 10:57:22 AM

Dear Sir/Madam,

2540816 ONTARIO INC.

2172 Wyecroft Rd Unit 10&11
Oakville ON L6L 6R1

You have registered, in accordance with Section 20.21(1) (a) of the *Environmental Protection Act*, the use, operation, construction, alteration, extension or replacement of any plant, structure, equipment, apparatus, mechanism or thing that is located at the facility noted below, or the alteration of a process or rate of production at the facility, including the activities set out in schedule 'A'.

2172 WYECROFT Road Unit 10,11 OAKVILLE ON L6L 6R1

Please note that the facility noted above is subject to the applicable provisions of O. Reg. 245/11, and O. Reg.1/17.

The activity related information provided during the registration process is included as part of the confirmation of registration as schedule 'A'.

Dated on May 22, 2019

Director
Environmental Approvals Access and Service Integration Branch
Ministry of the Environment, Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto ON M4V 1P5

Any questions related to this registration and the Environmental Activity and the Sector Registry should be directed to:

Ministry of the Environment, Conservation and Parks
Customer Service Representative
Environmental Approvals Access and Service Integration Branch
Phone:(416) 314-8001
Toll free: 1-800-461-6290

Schedule 'A'

Part 3 - Activity Information

3.1 Industry Eligibility Check

- a. Please select the facility's primary North American Industry Classification System (NAICS) code. 337110
-
- b. Does the facility have any other applicable NAICS codes? Yes No
-
- b. i. If yes, please select the facility's secondary NAICS code(s), and confirm any other applicable NAICS code(s).
-
- c. Are you engaged in an activity at the facility that may discharge or from which may be discharged a contaminant into any part of the natural environment other than water? Yes No
-
- d. Is the activity exempt from requiring an Environmental Compliance Approval (ECA) under section 9 (1) of the Environmental Protection Act (EPA) other than an activity that has been prescribed by an EASR regulation under Part II.2 of the Act? Yes No
-
- e. Are the only activities engaged in at the facility, other than activities described in question 3.1d above, prescribed under a single other EASR regulation? Yes No
-
- f. Is an alternative low-carbon fuel site within the meaning of Ontario Regulation (O. Reg.) 79/15 (Alternative Low-Carbon Fuels) operated at the facility? Yes No
-
- g. Is the activity a renewable energy project as defined in the EPA? Yes No
-
- h. Is an end-of-life vehicle waste disposal site within the meaning of O. Reg. 85/16 operated at the facility? Yes No

3.2 Facility Related Information

- a. Has a site-specific air standard ever been set for a contaminant discharged from the facility? (section 35 of O. Reg. 419/05 (Air Pollution -- Local Air Quality)) Yes No
-
- b. Has a person ever been registered in the Ministry's Technical Standards Registry – Air Pollution under section 39 of O. Reg. 419/05 (Air Pollution – Local Air Quality) in respect of the facility? Yes No
-
- c. Do all of the activities to be registered occur exclusively at the site?
Please Note: Discrete activities that involve the use of equipment that is intended to be moved from one site to another to perform the same function (such as the use of mobile rock crushing equipment or mobile PCB destruction equipment) are not prescribed for the purpose of the Environmental Activity and Sector Registry, and an Environmental Compliance Approval may be required. Yes No
-
- d. Is the facility located on a property that has been deemed a single property under subsection 4 (2) of O. Reg. 419/05? Yes No
-
- e. Is the facility located in an area of development control within the Niagara Escarpment Planning Area? Yes No
-
- e. i. If yes, has a development permit required under section 24 of the Niagara Escarpment Planning and Development Act (NEPDA) in respect of the facility been issued? Yes No
-
- f. Is there a landfilling site that is no longer permitted to accept waste for disposal located on the site on which the facility is located? Yes No
-
- g. Is the activity part of an undertaking to which the Environmental Assessment Act applies? Yes No
-
- g. i. If yes, is one or more of the following conditions met:
- All class EA requirements have been completed, including decisions on any Part II order requests; OR
- The facility has received approval to proceed with the undertaking. Yes No
-
- h. Please provide a description of the facility. The description should include a summary of operations and activities at the facility that discharge contaminants, as well as what is produced, if applicable.
The Subject Facility is a wood kitchen cabinet manufacturing company.
-
- i. Please enter the date on which the facility commenced or will commence operations. 2014-02-26

j. Is the facility located in a multi-tenant building? Yes No

3.3 Activity Related Information

a. Does the land disposal of waste as defined in Regulation 347 General – Waste Management occur at the facility? Yes No

b. Does the facility process or dispose of waste by way of thermal treatment, other than the thermal treatment of wood fuel that meets the specifications in Chapter 5 of the EASR publication in a wood-fired combustor? Yes No

c. Does the facility use a wood-fired combustor? Yes No

c. i. If yes, does the wood-fired combustor have a nominal load heat input capacity of less than 3 megawatts? Yes No

c. ii. If yes, was the wood-fired combustor installed at the facility on or after January 31, 2017? Yes No

c. iii. If yes, does the wood-fired combustor exclusively use one or more of the following as fuel:
- Wood chips that meet the specifications set out in Chapter 5 of the EASR publication.
- Wood briquettes that meet the specifications set out in Chapter 5 of the EASR publication.
- Wood pellets that meet the specifications set out in Chapter 5 of the EASR publication. Yes No

d. Does the facility have any plating processes that use cadmium, cyanide, chromium or nickel, including chrome plating, electroplating or electroless plating? Yes No

e. Is an electrolytic stripping process that removes cadmium, chromium or nickel from an object used at the facility? Yes No

f. Are metals processed outdoors at the facility, including torching, shearing, shredding or plasma cutting, other than for the purpose of routine maintenance carried out at the facility on any plant, structure, equipment, apparatus or thing? Yes No

g. Is a fossil-fuel electric power generation facility with a maximum electrical power output capacity equal to or greater than 25 megawatts operated at the facility? Yes No

h. Is a combustion source that uses biogas, biomass, coal, petroleum coke or waste as a fuel, or that uses a fuel derived from biogas, biomass, coal, petroleum coke or waste other than a small wood-fired combustor operated at the facility? Yes No

i. Is a combustion turbine used at the facility? Yes No

Part 4 - Operational Information

4.1 Air

a. Does the EASR Emission Summary and Dispersion Modelling (ESDM) Report provide for modifications that have not yet been implemented at the facility? Yes No

a. i. If yes, please provide the date on which the modifications will be completed.

b. Has an instrument under O. Reg. 419/05 been issued in respect of the facility? Yes No

b. i. If yes, what type(s) of instruments (including any notices, orders or approvals) has (have) been issued? (select all that apply)

ss. 7(1) Specified Dispersion Models

ss. 8(2) Negligible Sources

ss. 10(2) Operating Conditions

ss. 11(2) Refined Emission Rates

ss. 13.1 Value of Dispersion Modelling Parameters

ss. 13(1) Meteorological Data

ss. 14(6) Area of Modelling Coverage

ss. 20(5) Speed-up Order

Other

List all that have been issued

c. To what standard did the licensed engineering practitioner assess compliance of the facility's emissions (please select the applicable box(es)):

Section 19 of O. Reg. 419/05 (Schedule 2)

Section 20 of O. Reg. 419/05 (Schedule 3)

N/A – The amount of any contaminant discharged from the site is negligible

N/A – Source(s) discharge only sound as a contaminant

N/A – Source(s) discharge sound as a contaminant and the amount of any other contaminant discharged is negligible

d. Please select all applicable boxes that apply to a discharge of a contaminant(s) to air from the facility:

Contaminant(s) belonging to Benchmark 1 category of ACB list is at or below the concentration for each specified averaging period set out for the contaminant

Contaminant(s) belonging to Benchmark 2 category of ACB list is at or below the concentration for each specified averaging period set out for the contaminant

Contaminant(s) belonging to Benchmark 2 category of ACB list is above the concentration for a specified averaging period set out for the contaminant

The concentration of the contaminant(s) does not have a Ministry standard, guideline, or screening level set out for the contaminant

N/A – The amount of any contaminant discharged from the site is negligible

N/A – Source(s) discharge only sound as a contaminant

N/A – Source(s) discharge sound as a contaminant and the amount of any other contaminant discharged is negligible

e. Does the facility operate a generator for non-emergency purposes? Yes No

f. Does the facility use or operate a large boiler or heater greater than 10.5 gigajoules per hour? Yes No

g. Will an Emissions Summary Table be uploaded? Yes No
Please Note: An Emissions Summary Table is required to be uploaded at the time of registration. An Emissions Summary Table is also required to be uploaded if any modifications to the facility require an update to the EASR ESDM. Additionally, as part of the 10 year review required by O. Reg. 1/17, an updated Emissions Summary Table is required to be uploaded.

h. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the EASR ESDM Report and made statements in the EASR ESDM Report Supplement and the date signed.

First Name	Last Name	Licence Number(s)	Date Signed
Greg	Brown	5421706	2019-02-26

4.2 Fugitive Dust Control

a. Does the EASR ESDM Report prepared for the facility identify a source of fugitive dust? Yes No

a. i. If yes, has a licensed engineering practitioner signed and sealed a Best Management Practice Plan (BMPP) for fugitive dust control? Yes No

b. Has a BMPP for fugitive dust control been prepared as a result of a written notice from the Director issued under O. Reg. 1/17? Yes No

c. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the BMPP for fugitive dust control and the date signed and sealed.

First Name	Last Name	Licence Number(s)	Date Signed
------------	-----------	-------------------	-------------

4.3 Noise

a. Please select the noise assessment method that was completed for the facility:

The facility meets the 1000m setback distance

Primary Noise Screening Method

Secondary Noise Screening Method

Acoustic Assessment Report

a. i. If the Primary Noise Screening Method was used, is the actual separation distance from the facility to the closest Point of Noise Reception equal to or greater than the minimum separation distance as determined by the Primary Noise Screening Method? Yes No

a. ii. If the Secondary Noise Screening Method was used, is the combined sound level from the facility at each affected Point of Noise Reception as determined by the Secondary Noise Screening Method less than or equal to the applicable sound level limit set out in Chapter 3 of the EASR publication? Yes No

a. iii. If an acoustic assessment was completed, did the acoustic assessment determine that the combined sound level from the facility at each affected Point of Noise Reception less than or equal to of the applicable sound level limit set out in Chapter 3 of the EASR publication? Yes No

a. iii. a) If no, has a Noise Abatement Action Plan been developed for the facility? Yes No

a. iii. b) If yes, please provide the title of the Noise Abatement Action Plan and the date it was prepared.

Name of NAAP	Date Prepared

b. Has an Acoustic Audit Report been prepared as a result of a written notice from the Director? Yes No

b. i. If yes, please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the acoustic audit report, and the date signed and sealed.

First Name	Last Name	Licence Number(s)	Date Signed

c. Will an Acoustic Assessment Summary Table be uploaded? Yes No

Please Note: An Acoustic Assessment Summary Table is required to be uploaded at the time of registration if an Acoustic Assessment was completed for the facility. An Acoustic Assessment Summary Table is also required to be uploaded if any modifications to the facility require an update to the facility's noise report. Additionally, as part of the 10 year review required by O. Reg. 1/17, an updated Acoustic Assessment Summary Table is required to be uploaded.

d. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the noise report, and the date signed and sealed.

First Name	Last Name	Licence Number(s)	Date Signed
Greg	Brown	5421706	2019-02-26

4.4 Odour

a. Did the Odour Screening Report indicate that a circumstance which requires a BMPP for odour to be prepared exists at the facility? Yes No

b. Did the Odour Screening Report indicate that a circumstance which requires an Odour Control Report (OCR) to be prepared exists at the facility? Yes No

b. i. If yes, please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the Odour Control Report and the date signed and sealed.

First Name	Last Name	Licence Number(s)	Date Signed

c. Has a BMPP for odour been prepared as a result of a written notice from the Director issued under O. Reg. 1/17? Yes No

d. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the BMPP for odour and the date signed and sealed.

First Name	Last Name	Licence Number(s)	Date Signed
Greg	Brown	5421706	2019-02-26

CERTIFICATE OF ANALYSIS

Pursuant to

(416) 235-6310

s. 5 & s. 175, Environmental Protection Act R.S.O. 1990, c. E.19
s.1 & s. 115, Ontario Water Resources Act R.S.O. 1990, c. O.40
s. 1 & s. 51, Pesticides Act R.S.O. 1990, c. P.11
s. 38, Fisheries Act R.S.C. 1985, c. F-14
s. 658 & s. 688 Canada Shipping Act R.S.C. 1985, c. S-9
and other legislation as applicable

THIS IS TO CERTIFY THAT the following samples, consisting of solids, liquids or gases or combination of any of them, were analysed at Laboratory Services Branch, and, THAT the results of analysis are as shown below;

Submission Number: C178513

Laboratory Sample Number(s): C178513-0001 to C178513-0003

Originator's Occurrence Number: not provided

Date Sample(s) Received at Laboratory: July 28, 2010

Sample Description & Reported Location: New West Gypsum

C178513-0001	DP0722-1	LP243109	Force Trucks – 2212 Wyecroft Rd.
C178513-0002	DP0722-2	LP243106	New West Gypsum – 2182 Wyecroft Rd
C178513-0003	DP0722-3	LP243107	Bronte GO Station – 2104 Wyecroft Rd

Analysis:

The samples were examined using stereoscopic and polarized light microscopes as well as an electron microscope with an energy dispersive x-ray analyzer (EDXRA). Some micro chemical and physical tests were also done.

Results:

Sample No.C178513-0001 (DP0722-1)

QUALITATIVE ANALYSIS

SEMI-QUANTITATIVE ANALYSIS (error 5%)

1. Ground minerals (carbonates, quartz, feldspars, ferromagnesian minerals, mica)	55%
2. Red, black, white paint droplets	20%
3. Black rubber from tire buffing	10%
4. Aluminum metal turnings	10%
5. Corn starch	5%
6. White powder (amorphous calcium sulphate)	Traces
7. Royal blue paint chips	Traces

Sample No.C178513-0002 (DP0722-2)

QUALITATIVE ANALYSIS

SEMI-QUANTITATIVE ANALYSIS (error 5%)

1. White powder (amorphous calcium sulphate)	60%
2. Vegetation fibres (cotton fabric)	20%
3. Mineral wool	10%

SUBMISSION: C178513

4. Beige paint debris	10%
5. Quartz, carbonates crystals	Traces

EDXRA showed the presence of the following elements:

white powder: C, O, Mg, Al, Si, S, Ca

titanium beige paint with calcium sulphate: C, O, Na, Mg, Al, Si, S, K, Ca, Ti, Fe

Sample No.C178513-0003 (DP0722-3)

QUALITATIVE ANALYSIS

SEMI-QUANTITATIVE ANALYSIS
(error 5%)

1. Ground minerals (carbonates, quartz, feldspars, ferromagnesian minerals, mica)	70%
2. Black rubber from tire buffing	20%
3. Red, black, white paint droplets	10%
4. Corn starch	Traces
5. Royal blue paint chips	Traces
6. Pollen	Traces
7. Vegetation fibres and chips	Traces

Conclusions:

The above samples contained particulate material which may have originated from the following sources:

New West Gypsum: white powder (amorphous calcium sulphate), titanium paint debris, mineral wool, cotton fabric

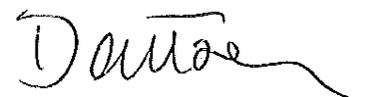
Grinding operation, construction site, road material etc.: ground minerals, paint droplets, paint chips, aluminum metal turnings

House, paint shop etc.: corn starch, paint droplets, paint chips

Environment: pollen, vegetation fibres and chips, quartz and carbonates crystals

Dated this 24th day of August, 2010

Analyst:



Dan Toner



125 Resources Rd.
Etobicoke ON M9P 3V6
Tel: (416) 235-5743 6015
Fax: (416) 235-5743 6113

125, Chemin Resources
Etobicoke ON M9P 3V6
Tél: (416) 235-5743 6015
Télé: (416) 235-5743 6113

MINISTRY OF ENVIRONMENT
SEP 15 2010

ATTENTION: DENISE PLOURDE

HALTON PEEL DISTRICT OFFICE
New West Gypsum

SAMPLE DISPOSITION

Submission # C: 178513 0001 0003

IDS # N/A Submitted (DD/MMM/YYYY) 28 July, 2010

THESE SAMPLES WILL BE DISPOSED IN 180 DAYS

... unless you inform Laboratory Services Branch that the samples are needed for litigation proceedings or further investigation.

Note: Sample containers will not be retained if the samples are deemed to be inherently dangerous to health or public welfare (e.g. acute toxic, pathological, radioactive, ignitable, reactive).

If the samples can be disposed, choose the "DISPOSE" option.

If litigation is likely, choose the "KEEP" option.

If it is not possible to immediately determine whether the submission will proceed to litigation, or if further investigation is required, select the "HOLD TEMPORARILY" option. These samples will be held a further 60 days before disposal, unless other specific instructions are received.

Mail a copy of this form to the Priority/Legal Sample Coordinator at the Laboratory, or, preferably, fax it to **(416) 235-6125**

Note: It is the responsibility of the Client/Investigator/Crown Attorney to notify the laboratory when retained sample containers are no longer required.

Failure to respond will result in the disposal of these samples.
Samples will not be stored longer than 60 months without specific instructions.

DISPOSE of these samples

KEEP these samples: Litigation pending or likely
(maximum 60 months)

Court date (if known): _____ IEB Reference # (if known) _____

HOLD TEMPORARILY (60 day extension)

Other Requests: _____

Date: _____ Signature: _____ Date mailed: _____







From: Frank Price [FPrice@oakville.ca]
Sent: September 15, 2011 10:29 AM
To: Plourde, Denise (ENE)
Cc: Darnell Lambert
Subject: Possible oil/gas spill 2172 Wycroft Road

Attachments: 2172 Wycroft Rd Sept 14 2011 028.jpg; 2172 Wycroft Rd Sept 14 2011 029.jpg; 2172 Wycroft Rd Sept 14 2011 032.jpg; 2172 Wycroft Rd Sept 14 2011 036.jpg; 2172 Wycroft Rd Sept 14 2011 019.jpg; 2172 Wycroft Prop Owners.pdf; Spill Area 2172 Wycroft Rd.pdf; 2172 Wycroft Rd Sept 14 2011 037.jpg

Hi Denise,

I reported the spill to the Spill Action Center as you suggested and they will be sending the report to you.

I have attached some of the pictures that I took yesterday when I was conducting my site inspection and I have included additional information that may help.

Along with the pictures I have attached some air photos with property owner information and a close-up of the spill area. It appears from the close-up that the spill may be contained to the subject property and it shows that the area was occupied by some containers and equipment before I took yesterday's photos. In the photos you can see the extent of the dead vegetation and the oil/gas stains on the asphalt in the empty fenced in compound where the spills possibly originated from.

Please let me know if I may be of further assistance.

Regards,
Frank

Frank Price
Urban Design Inspector
Development Engineering
Town of Oakville | 905-845-6601 ext.3983 | f: 905-338-4414 | www.oakville.ca



Vision: To be the most livable town in Canada

 Please consider the environment before printing this email.
http://www.oakville.ca/privacy_statement.htm



Gypsum Samples

			717579-3	21176-4	721176-3	724391-1	724391-2
			Oakville	Oakville - Right	Oakville - Left	Underbelt	Entrance
			Dec-09	Jan-10	Jan-10	Feb-10	Feb-10
Sulfate as CaSO ₄			85.9	85.9	85.7		
Carbonate as CaCO ₃			8.34	6.59	6.49		
Total CaSO ₄ & CaCO ₃			94.24	93.49	92.19		
Loss on Ignition			19.30	20.00	19.30	4.196	3.878
Asbestos			NA	NA	NA	NA	NA
Dry Weight - 55°C			7.72	1.97	3.56	1.81	3.34
Dry Weight - 180°C			24.18	19.52	21.36	19.15	20.78
Bound Moisture			16.46	17.55	17.8	17.34	17.44
Est Paper Content (%)			1.8	1.2	1.1	1.8	1.3
Aluminum	ug/g		1120	758	645		
Antimony	ug/g	0.5	<5	0.68	<0.5	1.2	<0.5
Arsenic	ug/g	0.2	<2	1.4	0.94	1.2	1.2
Barium	ug/g	0.03	17.3	8.56	6.71	24.1	9.56
Beryllium	ug/g	0.02	<0.1	0.04	0.03	0.04	0.03
Bismuth	ug/g	0.5	<5	<0.5	<0.5		
Boron Total (dry weight)	ug/g			24.6	25.7	24.6	12.8
Cadmium	ug/g	0.02	<0.5	0.05	<0.05	<0.05	<0.05
Calcium	ug/g	2	195000	160000	165000		1.1
Chromium	ug/g	0.04	3.0	2.98	2.20	4.03	3.02
Cobalt	ug/g	0.02		0.4	0.4	0.74	0.5
Copper	ug/g	0.03	<0.5	1.3	1.3	2.5	1.8
Iron	ug/g		1540	1050	896		
Lead	ug/g	0.5	16	2.3	1.9	5.1	2.7
Lithium	ug/g	0.1	25	14.2	13.8	18.4	16.1
Magnesium	ug/g	10	9490	6270	6090		
Manganese	ug/g	0.5	36	28.7	21.2	24.1	25.3
Mercury	ug/g			0.166	0.149	0.160	0.151
Molybdenum	ug/g	0.03	0.9	3.56	0.5	3.56	0.5
Nickel	ug/g	0.1	2	1.9	1.1	2.4	2.0
Phosphorus	ug/g	0.5	74.0	60.6	48.0		
Potassium	ug/g	5	400	380	340		1.1
Selenium	ug/g	0.2	6.3	5.78	4.3	3.0	6.3
Silver	ug/g	0.2	<1	<0.2	<0.5	<0.2	<0.5
Sodium	ug/g		240	178	150		1.1
Strontium	ug/g	0.02	611	328	372	<0.05	178
Sulfur	ug/g		166000	114000	165000		1.1
Thallium	ug/g	0.2	<2	<0.2	0.4	<0.3	<0.3
	ug/g	0.4	<2		1.1	<0.2	<0.5
Titanium	ug/g	0.05	25	27.4	22.1		1.1
Vanadium	ug/g	0.2	<1	2.8	1.9	2.7	3.0
Zinc	ug/g	0.1	16	10.7	7.68	19.5	2.7
Zirconium	ug/g	0.02		0.9	0.83		
					1.1		1.1
Zinc					1.1	8.0	7.9

**Pages 93 to / à 102
are withheld pursuant to section
sont retenues en vertu de l'article**

N/R

**of the Freedom of Information and Protection of Privacy Act
de la Freedom of Information and Protection of Privacy Act**

Responsive Event Report - File

Event Number: 1-3RWBY7

Summary Information

Summary:	Oakville Hydro: 40L non pcb transformer oil to spill containment; clng
Type:	SPILLS
Report Method:	Phone
State:	Closed
Status:	Ministry Review Completed
Date Created:	08/25/2023 15:23:09
Date Reported:	08/25/2023 15:17:31
Date Occurred:	08/25/2023 13:11:31
Created By:	Grace Sutcliffe
Assigned To:	MACHMERTR
Program:	
Regulated Activity:	
Municipality:	OAKVILLE
District Office:	Halton-Peel District Office
Response Type:	Desktop Response

Call Reports

Summary:	Oakville Hydro:		
Report Details:	Reporting a MVA into pad mounted transformer causing a rupturing Spill of non pcb ~40L contained to spill containment un transformer Super Sucker retained clean up ETA within the next 30 mins. Repairs will be made. Hit and run reported to Halton Police.		
Location:	2172 Wyecroft Rd, Oakville ON		
Created By:	SUTCLIFFEGR		
Reference #:	1-3RWBK9	Municipality:	
Date Created:	08/25/2023 15:17:31	Date Reported:	08/25/2023 15:17:31
Report Method:	Phone	Date Occurred:	08/25/2023 13:11:31
Outcome:	Responsive Event Created	Name not Provided:	N

Properties

ID:	1-2M54Y
Property Name:	
Municipality/County:	OAKVILLE / REGIONAL MUNICIPALITY OF HALTON

District Office: Halton-Peel District Office

Property Description: Industrial mall

More Information

**Was there a discharge/emission/spill of a
contaminant to the natural environment?** Yes

Meets Criteria to Refer to TSSA: No

Offsite Impacts: No

**Is this spill confirmed to be below the
threshold for spills reporting exemption?** No

Receiving Environment: Land

Has a Water Body been impacted? No

Impacted Water Body/Watercourse:

Initial Health & Environment Consequence: Low

Final Health & Environment Consequence:

MOE/Other Agencies Involved: Municipal - Works/Util. Dept.

Specify Agency Name:

Can NAICS Code be determined? Yes

NAICS Code: 335920

Spilled from Source: Transformer

Specify Other:

Activity During which Spill Occurred:

Specify Other:

Incident Preceding Spill:

Specify Other:

Contributing Causes:

Specify process/unit/cause:

Root Cause: Other (Specify)

Specify process/unit/cause: MVA

Cleanup Status: Initiated

Owner:

Controller:

Cleanup Report Provided:

Additional Report Provided:

Notes:

Created Date: 08/25/2023 15:23:14

Locked Date: 08/26/2023 15:23:14

Created By: SUTCLIFFEGR

Subject: Call Report 1-3RWBK9

Details: Dan Kavanaugh, Oakville Hydro, (905) 824-9500 to SACGs:
Reporting a 1 car MVA/collision into a pad mounted transformer causing
transformer to rupture and spill ~40L non pcb transformer oil
Spilled to spill containment basin below transformer
Pad-mount sits on asphalt
No impacts to soil/bush/water. No impacts to CB/drains

Clean up:
Super Sucker retained for clean up.
ETA within the next 30 mins.
Transformer is being removed and repairs will be made

Caller says it was a hit and run and has been reported to Halton Police.

Created Date: 08/25/2023 15:43:52

Locked Date: 08/26/2023 15:43:52

Created By: SUTCLIFFEGR

Subject: SPIA - n/a

Details: Latitude: 43.41640 Longitude: -79.72553

UTM Zone: 17

Easting: 603176.21 Northing: 4807845.79

Upper Tier Municipality: REGIONAL MUNICIPALITY OF HALTON

Lower Tier Municipality: TOWN OF OAKVILLE

Township Concession and Lot: TRAFALGAR CON 3 SOUTH OF DUNDAS
STREET LOT 27

Assessment Parcel Address: 2172 WYECROFT RD

Assessment Roll #: 24010202802331000000

MECP District: Halton-Peel

MECP Region: Central Region

Source Protection Details for Location

Source Protection Area: Halton Region

[View Source Protection Plan](#)

Wellhead Protection Area: No

Wellhead Protection Area (WHPA-E): No

Intake Protection Zone: No

Issue Contributing Area: No

Significant Groundwater Recharge Area: No

Highly Vulnerable Aquifer: No

Event Based Area: No

Wellhead Protection Area Q1: No

Wellhead Protection Area Q2: No

Intake Protection Zone Q: No

Information is current as of: August 9, 2023

Created Date: 08/25/2023 22:03:57

Locked Date: 08/26/2023 22:03:57

Created By: MCDONALDHA

Subject: Cleaned

Details: 22:02 Oakville Hydro Josh Goddard 905-825-8774 to SAC(hm) reporting clean-up complete.

Attachments

Name: DRAFT 1-3RWBY7 Responsive Event Report - File

Serial Number: 1-3RWBY7-1

Date Modified: 08/25/2023 15:43:20

URL:

Summary:

Description:

Name: 1-3RWBY7_Responsive Event Report - File

Serial Number: 1-3RWBY7-2

Date Modified: 08/28/2023 08:12:50

URL:

Summary:

Description:

Entities

Organization Type: Public Utilities Corporation

ID: 1-1922YY

Operating Name: OAKVILLE HYDRO

Legal Name: OAKVILLE HYDRO ELECTRICITY DISTRIBUTION INC.

Address: 861 REDWOOD SQUARE, OAKVILLE, ON, L6L 6R6

Contaminants

Contaminant Name: TRANSFORMER OIL (N.O.S.)

Description:

UN#:

CAS#:

Material Type:

Quantity: 40 litre (L)

Number of Exceedances:

Min. Quantity:

Max. Quantity:

Frequency:

Other Frequency:

Start Date/Time:

End Date/Time:

Non-Compliance Type:

Approval# / Permit# /

Legislation:

Method:

Limit:

Limit Type:

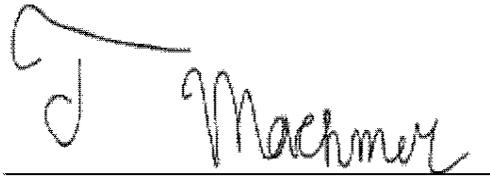
Limit Measurement:

Signature

Completed By: MACHMERTR

Badge Number:

Date Completed: 08/28/2023 08:12:48



(Signature)

April 18, 2024

Ms. Irene Hutchison
Pinchin Ltd.
2360 Meadowpine Boulevard, Unit 2
Mississauga, Ontario L5N 6S2
ihutchison@pinchin.com

Dear Irene Hutchison:

RE: MECP FOI A-2024-02134, Your Reference #: 339515 – Decision Letter

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 2172 Wyecroft Road, Oakville.

After a thorough search through the ministry files, records were located in response to your request. The final decision has been made to provide partial access to the requested information. The official responsible for making the access decision on your request is the undersigned.

Some of the information has been severed or withheld under the following sections of the Act:

s.21 Personal information of individuals for the protection of their personal privacy.

Records or information that are not relevant to the request (e.g., records that are blank, outside of the date range or do not relate directly to the subject matter) have been removed and marked "Not Relevant or 'N/R'".

Section 57 of the Act authorizes certain fees to be charged for processing a request. Our charges for processing this request are:

- | | |
|------------------------------|----------------|
| • Search Time 1.08 @ 30/hour | <u>\$32.50</u> |
| • Total | \$32.50 |

In order to receive a copy of the records please forward this amount to our office. Payment(s) may be made by **May 21, 2024**. If payment has not been received by this date, the file will be closed, and you will be required to submit a new request.

The ministry's District Office has advised that there may be inactive records in the Records Centre, Mississauga. **Please note there is no guarantee that any records will be located responsive to your request.**

- If you would like us to retrieve these files, please submit a separate request. Under the category Types of Record(s), select “Other Specific Document(s)” and under Specific Documents:
- quote this MECP file number and
- state you are seeking records from the Record Centre from the ministry’s District Office
- The \$5 application fee will be applied towards any costs incurred with the retrieval of the records from the Records Centre.

Payment(s) may be made by one of the following options:

- Pay online through the [Freedom of Information Request for Property Information Form https://forms.mgcs.gov.on.ca/en/dataset/012-2146](https://forms.mgcs.gov.on.ca/en/dataset/012-2146). Both the pdf download or “HTML” versions provide access to the payment option.
- Mail money order or cheque made payable to the “Minister of Finance (FOI)” or provide credit card information through the mail-in version of the form mentioned above.

Please **do not** mail cash or send your payment information via email.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

If you have any questions regarding this matter, contact Tara Hachey at tara.hachey@ontario.ca.

Yours truly,



For:

Josephine DeSouza
Manager, Access and Privacy Office



**Ministry of the Environment,
Conservation and Parks**

Corporate Management Division

**Ministère de l'Environnement, de la
Protection de la nature et des Parcs**

Division de la gestion ministérielle

April 8, 2024

Irene Hutchison
PINCHIN LTD.

Dear Irene Hutchison
RE: Request #: EPI-2024-2000004009
Requestor provided Client Reference: 339515
Site address: 2172 Wyecroft Road, Oakville

This letter confirms that, after conducting a thorough search of its source system applications, the ministry has identified potential records related to your property request. Our search indicates that the ministry may hold the following records:

- Waste Generator number/classes
- Air Approval¹
- Correspondence, Abatement, Occurrence reports
- Orders
- Incident Reporting
- Spills
- Pesticide Permits - Operator

If you would like to submit a Freedom of Information (FOI) request to the ministry, please return to the table on the Requests tab of the EPI application and select "Submit FOI" under the Actions column in the row identified by EPI-2024-2000004009.

If you have any questions regarding the matter, please contact the ministry at eproperty@ontario.ca.

Sincerely,

Environmental Property Information (EPI) Program

Disclaimer

This search result is provided for informational purposes only and is not intended to provide specific advice or recommendations. The Ministry of the Environment, Conservation and Parks (MECP) cannot and does not guarantee that the information provided is current, accurate, complete, or free of errors. Any reliance upon this information is solely at the risk of the user.

¹ In addition to the core reports (e.g Environmental Compliance Approval), there may be extensive supporting documentation associated with this record type. When transferring your request over to FOI, we encourage you to refine the scope of your request to only the supporting documentation required for your purposes, as the inclusion of this additional documentation can add significant processing time.

Le 8 avril 2024

Irene Hutchison
PINCHIN LTD.

Madame,
Monsieur, Irene Hutchison
Objet : No de demande : EPI-2024-2000004009
Le demandeur a fourni une référence client: 339515
Adresse du site: 2172 Wycroft Road, Oakville

La présente lettre confirme que, après avoir effectué une recherche exhaustive dans ses applications de système source, le ministère a circonscrit des dossiers potentiels reliés à votre demande concernant des biens immobiliers. Notre recherche indique que les dossiers suivants peuvent être en possession du ministère:

- Waste Generator number/classes
- Air Approval¹
- Correspondence, Abatement, Occurrence reports
- Orders
- Incident Reporting
- Spills
- Pesticide Permits - Operator

Si vous souhaitez soumettre une demande de liberté d'information (FOI) au ministère, veuillez retourner au tableau de l'onglet Requêtes de l'application EPI et sélectionner "Soumettre FOI" dans la colonne Actions de la ligne identifiée par EPI-2024-2000004009.

Si vous avez des questions concernant votre demande, nous vous invitons à communiquer avec le ministère à l'adresse électronique suivante : eproperty@ontario.ca.

Veuillez recevoir mes salutations les plus sincères,

Programme d'Information Environnementale de la propriété

Avertissement

Ce résultat de recherche est fourni uniquement à titre informatif et n'a aucunement pour but de donner des conseils particuliers ou des recommandations. Le ministère de l'Environnement de la Protection de la nature et des Parcs (MEPP) ne peut pas garantir que les renseignements fournis sont à jour, exacts, complets et exempts d'erreurs. L'utilisateur qui se fie à ces renseignements le fait à ses seuls risques.

¹ En plus des rapports de base (par exemple, l'approbation de conformité environnementale), il peut y avoir de nombreux documents justificatifs associés à ce type d'enregistrement. Lors du transfert de votre demande vers FOI, nous vous encourageons à affiner la portée de votre demande en ne tenant compte que des pièces justificatives requises pour vos besoins, car l'inclusion de ces documents supplémentaires peut ajouter un temps de traitement important.

Ministry of the Environment,
Conservation and Parks

Freedom of Information and
Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075

Ministère de l'Environnement, de
la Protection de la nature et des
Parcs

Bureau de l'accès à l'information et
de la protection de la vie privée

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075



October 3, 2018

Grace Thompson
Pinchin Environmental Ltd.
6-875 Main St W, Suite 200
Hamilton, ON L8S 4R9

Dear Grace Thompson:

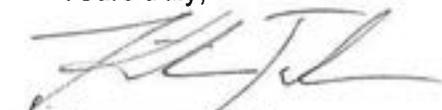
**RE: *Freedom of Information and Protection of Privacy Act* Request
Our File # A-2018-03533, Your Reference 224594**

This letter is further to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 2172 Wycroft Road, Oakville.

Attached is a copy of the records.

If you have any questions regarding this matter, please contact Katie Tudor at katie.tudor@ontario.ca.

Yours truly,



Janet Dadufalza
FOI Manager

Attachment



hwin Administration 



Generator Details

Registration/Notification Number

ON8495842

Legal Company Name

Primary Name: *Alome Finishing* Division Name: *NA*

Company Operating Name

Primary Name: *Alome Finishing* Division Name: *NA*

Mailing Address

Division Building: *NA* Post Box Number: *NA*
 Address Line 1: *2172 Wyecroft Road, Unit 10-11* Address Line 2: *NA*
 Town/City: *Oakville* Postal Code / Zip Code: *L6L 6R1*
 County: (if inside Ontario) *HALTON (R. M.)* Province/State (if inside Canada/US) *ONTARIO*
 County: (if outside Ontario) *NA* Province / State (if outside Canada / US) *NA*
 Country: *Canada*

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building: *NA* Post Box Number: *NA*
 Address Line 1: *2172 Wyecroft Road, Unit 10-11*
 Address Line 2: *NA*
 Town/City: *Oakville* Postal Code / Zip Code: *L6L 6R1*
 County: (if inside Ontario) *HALTON (R. M.)* Province / State (if inside Canada / US) *ONTARIO*
 County: (if outside Ontario) *NA* Province / State (if outside Canada / US) *NA*
 Country: *Canada*

Company Official



Search

Company Name: **Alome Finishing**
 Company Number: **ON8495842 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
211 - H	View details	F003	1	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>

[Unregister Selected Classes](#)

Technical inquires to

[Webmaster.](#)

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Generator Details

Registration/Notification Number

ON4692139

Legal Company Name

Primary Name: Bezezer Services Division Name: NA

Company Operating Name

Primary Name: Bezezer Services Division Name: NA

Mailing Address

Division Building: NA Post Box Number: NA
 Address Line 1: FGPO Box 81083 Address Line 2: NA
 Town/City: Ancaster Postal Code / Zip Code: L9G 4X1
 County: (if inside Ontario) HAMILTON-WENTWORTH R. M. Province/State (if inside Canada/U.S) ONTARIO
 County: (if outside Ontario) NA Province / State (if outside Canada / US) NA
 Country: Canada

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building: NA Post Box Number: NA
 Address Line 1: 2172 Wycroft Road
 Address Line 2: NA
 Town/City: Oakville Postal Code / Zip Code: L6L 6R1
 County: (if inside Ontario) HALTON (R. M.) Province / State (if inside Canada / US) ONTARIO
 County: (if outside Ontario) NA Province / State (if outside Canada / US) NA
 Country: Canada

Company Official



Search

Company Name: **Bezemer Services**
 Company Number: **ON4692139 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste View Class Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method Part 2B required	Part 2B complete	Physical State	Off-Site	Status
145 - H View Details	F003	1			Liquid	Off-Site	Active
211 - H View Details	F003	1			Liquid	Off-Site	Active
252 - L View Details	N/A				Liquid	Off-Site	Active

[Back](#)



Generator Details

Registration/Notification Number

ONG261287

Legal Company Name

Primary Name: Bezezer Services Division Name: NA

Company Operating Name

Primary Name: Bezezer Services Division Name: NA

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	F.G.P.O Box 81083	Address Line 2:	NA
Town/City:	Ancaster	Postal Code / Zip Code:	L9G 4X1
County: (if inside Ontario)	HAMILTON-WENTWORTH R. M.	Province/State (if inside Canada/U.S)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wycroft Road		
Address Line 2:	NA		
Town/City:	Oakville	Postal Code / Zip Code:	L6L 6R1
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / U.S)	NA
Country:	Canada		

Company Official



Search

Company Name: **Bezemer Services**
Company Number: **ON6261287 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
251 - L	View details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>

[Unregister Selected Classes](#)

Technical inquires to

[Webmaster.](#)

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Generator Details

Registration/Notification Number

ONS119218

Legal Company Name

Primary Name: Filter Solutions Inc Division Name: NA

Company Operating Name

Primary Name: Filter Solutions Inc Division Name: NA

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wycroft Road #21	Address Line 2:	NA
Town/City:	Oakville	Postal Code / Zip Code:	L6L 5V6
County: (if inside Ontario)	HALTON (R. M.)	Province/State (if inside Canada/US):	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US):	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	2172 Wycroft Road #21		
Address Line 2:	NA		
Town/City:	Oakville	Postal Code / Zip Code:	L6L 5V6
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US):	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US):	NA
Country:	Canada		

Company Official



Search

Company Name: **Filter Solutions Inc**
 Company Number: **ON8119218 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
145 - I	View Details	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active
211 - H	View Details	F001	1	Land Disposal	Y	Y	Liquid	Off-Site	Active
213 - I	View Details	D001	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active



hwin Administration 



Generator Details

Registration/Notification Number

ON9160447

Legal Company Name

Primary Name: Keneco Chemicals Limited Division Name: NA

Company Operating Name

Primary Name: Keneco Chemicals Limited Division Name: NA

Mailing Address

Division Building: NA Post Box Number: NA
 Address Line 1: 2172 Wyecroft Road, Unit #4 Address Line 2: NA
 Town/City: Oakville Postal Code / Zip Code: L6L 5V6
 County: (if inside Ontario) HALTON (R. M.) Province/State (if inside Canada/US) ONTARIO
 County: (if outside Ontario) NA Province / State (if outside Canada / US) NA
 Country: Canada

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building: NA Post Box Number: NA
 Address Line 1: 2172 Wyecroft Road, Unit #4
 Address Line 2: NA
 Town/City: Oakville Postal Code / Zip Code: L6L 5V6
 County: (if inside Ontario) HALTON (R. M.) Province / State (if inside Canada / US) ONTARIO
 County: (if outside Ontario) NA Province / State (if outside Canada / US) NA
 Country: Canada

Company Official



Search

Company Name: **Kencro Chemicals Limited**
 Company Number: **ON9100447 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
114 - C	View Details	D002	5, 13	Out of Ontario - Potential Land Disposal	Y	Y	Liquid	Off-Site	Active
148 - C	View Details	D002	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active



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Technical inquires to



Search

Company Name: **Kencro Chemicals Limited**
 Company Number: **ON9100447 (Generator)**

Inactive Waste Classes

Inactive Waste Class Listing

[Add New Waste Class](#) | [Active waste classes](#)

Inactive Off-site Waste Classes

Waste Class	Physical State	Off-Site	Status	Activate	
113 - C	Solid	Off-Site	Inactive	<input type="radio"/>	View Details
122 - C	Solid	Off-Site	Inactive	<input type="radio"/>	View Details
122 - C	Solid	Off-Site	Inactive	<input type="radio"/>	View Details

Activate

22



Generator Details

Registration/Notification Number

ON9043383

Legal Company Name

Primary Name: Macniffan Machining Inc. Division Name: NA

Company Operating Name

Primary Name: Macniffan Machining Inc. Division Name: NA

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	9-2172 Wyecroft Rd	Address Line 2:	-
Town/City:	Oakville	Postal Code / Zip Code:	L6L 1V6
County: (if inside Ontario)	HALTON (R. M.)	Province/State (if inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	9-2172 Wyecroft Rd	Address Line 2:	-
Town/City:	Oakville	Postal Code / Zip Code:	L6L 1V6
County: (if inside Ontario)	HALTON (R. M.)	Province / State (if inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (if outside Canada / US)	NA
Country:	Canada		

Company Official



Ministry of the
Environment

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hwin

Administration



Search

Company Name: **Macmillan Machining Inc.**
 Company Number: **ON9043383 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

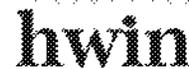
Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
253 - T	View details	D008	5, 13	Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>

[Unregister Selected Classes](#)



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Generator Details

Registration/Notification Number

GN7792624

Legal Company Name

Primary Name: United Building Investments No. 6 Limited Division Name: NA

Company Operating Name

Primary Name: United Building Contractors Division Name: NA

Mailing Address

Division Building: NA Post Box Number: NA
 Address Line 1: 2172 Wycroft Road Unit 6 Address Line 2: NA
 Town/City: Oakville Postal Code / Zip Code: L6L 5V6
 County: (if inside Ontario) HALTON (R. M.) Province/State (if inside Canada/US) ONTARIO
 County: (if outside Ontario) NA Province / State (if outside Canada / US) NA
 Country: Canada

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building: NA Post Box Number: NA
 Address Line 1: 2172 Wycroft Road Unit 6
 Address Line 2: NA
 Town/City: Oakville Postal Code / Zip Code: L6L 5V6
 County: (if inside Ontario) HALTON (R. M.) Province / State (if inside Canada / US) ONTARIO
 County: (if outside Ontario) NA Province / State (if outside Canada / US) NA
 Country: Canada

Company Official



Search

Company Name: United Building Investments No. 6 Limited

Company Number: ON7792624 (Generator)

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste View Class Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
251 - L View Details	N/A			Liquid			Off-Site	Active

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Ministry of
Environment
and Energy

Ministère de
l'Environnement
et de l'Énergie

135 St. Clair Avenue West
Suite 100
Toronto ON M4V 1P5

135, avenue St. Clair ouest
Bureau 100
Toronto ON M4V 1P5

March 15, 1994

MR. J. HORVAT
AUTO PRO COLLISION AND RESTORATION
2172 WYECROFT ROAD, UNIT 18
OAKVILLE, ONT
L6L 5V6

Dear MR. J. HORVAT:

Re: Acknowledgement of Subject Waste Registration

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration Report dated **February 25, 1994**. The Generator Registration Number assigned to your company is:

ON1824300

for the site located at:

**2172 WYECROFT ROAD, UNIT 18
OAKVILLE, ONT**

A list of acknowledged waste number(s) is attached as Schedule "A". The format of this schedule has been modified since July 1993. A waste number now appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule "A", and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at a uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste numbers(s) **you have selected** be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.

It is important to note that under Subsection 18(4) of Regulation 347, a supplementary Generator Registration Report must be submitted to the Ministry within 15 days for any of the following reasons:

1. if the name, address or telephone number of your company or generating site changes, or
2. if there is a significant change in the description, the waste number, or the physical or chemical characteristics of your registered waste(s), or
3. if you generate a hazardous or liquid industrial waste that has not been registered with the Ministry, even if its waste number is already listed on Schedule "A".

Your Generator Registration Report has been forwarded to the District Office of this Ministry that is closest to your generating site. Staff of the District Office conduct post-registration audits and may contact you for additional information or may visit your site.

Should you have any questions concerning generator registration or manifesting requirements, please contact the Regulation 347 officer at the appropriate Regional Office of the Ministry.

Regional Offices:	Southwestern (London)	(519) 661-2200
	West-Central (Hamilton)	(416) 521-7640
	Central (Toronto)	(416) 424-3000
	Southeastern (Kingston)	(613) 549-4000
	Northeastern (Sudbury)	(705) 675-4501
	Northwestern (Thunder Bay)	(807) 475-1205



Director
Regulation 347, R.R.O., 1990
Environmental Protection Act

SCHEDULE "A"

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which may represent more than one waste stream. This attached Schedule forms part of the acknowledgement of generator registration for the following site:

2172 WYECROFT ROAD, UNIT 18
OAKVILLE, ONT

identified by Generator Registration Number ON1824300, dated in Toronto, March 15, 1994.

WASTE STREAM

WASTE NUMBER

1. PAINT/PIGMENT/COATING RESIDUES

145I

End of record.

File Copy for ON2295100 SCHEDULE 'A' - FILE COPY

April 22, 1998

**HAGER
2172 WYECROFT ROAD, UNIT 25**

**OAKVILLE, ONT
L6L 5V6**

Attention: MR. LEN POLICELLI

Re: Acknowledgement of Subject Waste Registration

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration report dated February 26, 1998. The Generator Registration Number assigned to your company is:

ON2295100

for the site located at: 2172 WYECROFT ROAD, UNIT 25

OAKVILLE
ONT

A list of acknowledged waste number(s) is attached as Schedule 'A'. The format of this schedule has been modified since July 1993. A waste number now appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule 'A', and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at an uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste number(s) you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.

SCHEDULE 'A'

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which may represent more than one waste stream. This attached Schedule forms part of the acknowledgement of generator registration report dated February 26, 1998 for the following site:

HAGER
2172 WYECROFT ROAD, UNIT 25

OAKVILLE
ONT

identified by Generator Registration Number ON2295100, dated in Toronto, April 22, 1998.

<u>WASTE STREAM</u>	<u>WASTE NUMBER</u>
HALOGENATED SOLVENTS	241H
WASTE OILS & LUBRICANTS	252L

----- *End of List* -----



Ministry of the Environment
Ministère de l'Environnement

135 St. Clair Avenue West
Suite 100
Toronto, Ontario
M4V 1P5

135, avenue St. Clair ouest
Bureau 100
Toronto (Ontario)
M4V 1P5

OCT 08 1992

Master - Dyne Limited
2172 Wycroft Road, Unit #3
Oakville, Ontario
L6L 5V6

Attn: Mr. James Deadman
Plant Manager

Dear Mr. Deadman:

RE: Acknowledgement of Subject Waste Registration

As prescribed by Section 15(3) of Ontario Regulation 309, this letter acknowledges receipt of your Generator Registration Report(s) dated September 17, 1992 for the following site:

2172 Wycroft Road, Unit #3
Oakville, Ontario

The Generator Registration Number assigned to your company at this site is:

ON1636700

Please note that this Generator Registration Number must be used only in conjunction with the site for which it was issued.

Please ensure that the company name shown in this letter is complete and accurate. This would be the corporate name or, if a partnership or proprietorship, the name of the principal(s). If you intend to carry on business under a separate name or style, this should also be entered. If there is a discrepancy, it is your responsibility to re-register providing us with your complete and accurate company name.

A list of the waste stream(s) covered by this acknowledgement is attached to this letter as Schedule "A".

Under the Environmental Protection Act of Ontario, off-site and on-site disposal of subject wastes is only permissible if the property receiving the waste has been approved as a waste disposal site. The disposal of waste materials in an uncertified site is unlawful.

For off-site disposal of subject wastes, the waste number(s) describing the waste stream(s) in Schedule "A" and the Generator Registration Number must be entered on manifest forms for each waste transaction after you have received this generator registration document. A copy of an example manifest form is attached for your information.

For on-site disposal of subject wastes covered by this acknowledgement, including on-site incineration, landfilling and discharges to sanitary sewers, every generator shall retain records for a period of at least two years. These records shall include the generator registration number, waste name(s), waste number(s), quantity and disposition of the waste(s).

For off-site disposal of any registerable solid wastes shown in Schedule "A" (waste classes ending in the letter "N"), manifesting is not required at this time. These wastes can be disposed of at most approved municipal landfilling sites.

The selection of accurate waste classes is the responsibility of each waste generator. This acknowledgement must not be considered as a confirmation of the accuracy of information submitted by you. Based on the information you have provided, the waste class(es) that has (have) been selected appear(s) to be correct. If, due to new information or re-assessment of information submitted, you feel your waste is inappropriately classified, you should apply for a revision to your registration using the Generator Registration Report, Form 2. Should the waste class(es) that you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 309.

Your Generator Registration Report has now been forwarded to the District Office of this Ministry that is closest to your generating site. The District Office will be conducting a post-registration audit and may be contacting you for additional information or may be conducting site visits.

It is important to note that under Section 15(4) of Ontario Regulation 309, a new Generator Registration Report must be submitted to the Ministry within fifteen (15) days for any of the following reasons:

1. If the name, address or telephone number of your company or waste generating site changes.
2. If the description, the waste class or physical or chemical characteristics of your registered wastes change(s).
3. If you generate a hazardous or liquid industrial waste that has not been registered with the Ministry.

If the quantity of registered wastes or your carrier or receiver changes, automatic re-registration is not required. However, in order to update our file, we may periodically request additional information when we observe or suspect a significant change as compared to the most recent information submitted by you for registration purposes.

Should you have any questions concerning generator registration or manifesting requirements, please contact the Waste Management Branch Reviewer identified below at 323-5143.

Yours truly,


 Director
 Regulation 309, R.R.O., 1980
 Environmental Protection Act

Waste Management Branch Reviewer:



 T. Yee

WT/sf

Enclosure

ADDITIONAL COMMENTS:

Please ensure that the wastes shown in Schedule "A" include all of your subject wastes and that other registerable wastes, such as waste oils have not been omitted.

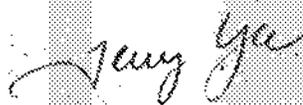
SCHEDULE "A"

This attached Schedule forms part of the acknowledgement of generator registration for the facility and site identified by Generator Registration Number **ON1636700**, dated at Toronto,

OCT 08 1992

	Waste Stream	Waste Class
1.	Waste petroleum naphtha	213I

Waste Management Branch Reviewer:



T. Yee



135 St. Clair Avenue West
Suite 100
Toronto, Ontario
M4V 1P5

135, avenue St. Clair ouest
Bureau 100
Toronto (Ontario)
M4V 1P5

HMS Equipment Sales
Division of 536823 Ontario Ltd.
2172 Wyecroft Rd.
Unit #16
Oakville, Ont.
L6L 5V6

Attn: Ms J. McDowell
President

Dear Ms McDowell:

RE: Acknowledgement of Subject Waste Registration

As prescribed by Section 15(3) of Ontario Regulation 309, this letter acknowledges receipt of your Generator Registration Report(s) dated November 27, 1987 for the following site:

2172 Wyecroft Rd.
Unit #16
Oakville, Ont.

The Generator Registration Number assigned to your company at this site is:

ON0957200

Please note that this Generator Registration Number must be used only in conjunction with the site for which it was issued.

Please ensure that the company name shown on this letter is complete and accurate. This would be the corporate name or, if a partnership or proprietorship, the name of the principal(s). If you intend to carry on business under a separate name or style, this should also be entered. If there is a discrepancy, it is your responsibility to re-register providing us with your complete and accurate company name.

A list of the waste stream(s) covered by this acknowledgement is attached to this letter as Schedule "A".

For off-site disposal of subject wastes, the waste number(s) describing the waste stream(s) in Schedule "A"

and the Generator Registration Number must be entered on manifest forms for each waste transaction after you have received this generator registration document. A copy of an example manifest form is attached for your information.

For on-site disposal of subject wastes covered by this acknowledgement, including on-site incineration, landfilling and discharges to sanitary sewers, every generator shall retain records for a period of at least two years. These records shall include the generator registration number, waste name(s), waste number(s), quantity and disposition of the waste(s).

For off-site disposal of any registerable solid wastes shown in Schedule "A" (waste classes ending in the letter "N"), manifesting is not required at this time. These wastes can be disposed of at most approved municipal landfilling sites.

The selection of accurate waste classes is the responsibility of each waste generator. This acknowledgement must not be considered as a confirmation of the accuracy of information submitted by you. Based on the information you have provided, the waste class(es) that has (have) been selected appear(s) to be correct. If, due to new information or re-assessment of information submitted, you feel your waste is inappropriately classified, you should apply for a revision to your registration using the Generator Registration Report, Form 2. Should the waste class(es) that you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 309.

Your Generator Registration Report has now been forwarded to the District Office of this Ministry that is closest to your generating site. The District Office will be conducting a post-registration audit and may be contacting you for additional information or may be conducting site visits.

It is important to note that under Section 15(4) of Ontario Regulation 309, a new Generator Registration Report must be submitted to the Ministry within fifteen (15) days for any of the following reasons:

1. If the name, address or telephone number of your company or waste generating site changes.
2. If the description, the waste class or physical or chemical characteristics of your registered wastes change(s).
3. If you generate a hazardous or liquid industrial waste that has not been registered with the Ministry.

If the quantity of registered wastes or your carrier or receiver changes, automatic re-registration is not required. However, in order to update our file, we may periodically request additional information when we observe or suspect a significant change as compared to the most recent information submitted by you for registration purposes.

Should you have any questions concerning generator registration or manifesting requirements, please contact the Waste Management Branch Reviewer identified below at 323-5201.

Yours truly,



Director
Regulation 309, R.R.O., 1980
Environmental Protection Act

Waste Management Branch Reviewer:



W. Tse

EAS/mgm

Enclosure

LE 03 07

ADDITIONAL COMMENTS:

Although your waste crankcase oils have been acknowledged with the primary characteristic of Liquid Industrial Waste (L), be advised that analytical data have indicated that many of these waste oils exhibit the primary characteristic of Leachate Toxicity (T) and would therefore be classified as hazardous waste. It is your responsibility as the generator to ensure that the primary characteristic(s) of your waste(s) is (are) correct as acknowledged.

.../4

SCHEDULE "A"

This attached Schedule forms part of the acknowledgement of generator registration for the facility and site identified by Generator Registration Number ON0957200, dated at Toronto, on ~~MAY 17 1988~~

Waste Stream	Waste Class
1. Oils and lubricants drained from engines and cylinders	252L
2. Spent varsol	213I

Waste Management Branch Reviewer:


W. Tse

7/3.4

SEARCHED AND INDEXED

DATE: 1988

DATE


SIGNATURE

INCIDENT REPORT

Reference Number:	6036-9PPPYH	File Storage Number:	SI HP OA WY 100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	6658-9PPQG8 
Originating Document:		Created by:	Nick Fowler
Incident Report Reference Number:	6036-9PPPYH 		
Date Created:	2014/10/08	Date Completed:	
Bring Forward Date:		Bring Forward Reason:	
Status:	In progress		
Program	Air	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modeled) or **wastewater** (sewage) **discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

s.21

Caller or PO Information

	Name of Company:	
	Unit Identifier:	
	Delivery Identifier:	
	Province/State:	Postal Code:
	Ontario	
Other Number:	Email Address:	
Fax		

Reported By:	
--------------	--

MOE Information

Date & Time Reported to MOE:	2014/10/08 09:55		
Office Receiving Incident Report:	Halton-Peel District Office		
Incident Info Received By:	Nick Fowler		
MOE Response:	Deferred Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2014/10/15 10:40		
Master Incident Report			

Number:			
SAC Action Class:			
Non-Standard Procedure:	No		
ERP Call-out Initiated:			

Client(s)

Client Details
Alome Finishing Mailing Address: 2172 Wycroft Rd, Oakville, Ontario, Canada, L6L 2K1 Physical Address: 2172 Wycroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada Telephone: (416)268-3119 Client #: 5390-9PYJ95, Client Type: Corporation

Site(s)

Site Details
2172 Wycroft Road Address: 2172 Wycroft Rd, Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel Site #: 8045-9B3Q92

Incident Information

s.21

Incident Summary:	PIR - Possible unauthorized spray booth <i>cannot be longer than 60 characters</i>
Incident Description:	<p>Caller has a neighbouring unit at an industrial strip mall that is operating a spray booth. Caller suspects that there is no ECA for the spray booth and reports that it is impacting neighbouring units. There are two company names associated with the combined units of #11 and #12. ATD Contracting and The Door Company are the two business names.</p> <p>DP - 1290 Friday, October 10, 2014: 10:43 am: Call the complainant. No answer, unable to leave message. 10:56 am: Receive a call from the complainant. I will visit the site one day next week then call him with an update.</p> <p>Wednesday, October 15, 2014 10:40 am: Arrive at 2172 Wycroft Road, Unit 10 and speak with Bill. There are no paint booths at his unit. The next unit has a booth. Inquire if he detects any odours from the neighbouring unit, not typically, he doesn't have any issues with the neighbouring business.</p> <p>Go to Unit 11 and speak with owner of Alome Finishing, Gabriel Orantes. He operates a paint booth a couple days a week. They have been located at the unit for a couple of months. They change the filters every 4 to 6 months. They construct kitchen cabinets. Inform Gabriel he is required to obtain an ECA. Provide a print out of information from the Ministry's website regarding approvals.</p> <p>Friday, October 17, 2014: 11:09 am: Call Gabriel and discuss timelines. The booth was installed in February or March of this year.</p> <p>Wednesday, October 22, 2014: 9:31 am: Receive a call from the complainant. Provide an update.</p> <p>Thursday, July 2, 2015: 2:38 pm: Call Gabriel Orantes and leave a message.</p> <p>Thursday, August 6, 2015:</p>

3:02 pm: Call Gabriel Orantes and leave a message.

3:20 pm: Receive a call from Gabriel. He has obtained a permit for fire prevention. Hasn't obtained an approval from the ministry. I'll send him a letter.

Tuesday, September 22, 2015:
Email letter to Gabriel.

Wednesday, May 16, 2018:
8:29 am: Call Gabriel. The booth was installed in 2015 and it vents to the atmosphere. He didn't apply for an approval. Inform him of the new ministry registry that he may be eligible for. I'll send him an email. Provide a compliance timeline of three months.

9:13 am: Email a letter to Gabriel.

Links & Comments:	
Attachments Names:	15Oct-81.JPG; 15Oct-82.JPG

Date & Time of Incident	Incident Date Confirmation? Estimated 2014/10/08						
Source Type:		Sector Type:					
Nearest Watercourse:		Watershed Category Code:					
Environmental Impact:							
Nature of Impact:							
Incident Event:		Incident Reason:					
Damaged Party:	No						
Contaminants Table							
	Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]
Controller of Material:		Owner of Material:					
Estimated Clean Up Cost:		Who Cleaned Up:					
% Clean Up:	%	MOE/Other Agencies Involved:					

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> To be determined
---	---------------------------	--------------------------	---

Voluntary / Mandatory Compliance Items

Type Parent RefNo Work Summary (may be truncated) Date AttainList

Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence}	

Provincial Officer:

Name:

Badge No:

Work Unit:

District/Area Office:

Date:

Signature:

District/Area Supervisor:

Name:

Work Unit:

District/Area Office:

Date:

Signature:

Ministry of the Environment

Central Region
Halton-Peel District Office
300-4145 North Service Rd
Burlington ON L7L 6A3
Fax: (905)319-9902
Tel: (905) 319-7035

Ministère de l'Environnement

Direction régionale du Centre
Bureau du district de Halton-Peel
300-4145 North Service Rd
Burlington ON L7L 6A3
Télécopieur: (905)319-9902
Tel:(905) 319-7035



October 24, 2013

Li Cui
StoneHouse
2172 Wyecroft Rd, Unit 20
Oakville, Ontario
L6L 6R1
stonehouseburlington@yahoo.ca

Dear Ms. Cui

RE: Dust complaint – 2172 Wyecroft Road, Unit 20, Oakville
Reference Number 4510-9AELZ2

This letter is a follow-up to my August 20, 2013 site visit to the above noted property. I understand that you are the co-owner of StoneHouse.

The visit was conducted in response to reports of dust complaints received by the Ministry of the Environment. During the visit, I observed dust being generated by employees grinding marble counter tops inside the Stonehouse unit. Two overhead bay doors were open and dust emissions travelled outside the unit with the potential to cause an adverse effect, as defined in the Environmental Protection Act (EPA), R.S.O. 1990. I also observed two large portable floor fans located inside the unit, near the grinding operations. One of the fans was located approximately 7 feet from the open bay door and was blowing air towards the door.

I reasonably believe that StoneHouse is in violation of section 14 of the EPA which states that,

"14. (1) ... a person shall not discharge a contaminant or cause or permit the discharge of a contaminant into the natural environment, if the discharge causes or may cause an adverse effect."

An adverse effect may include harm or material discomfort to any person, an adverse effect on the health of any person, or interference with the normal conduct of business.

In addition, Stonehouse is in violation of Section 9 (1)(a) of the EPA, which states that,

"9. (1) ... no person shall, except under and in accordance with an environmental compliance approval, use, operate, construct, alter, extend or replace any plant, structure, equipment, apparatus, mechanism or thing that may discharge or from which may be

discharged a contaminant into any part of the natural environment other than water.”

During the visit, we spoke by telephone where I informed you of the complaint received and of the violation while you indicated that you would keep the bay doors closed moving forward. I subsequently attended the site on September 5 and 10, 2013 and observed dust escaping your unit through an open bay door on both occasions. During a second telephone conversation on October 4, 2013, we again discussed the preventative measure of keeping the doors closed. Additionally, you informed me that you will be installing a dust collector which will vent to the inside of the building and will be installed in approximately three months. You also indicated that you are committed to keeping the ministry updated.

Until such time that a dust collection system is proven effective in mitigating dust emissions, StoneHouse is required to immediately take steps to control dust emissions from the above noted property, including but not limited to: keeping the bay doors closed (other than during emergencies or when equipment/material is moved, provided no emissions will be discharged to the natural environment), ceasing any cutting, grinding or other dust producing activities outdoors and improving housekeeping (daily removal of dust outside and inside the unit).

Failure to adhere to these measures or to allow repeat violations of section 14 of the EPA may result in further mandatory abatement actions, which may include a requirement to obtain an approval under section 9 of the EPA.

Should you have questions with regard to this letter, please contact the undersigned at (905) 319-7035.

Yours truly,



Denise Plourde
Senior Environmental Officer
Halton-Peel District Office

File Storage Number: SI HP OA WY 100

INCIDENT REPORT

Reference Number:	4510-9AELZ2	File Storage Number:	SI-HP-CA-WY-100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	6452-9AEMD6 
Originating Document:		Created by:	Elizabeth Chee Sing
Incident Report Reference Number:	4510-9AELZ2 		
Date Created:	2013/08/09	Date Completed:	
Bring Forward Date:		Bring Forward Reason:	
Status:	Recommended		
Program	Air	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modelled) or **wastewater** (sewage) **discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

s.21

Caller or PO Information

	Unit Identifier:
	Delivery Identifier:
	Postal Code:
	Email Address:

Reported By:	
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MOE Information

Date & Time Reported to MOE:	2013/08/09 12:07		
Office Receiving Incident Report:	Spills Action Centre		
Incident Info Received By:	Elizabeth Chee Sing		
MOE Response:	Deferred Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2013/08/20 12:48		
Master Incident Report Number:			

SAC Action Class:	Pollution Incident Reports (PIRs) and "Other" calls
Non-Standard Procedure:	No
ERP Call-out Initiated:	No

Client(s)

Client Details
<p>StoneHouse Mailing Address: 2172 Wycroft Rd, Oakville, Ontario, Canada, L6L 6R1 Physical Address: 2172 Wycroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada Telephone: (416)887-1958 Client #: 3459-9B3Q6G, Client Type: Corporation</p>

Site(s)

Site Details
<p>2172 Wycroft Road Address: Unit 20 - 2172 Wycroft Rd, Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel Site #: 8045-9B3Q92</p>

Incident Information

Incident Summary:	Dust complaint <i>cannot be longer than 60 characters</i>
Incident Description:	<p>Caller reports a business that is 2 units down is finishing granite countertops outside and the dust is impacting their property. Caller reports they are not able to keep their doors open and is concerned about silica exposure. Caller reports if the company is not doing the work outside, they work near the doors to their unit and use fans to blow the dust outside. Caller reports there is no dust collection system and recently the company has been using misters to help with dust control but there is still dust migrating off-site. Caller reports the dust was much worse before they began complaining to the landlord and Town by-law. Caller was referred to the MOE.</p> <p>The company is Stonehouse Granite, 2172 Wycroft Rd, unit 20 & 21, 289-291-1604, owner Ly Cui.</p> <p>DP - 1290 Tuesday, August 20, 2013: 12:48 pm: Arrive onsite and meet the complainant. Every day the neighbouring company uses fans to blow dust air out of their unit. They moved in a year and a half ago. At the beginning they didn't have many customers, now they're busier. He also contacted city by-law and the landlord. The dust is also an issue in the winter. They have no filtration system.</p> <p>Go to unit 20 and speak with William Lee. Observe dust blowing from the unit and observe wind spreading the dust outside. William calls Li Cui, Sale Manager. Inform Li that they cannot blow dusty air outside. Inform her of EPA requirements, the definition of a contaminant and adverse effect. Li will keep the two back bay doors closed. The doors are closed.</p> <p>4:56 pm: Email sent by the complainant.</p> <p>Wednesday, August 21, 2013: 4:34 pm: Message left by the complainant. Did I receive his email?</p> <p>Tuesday, August 27, 2013: 3:00 pm: Receive a call from the complainant. The doors have not been kept closed. I will attend the site tomorrow.</p> <p>Wednesday, August 28, 2013: 9:30 am: Arrive onsite with EO Leah Noordhof and speak with William. They haven't started their operations for the day. The bay doors are closed. They don't have specific hours of operation. A door may be open for a half hour</p>

while they are loading. No dust observed.

2:54 pm: Call the complainant. No answer and no answer machine.

4:10 pm: Message left by the complainant. He missed my call.

Thursday, August 29, 2013:

1:55 pm: Arrive onsite. Two of 3 bay doors are open. No operations. The employees are sitting outside eating. No dust is observed.

Wednesday, September 4, 2013:

1:01 pm: Message left by the complainant. The neighbour is closing their doors but are leaving a foot and a half open at the bottom. They are wide open now.

Thursday, September 5, 2013:

1:08 pm: Arrive onsite. Both bay doors are open. William isn't onsite. Employees are grinding inside. Speak with Jackie and he closes the doors. Inform him that if they generate dust, they must keep the doors closed.

Tuesday, September 10, 2013:

12:22 pm: Arrive onsite. One bay door is half open, observe some dust escaping. Upon my arrival, an employee closes the door. Product is being loaded at the other bay door and no dust is escaping. Speak with William. They will keep the doors closed when not in use.

Monday, September 16, 2013:

2:44 pm: Call the complainant and provide an update. He hasn't noticed any improvements with the dust. Sometimes the door is partially closed.

3:02 pm: Call Li of StoneHouse, no answer.

3:11 pm: Receive a call from Li and Jeff who is a driver for the company. Inform her of my site visits. I have observed the door partially open with dust escaping. There is a dispute between them and the complainant. Inform them that they must prevent dust from escaping from their business into the atmosphere.

Wednesday, September 18, 2013:

10:55 am: Arrive onsite and both bay door are closed. No dust observed.

Tuesday, September 24, 2013:

11:01 am: Arrive onsite and both bay doors are open. Employees are grinding inside the unit. No dust is observed escaping the unit. An employee closes one of the doors. The other door is being used to load product. William and Li aren't onsite. Speak with Ho. Ho indicates that much of what the complainant is observing is mist. They apply water as they grind the marble.

Speak with the complainant and provide an update. View videos that the complainant has recorded.

Thursday, October 3, 2013:

5:03 pm: Receive a message from Li. She's looking into dust collectors.

Friday, October 4, 2013:

8:38 am: Call Li. It will take them two to three months to have the collector built and installed. Li is the co-owner. Discuss the door closing procedure.

Friday, November 29, 2013:

1:20 pm: Arrive at StoneHouse. All the bay doors are closed.

Friday, April 11, 2014:

9:10 am: Arrive at StoneHouse and observe one bay door open. No work observed, no dust escaping the unit.

11:20 am: Call Li Cui (416) 887-1958. She hasn't purchased the dust collector yet. It's a big expense for their company and they are on a tight budget. They plan to install a dust collector sometime next year. The Ministry will provide time for the company to install the equipment as long as there are no dust issues. I will do periodic checks. Inform Li that I checked the site today and didn't observe any dust. She isn't always on site. Now that it's spring, she will review the door closing procedure with employees again.

Friday, January 23, 2015:

11:02 am: Call Li Cui, no answer and unable to leave a message.

11:22 am: Receive a call from Li. [REDACTED] They will install the dust collector when they have extra funds. Explain that it's up to the company if they install the equipment or not. What is required is that they prevent dust from leaving their unit. They cannot operate with their doors open.

s.N/R

Wednesday, May 16, 2018:
 7:59 am: Call Li and leave a message. Did they install a dust collector?
 9:50 am: Receive a call from Li. They didn't install a dust collector. They operate with a different machine and use the wet cutting method. Inform her that the ministry hasn't received any recent complaints. Nonetheless, they cannot allow dust to escape from their unit. Review the door closing procedure.
 Close file

Links & Comments:	
Attachments Names:	20130820-23.JPG; 20130820-25.JPG; 20180820-26.JPG

Date & Time of Incident	Incident Date Confirmation? Actual 2013/08/09		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:	Possible		
Nature of Impact:	Air Pollution, Human Health/Safety		
Incident Event:		Incident Reason:	
Damaged Party:	No		

Contaminants Table							
Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]	
DUST	32	n/a			other - see incident description	n/a	

Controller of Material:	Stonehouse Granite	Owner of Material:	Stonehouse Granite
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	0 %	MOE/Other Agencies Involved:	Province - MOE-District Office

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
VA	4510-9AELZ2	To review the door closing proc ...	2014/04/11	2014/04/11

Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence}	

Provincial Officer:

Name: Denise Plourde
Badge No: 1290

Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2018/05/16

Signature: 

District/Area Supervisor:

Name:

Work Unit:
District/Area Office:
Date:

Signature:

INCIDENT REPORT

Reference Number:	2018-8LQJ8G	File Storage Number:	SI-HP-CA-WY-100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	1135-8LQJDY 
Originating Document:		Created by:	Diana Smith
Incident Report Reference Number:	2018-8LQJ8G 		
Date Created:	2011/09/15	Date Completed:	2012/02/08
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Water - Ground & Surface	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modelled) or **wastewater** (sewage) **discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

s.21

	Name of Company:	
	Town of Oakville	
		Unit Identifier:
		Delivery Identifier:
	Province/State:	Postal Code:
	Ontario	
	Other Number:	Email Address:
	Fax	

Reported By:	
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MOE Information

Date & Time Reported to MOE:	2011/09/15 09:48		
Office Receiving Incident Report:	Spills Action Centre		
Incident Info Received By:	Diana Smith		
MOE Response:	Deferred Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2011/09/27 14:00		
Master Incident Report Number:			

SAC Action Class:	Pollution Incident Reports (PIRs) and "Other" calls
Non-Standard Procedure:	No
ERP Call-out Initiated:	No

Client(s)

Client Details
<p>Wycroft Ventures Corporation Mailing Address: 262 Foxridge Dr Ancaster, Hamilton, Ontario, Canada, L9G 4R9 Physical Address: 262 Foxridge Dr Ancaster, Hamilton, City, Ontario, Canada Telephone: (905)304-9570 Client #: 0472-8M6NRG, Client Type: Corporation Additional Address Info: Ancaster</p>

Site(s)

Site Details
<p>2172 Wycroft Rd<UNOFFICIAL> Address: Lot: , Part: , 2172 Wycroft Rd., Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel</p>

Incident Information

Incident Summary:	Wycroft Complex - Possible diesel/gas spill to grass <i>cannot be longer than 60 characters</i>
Incident Description:	<p>Caller reports that he was onsite yesterday at 2172 Wycroft Road and there was a strong odour of diesel or gasoline at the facility. Upon further investigation he found an area of dead grass and some shrubbing material was also dead. The odour was the strongest in that area as well. The area is fenced off and from the aerial photos it looks like it is contained to the one property. Caller has pictures of the area that were taken yesterday. There were plastic jerry cans located on the one side of the dead grass area.</p> <p>There are 3 buildings on the site with a number of units within each building Complex owner - Wycroft Ventures Corporation, 262 Foxridge Drive, Ancaster, L9G 4R9 (no contact name or phone number available). Caller spoke with HP MOE (Denise Plourde) on Sept 15, 2011</p> <p>Copy to TSSA</p> <p>DP -1290 Thursday, September 15, 2011: 9:33 am: Receive a call from Frank Price with the Town of Oakville. He conducted a letter of credit inspection at 2172 Wycroft Rd yesterday. He observed an area of dead grass and detected a gasoline odour. The triangular area measured about 8 feet in width at the widest point and 20 feet in length. The area is on and off-site. He will email info.</p> <p>Conduct a file search. There are a number of businesses at this address.</p> <p>10:29 am: Receive an email from Frank. See attachments</p> <p>11:43 am: Call Frank. Which company uses the compound for storage? He believes the compound may be shared.</p> <p>1:21 am: Email IRC.</p> <p>Friday, September 16, 2011 4:42 pm: Receive the land registry information and the corporation profile from IRC. It appears from the map provided that the area of dead grass is located on-site and not on the neighbouring GO Station property.</p>

Tuesday, September 27, 2011:

2:00 pm: Arrive on-site and observe two areas located in the back parking lot enclosed by a chain link fence. The areas are located near the NE perimeter, bordering the GO Station. Observe a patch of dead grass between the fence and the GO Station. No odours detected. Meet James Cook, owner of Essential Flat Roofing of unit 16. His company uses one of the storage areas. The other area was used by a landscaping company who are no longer leasing a unit. They used the area to store materials, including salt. James recalls that a contractor retained by the property owner stored materials such as concrete abutments on the grassy area. James believes that the grass died as a result of the storage or maybe the salt. Take photos.

Wednesday, September 28, 2011:

10:34 am: Call the property owner Jim Bezemer (905) 304-9570. The fenced in storage areas are used by tenants. One area is used by a roofing company and the other was used by a landscape company who no longer lease a unit. The landscape company stored supplies and materials such as mulch and salt. The salt was stored in a container. Materials and a sea container were stored near the fence for about a year. He is unaware of any on-site spills. No waste or chemicals are stored in that area. Notify the owner that he cannot allow contaminants from his property to be disposed onto a neighbouring property. He will call his on-site contact to assess the dead grass area. He doesn't recall a patch of dead grass.

10:53 am: Receive a message from Jim. He spoke to his on-site contact. The sea container was stored where the dead grass is located. He believes this is the cause of the dead grass.

11:38 am: Call Frank Price with the Town and provide an update. Notify Frank that the dead grass area is located on-site.

Close file

Links & Comments:	
Attachments Names:	2172 Wyecroft Prop Owners.pdf; CorporationProfile .pdf; DSCN0936.JPG; DSCN0937.JPG; Email15Sept2011.htm; LandRegistryInfo.pdf

Date & Time of Incident	Incident Date Confirmation? Estimated 2011/09/14		
Source Type:	Other	Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:	Possible		
Nature of Impact:	Soil Contamination, Vegetation Damage		
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:		Owner of Material:	
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	%	Agencies Involved:	

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
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Offence(s)

Suspected Violation(s)/Offence(s):
Act - Regulation - Section, Description {General Offence}

Provincial Officer:

Name: Denise Plourde
Badge No: 1290

Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2011/09/29

Signature: 

Senior Environmental Officer:

Name: Ken Simmons

Work Unit:
District/Area Office: Halton-Peel District Office
Date: 2012/02/08

Signature: 

INCIDENT REPORT

Reference Number:	3467-6RLNMK	File Storage Number:	SI-HP-OA-WY-100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	7137-6RLNPR 
Originating Document:		Created by:	Rachel Krisak
Incident Report Reference Number:	3467-6RLNMK 		
Date Created:	2006/07/11	Date Completed:	2006/11/20
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Air	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modeled) or **wastewater (sewage) discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:		Name of Company:	
<input checked="" type="checkbox"/> Anonymous			
Contact Mailing Address			
Civic Address:		Unit Identifier:	
Delivery Designator:		Delivery Identifier:	
Municipality:	Postal Station:	Province/State:	Postal Code:
Oakville		Ontario	
Telephone Number:	Extension:	Other Number:	Email Address:

Reported By:	
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MOE Information

Date & Time Reported to MOE:	2006/07/11 13:32		
Office Receiving Incident Report:	Halton-Peel District Office		
Incident Info Received By:	Rachel Krisak		
MOE Response:	Planned Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:	2006/07/25		
Master Incident Report Number:			
SAC Action Class:			

Non-Standard Procedure:	No
ERP Call-out Initiated:	

Client(s)

Client Details
<p>New West Gypsum Recycling (Ont.) Inc. Mailing Address: 2182 Wyecroft Rd, Oakville, Ontario, Canada, L6L 5V6 Physical Address: Concession: , Plan: , 2182 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 5V6 Telephone: (905)847-0520, FAX: (905)847-0522, email: oakville@nwgypsum.com Client #: 5629-6VCQKK, Client Type: Corporation</p>

Site(s)

Site Details
<p>New West Gypsum Address: Concession: , Plan: , 2182 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton District Office: Halton-Peel Site #: 2702-6VCQSP</p>

Incident Information

Incident Summary:	New West: Caller complains about dust <i>cannot be longer than 60 characters</i>
Incident Description:	<p>Caller complaining about dust from operation beside them. They are located at 2172 Wyecroft Road, Oakville. Claims his car is being coated in dust every day... doors are often open at neighbouring company. Would like to be contacted after officer attends site. Just wants to know if what the company is doing would be considered acceptable.</p> <p>July 25 and a couple times in August. Observed some dust emanating from building through open doorways but cars in adjacent to site were not significantly different closer to New West than farther away. Dust accumulation visisble on New West pavement. Higher fugitives when doors open, but staff closed them after truck left.</p> <p>File shows MOE has had particulate filters there before, and levels off-site were ok. Rec for next years inspection plan</p> <p>Caller has not called again.</p>

Attachments, Links & Comments:	
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Date & Time of Incident	Incident Date Confirmation? Actual 2006/07/11		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:	Possible		
Nature of Impact:			
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:		Owner of Material:	
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	%	Agencies Involved:	

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> To be determined
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Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
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Offence(s)

Suspected Violation(s)/Offence(s):
Act - Regulation - Section, Description {General Offence} 1) EPA - 14 (1). Despite any other provision of this Act or the regulations, no person shall discharge a contaminant or cause or permit the discharge of a contaminant into the natural environment that causes or is likely to cause an adverse effect. {186 (1)}

Provincial Officer:

Name: Dorienne Cushman
 Badge No: 252

Work Unit:

District/Area Office: Halton-Peel District Office
 Date: 2006/11/08

Signature:

District Manager:

Name: Tracey Goodwin

Work Unit:

District/Area Office: Halton-Peel District Office
 Date: 2006/11/20

Signature:

INCIDENT REPORT

Reference Number:	1422-7KWPXV	File Storage Number:	SI-HP VARIOUS 100
Module:	Incident Reporting	Module Type:	Pro-Active
Cross Reference:	(doc link)	Task Link:	5720-7KWPZ3 
Originating Document:		Created by:	Karen Wassink
Incident Report Reference Number:	1422-7KWPXV 		
Date Created:	2008/10/30	Date Completed:	2009/04/29
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Air	Activity:	Notifications

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:			
	First Name	Last Name	
	Karen	Wassink	
Contact Mailing Address			
Municipality:			
Burlington			

Reported By:	
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MOE Information

Date & Time Reported to MOE:	2008/10/30 14:42		
Office Receiving Incident Report:	Halton-Peel District Office		
Incident Info Received By:	Karen Wassink		
MOE Response:	No Field Response	Site Region:	Central
Date & Time of MOE Arrival at Scene:			
Master Incident Report Number:			
SAC Action Class:			
Non-Standard Procedure:	No		
ERP Call-out Initiated:			

Client(s)

Client Details
Nicholson Chemical Inc Mailing Address: Unit 18 - 2172 Wyecroft Rd, Oakville, Ontario, Canada, L6L 6R1 Physical Address: Unit 18 - 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 6R1 Telephone: (905)555-5555 Client #: 8480-7QRKPH, Client Type: Corporation + + + +
Nisim International Inc Mailing Address: 204 Wilkinson Rd, Brampton, Ontario, Canada, L6T 4M4 Physical Address: 204 Wilkinson Rd, Brampton, City, Regional Municipality of Peel, Ontario, Canada, L6T 4M4 Telephone: (905)555-5555 Client #: 9178-7QRKY3, Client Type: Corporation + + + +
Nitrochem Corp. Mailing Address: 306 - 6733 Mississauga Rd, Mississauga, Ontario, Canada, L5N 6J5 Physical Address: 306 - 6733 Mississauga Rd, Mississauga, City, Regional Municipality of Peel, Ontario, Canada, L5N 6J5 Telephone: (905)542-6408 Client #: 9136-67GLQG, Client Type: Corporation, NAICS: 325188 + + + +
Norjohn Transfer Systems Limited Mailing Address: 5030 Mainway, Burlington, Ontario, Canada, L7L 5Z1 Physical Address: 5030 Mainway, Burlington, City, Regional Municipality of Halton, Ontario, Canada, L7L 5Z1 Telephone: (905)555-5555 Client #: 2453-7QRL5U, Client Type: Corporation + + + +
Normac Adhesive Products Inc Mailing Address: 1350 Heine Crt, Burlington, Ontario, Canada, L7L 6M4 Physical Address: 1350 Heine Crt, Burlington, City, Regional Municipality of Halton, Ontario, Canada, L7L 6M4 Telephone: (905)555-5555 Client #: 2435-7QRL7Z, Client Type: Corporation + + + +
North American Rebuilders Ltd Mailing Address: 1394 Wallace Rd, Oakville, Ontario, Canada, L6L 2Y2 Physical Address: 1394 Wallace Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 2Y2 Telephone: (905)555-5555 Client #: 4042-7QRLAE, Client Type: Corporation + + + +
Northeast Engineering/Dev Ltd Mailing Address: 26 McEwan Dr W, Caledon, Ontario, Canada, L7E 1E6 Physical Address: 26 McEwan Dr W, Caledon, Town, Regional Municipality of Peel, Ontario, Canada, L7E 1E6 Telephone: (905)555-5555 Client #: 5754-7QRLJ7, Client Type: Corporation + + + +
NS Auto Electric Mailing Address: Unit 15 - 7015 Tranmere Dr, Mississauga, Ontario, Canada, L5S 1T7 Physical Address: Unit 15 - 7015 Tranmere Dr, Mississauga, City, Regional Municipality of Peel, Ontario, Canada Telephone: (905)555-5555 Client #: 8142-7QRLS2, Client Type: Corporation + + + +
Oakville Starter Alternator Mailing Address: Unit 11 - 427 Speers Rd, Oakville, Ontario, Canada, L6K 3S8 Physical Address: Unit 11 - 427 Speers Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada Telephone: (905)555-5555 Client #: 5002-7QRLUN, Client Type: Corporation + + + +
Oakville Transmission Inc Mailing Address: Unit 11 - 467 Speers Rd, Oakville, Ontario, Canada, L6K 3S4 Physical Address: Unit 11 - 467 Speers Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6K 3S4 Telephone: (905)555-5555 Client #: 5048-7QRLZ2, Client Type: Corporation

+ + + +

Ontario Boat Builders Co-op Inc

Mailing Address: Unit 6 - 2265 Royal Windsor Dr, Mississauga, Ontario, Canada, L5J 1K5

Physical Address: Unit 6 - 2265 Royal Windsor Dr, Mississauga, City, Regional Municipality of Peel, Ontario, Canada, L5J 1K5

Telephone: (905)555-5555

Client #: 8578-7QRMZW, Client Type: Corporation

+ + + +

Oxibrite Inc

Mailing Address: Unit 43 - 1200 Aerowood Dr, Mississauga, Ontario, Canada, L4W 2S7

Physical Address: Unit 43 - 1200 Aerowood Dr, Mississauga, City, Regional Municipality of Peel, Ontario, Canada, L4W 2S7

Telephone: (905)555-5555

Client #: 7739-7QRNA5, Client Type: Corporation

+ + + +

Parts Manufacturing Co. Ltd

Mailing Address: 2579 Rena Rd, Mississauga, Ontario, Canada, L4T 1G6

Physical Address: 2579 Rena Rd, Mississauga, City, Regional Municipality of Peel, Ontario, Canada, L4T 1G6

Telephone: (905)555-5555

Client #: 5317-7QRND3, Client Type: Corporation

+ + + +

Pat's Driveline Specialty

Mailing Address: Unit 3 - 1235 Shawson Dr, Mississauga, Ontario, Canada, L4W 1C4

Physical Address: Unit 3 - 1235 Shawson Dr, Mississauga, City, Regional Municipality of Peel, Ontario, Canada, L4W 1C4

Telephone: (905)555-5555

Client #: 9458-7QRNJL, Client Type: Corporation

+ + + +

Northland Chemical Inc.

Mailing Address: Unit 9 - 2460 Anson Dr, Mississauga, Ontario, Canada, L5S 1G7

Physical Address: Unit 9 - 2460 Anson Dr, Mississauga, City, Regional Municipality of Peel, Ontario, Canada, L5S 1G7

Telephone: (905)555-5555

Client #: 1967-7QRLPB, Client Type: Corporation

Site(s)

Site Details

Nicholson Chemical Inc

Address: Unit 18 - 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, L6L 6R1

District Office: Halton-Peel

Site #: 0171-7QRKQP

+ + + +

Nisim International Inc

Address: 204 Wilkinson Rd, Brampton, City, Regional Municipality of Peel, L6T 4M4

District Office: Halton-Peel

Site #: 8405-7QRL2W

+ + + +

Nitrochem Corp

Address: 306 - 6733 Mississauga Rd, Mississauga, City, Regional Municipality of Peel, L5N 6J5

District Office: Halton-Peel

Site #: 1405-7QRL53

+ + + +

Norjohn Transfer Systems Limited

Address: 5030 Mainway, Burlington, City, Regional Municipality of Halton, L7L 5Z1

District Office: Halton-Peel

Site #: 1293-7QRL6Q

+ + + +

Normac Adhesive Products Inc

Address: 1350 Heine Crt, Burlington, City, Regional Municipality of Halton, L7L 6M4

District Office: Halton-Peel

Site #: 6757-7QRL8V

+ + + +

North American Rebuilders Inc
Address: 1394 Wallace Rd, Oakville, Town, Regional Municipality of Halton, L6L 2Y2
District Office: Halton-Peel
Site #: 6747-7QRLFP

+ + + +

Northeast Engineering/Dev Ltd
Address: 26 McEwan Dr W, Caledon, Town, Regional Municipality of Peel, L7E 1E6
District Office: Halton-Peel
Site #: 2983-7QRLM4

+ + + +

NS Auto Electric
Address: Unit 15 - 7015 Tranmere Dr, Mississauga, City, Regional Municipality of Peel
District Office: Halton-Peel
Site #: 1627-7QRLTJ

+ + + +

Oakville Starter Alternator
Address: Unit 11 - 427 Speers Rd, Oakville, Town, Regional Municipality of Halton
District Office: Halton-Peel
Site #: 6577-7QRLW7

+ + + +

Oakville Transmission Inc
Address: Unit 11 - 467 Speers Rd, Oakville, Town, Regional Municipality of Halton, L6K 3S4
District Office: Halton-Peel
Site #: 7418-7QRLZU

+ + + +

Ontario Boat Builders Co-op Inc
Address: Unit 6 - 2265 Royal Windsor Dr, Mississauga, City, Regional Municipality of Peel, L5J 1K5
District Office: Halton-Peel
Site #: 6419-7QRN8B

+ + + +

Oxibrite Inc
Address: Unit 43 - 1200 Aerowood Dr, Mississauga, City, Regional Municipality of Peel, L4W 2S7
District Office: Halton-Peel
Site #: 7815-7QRNBC

+ + + +

Parts Manufacturing Co. Inc
Address: 2579 Rena Rd, Mississauga, City, Regional Municipality of Peel, L4T 1G6
District Office: Halton-Peel
Site #: 5160-7QRNEC

+ + + +

Pat's Driveline Specialty
Address: Unit 3 - 1235 Shawson Dr, Mississauga, City, Regional Municipality of Peel, L4W 1C4
District Office: Halton-Peel
Site #: 7857-7QRNKU

+ + + +

Northland Chemical
Address: Unit 9 - 2460 Anson Dr, Mississauga, City, Regional Municipality of Peel, L5S 1G7
District Office: Halton-Peel
Site #: 3966-7QRNU3

Incident Information

Incident Summary:	O. Reg. 419 Compliance Sch. 5 <i>cannot be longer than 60 characters</i>
Incident Description:	Compliance Promotion, O. Reg. 419/05, Air Pollution - Local Air Quality

Attachments, Links & Comments:

Sch 5 Pat's Driveline Specialty.doc Sch 5 Nicholson Chemical.doc Sch 5 Nisim International Inc..doc
 Sch 5 Nitrochem Corp..doc Sch 5 Norjohn Transfer Sys Ltd..doc Sch 5 Normac Adhesive Products Inc..doc
 Sch 5 North American Rebuilders Ltd..doc Sch 5 Northeast Engineering.doc
 Sch 5 Northland Chemical Inc..doc Sch 5 NS Auto Electric.doc Sch 5 Oakville Starter Alternator.doc
 Sch 5 Oakville Transmission Inc..doc Sch 5 Ont Boat Builders.doc Sch 5 Oxibite Inc..doc
 Sch 5 Paris Manufacturing Co. Ltd.doc

Date & Time of Incident	Incident Date Confirmation? Actual 2008/10/30						
Source Type:		Sector Type:					
Nearest Watercourse:		Watershed Category Code:					
Environmental Impact:							
Nature of Impact:							
Incident Cause:		Incident Reason:					
Damaged Party:	No						
Contaminants Table							
	Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]
Controller of Material:		Owner of Material:					
Estimated Clean Up Cost:		Who Cleaned Up:					
% Clean Up:	%	Agencies Involved:					

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> To be determined
---	---------------------------	-------------------------------------	--

Voluntary / Mandatory Compliance Items

Type Parent RefNo Work Summary (may be truncated) Date AttainList

Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence}	

Provincial Officer:

Name: Ashleigh Boucher

Badge No:

Work Unit:

District/Area Office: Halton-Peel District Office

Date: 2009/03/04

Signature:

District Manager:

Name: Celeste Dugas

Work Unit:

District/Area Office: Halton-Peel District Office

Date: 2009/04/29

Signature:



Ministry of the Environment

Central Region
Halton-Peel District Office

4145 North Service Road, Suite 300
Burlington ON L7L 6A3
Tel.: 905 319-3847
Fax: 905 319-9902

Ministère de l'Environnement

Région du Centre
Bureau du district de Halton-Peel

4145 North Service Road, bureau 300
Burlington ON L7L 6A3
Tél. : 905 319-3847
Télec. : 905 319-9902



April 3, 2009

Nicholson Chemical Inc.
2172 Wyecroft Rd, Unit 18
Oakville, ON
L6L 6R1

O. Regulation 419/05: Air Pollution – Local Air Quality

Please be advised that Ontario Regulation 419/05 came into force on November 30, 2005 and was most recently amended on August 31, 2007. This regulation changes the way air emissions are regulated in Ontario. Regulation 419/05 imposes requirements that may affect your facility today and in the future.

Regulation 419/05 is the primary regulatory tool the Ontario Ministry of the Environment is using to implement standards for contaminants that emitters in Ontario must meet to protect local air quality.

Regulation 419/05 introduced new air standards and sets out new requirements concerning the use of air dispersion models. Regulation 419/05 phases in new or more stringent air standards, the use of advanced air dispersion models and other related requirements. The following time lines may affect you.

- On February 1, 2010 and February 1, 2013, new or more stringent air standards for contaminants in Schedule 7 begin to take effect. All facilities that emit these contaminants will have to meet the applicable standards in Schedule 2 or Schedule 3 as they are phased in. (Note that all Schedules can be found at the end of Regulation 419/05);
- By February 1, 2010, Schedule 4 sector facilities are required to comply with all standards in Schedule 3 using the advanced approved air dispersion models;
- By February 1, 2013, Schedule 5 sector facilities are required to comply with all standards in Schedule 3 using the advanced approved air dispersion models; and
- By February 1, 2020 all other facilities are required to comply with all standards in Schedule 3 using the advanced approved air dispersion models.

In addition, by February 1, 2010 Schedule 4 sector facilities and by February 1, 2013 Schedule 5 sector facilities are required under sections 23 and 25 of Regulation 419/05 to prepare and annually update an Emission Summary and Dispersion Modelling (ESDM) report. In addition, the Regulation sets out specific requirements for the preparation of ESDM reports.

Facilities affected by the new or updated standards and advanced approved air dispersion models in Regulation 419/05 that face barriers to achieving compliance with the standards due to technical and, economic or time-related issues may be eligible to submit a request to the Standards Development Branch of the Ontario Ministry of the Environment for a site specific alternative standard (See section 32 of Regulation 419/05).

OCCURENCE REPORT

Location of Occurrence: OAKVILLE TOWN Reg: 3 Dist: HP Municipality: 14403		Source: NEW WEST GYPSUM 2182 WYECROFT ROAD OAKVILLE Sector: GN Source: OT SIC: UTM: N: <input type="checkbox"/> E: <input type="checkbox"/> Zone: <input type="checkbox"/>	
Entered: :	ORIS No. 9230502535	Abstracts:	Diaries: 1
Received By: SANDY PATERSON		Batch: 773	I. E. B. No.
Occurrence Type: C	Subtype: 03	Occurrence Date:	1992/10/06
Work Plan:		Occurrence Time:	12:30
		Report to MOE : 1992/10/06 12:30 MOE at Scene :	
		Assigned To:	CHUCK MICHEAU
		ERP Contacted: Callout: <input type="checkbox"/> NSP: <input type="checkbox"/> ERP Name:	
		Syn: NEW WEST GYPSUM - EMITTING DUST	
Brief Summary: CALLER REPORTING NEW WEST GYPSUM CONTINUOUSLY EMITS A WHITE DUST WHICH COVERS EVERYTHING. 92/11/05 : SPOKE WITH COMPLAINANT WHO EXPRESSED CONCERN RE: DUST EMITTED WHEN DOORS ARE OPENED. NO REAL PROPERTY IMPACT. 16:15 : VISITED SITE AND SPOKE WITH MARK HORNS, SUPERVISOR. TWO INTERNAL BAGHOUSES WERE INSTALLED TWO MONTHS AGO. ALSO AN ADDITIONAL SPRINKLER WILL BE ADDED TO WET MATERIAL NEXT WEEK. WHEEL WASH FOR TRUCKS FUNCTIONING PROPERLY.			
If there are related reports, record initial/master ORIS No. here >>			
Followup Action: <input checked="" type="checkbox"/> Abatement <input type="checkbox"/> IEB <input type="checkbox"/> Other			
BF Date: WILL MONITOR SITUATION.			
File Closed: <input checked="" type="checkbox"/> Abatement: <input type="checkbox"/> IEB <input type="checkbox"/> Other			
Suspected Violation:			
Report Prepared By: CHUCK MICHEAU	Date: 09/11/92	IEB Investigator:	IEB BF Date
Approving Officer BOB ADCOCK	Date: 10/11/92	Reviewing Officer:	Date
Specify number(s) for routing Original [] [] [] [] []		Continued [] Yes	
Specify number(s) for copy distribution [] [] [] [] [] []			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
SAC Action Class: 1: 2:			

s.21

Material 1: Amount :	Code : UN No.:
Material 2: Amount :	Code : UN No.:

Material 3:		Code :
Amount :		UN No.:
Cause. :		Code. . :
Reason. :		Code. . :
Person in Control:		Waste GenNum :
Owner :		Waste GenNum :
Agencies Involved :		
Clean up and Restoration Carried out by:		
<input checked="" type="checkbox"/> Controller <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Other		
% Cleaned up:		Estimated Cost:
Were Directions or Approval Given Under		
EPA Part X <input checked="" type="checkbox"/>	Regulation 362 <input checked="" type="checkbox"/>	Manifest No.
Waste Class :		Code . . :
Hauler :		Code . . :
Disposal Site :		Code . . :
Environmental Impact:	Nature of Impact:	Code . . :
People/Business Damaged		
(Other than to Owner/Controller) :		
Nature of Damage:		Code . . :

OCCURENCE REPORT

Location of Occurrence: OAKVILLE TOWN 2172 WYECROFT RD. Reg: 3 Dist: HP Municipality: 14403		Source: OAKVILLE HYDRO TRANSFORMER Sector: GM Source: TF SIC: 4911 UTM: N: [4813000] E: [604000] Zone: [17]	
Entered: 2002/09/22 23:22	ORIS No. 9900075262	Abstracts: 0	Diaries: 0
Received By: JANET GREEN		Batch: 4383	I. E. B. No.
Occurrence Type: N	Subtype: 01	Occurrence Date:	2002/09/22
Work Plan:	CS	Occurrence Time:	20:00
Reported By: GREG CLARK OAKVILLE HYDRO		Report to MOE : 2002/09/22 22:15 MOE at Scene:	
Telephone No. 905-825-9400 x	Alternate No. x	Assigned To:	DORIENNE CUSHMAN
Address: OAKVILLE Postal Code:		ERP Contacted: Callout: <input type="checkbox"/> NSP: <input type="checkbox"/> ERP Name:	
Syn: OAKVILLE HYDRO: UNKNOWN AMOUNT OF TRANSFORMER OIL TO VAULT.			
Brief Summary: CALLER REPORTS THAT DUE TO AGE AND RUSTING A TRANSFORMER AT THE ABOVE LOCATION LEAKED AN UNKNOWN AMOUNT OF TRANSFORMER OIL TO A VAULT. THE OIL IS CONTAINED IN A GRAVEL BOTTOMED VAULT WHICH WILL BE CLEANED TOMORROW. NONE OF THE MATERIAL LEFT SITE OR WENT TO ANY WATER. THE TRANSFORMER WAS INSTALLED 1987 THEREFORE OIL DOES NOT CONTAIN PCB.			
If there are related reports, record initial/master ORIS No. here >>			
Followup Action: Abatement IEB Other BF Date: OILY WATER REMOVED (PUMPED INTO 45 GALLON DRUMS AND ABSORBANTS USED). NO ENV CONCERNS. NFA.			
File Closed: Y Abatement: IEB Other Suspected Violation:			
Report Prepared By: DORIENNE CUSHMAN	Date: 26/09/2002	IEB Investigator:	IEB BF Date
Approving Officer ROBERT ADCOCK	Date: 11/10/2002	Reviewing Officer:	Date
Specify number(s) for routing Original [] [] [] [] []		Continued [] Yes	
Specify number(s) for copy distribution [] [] [] [] [] []			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
SAC Action Class: 1: 2:			

Material 1: TRANSFORMER OIL (N.O.S.) Amount : UKN UKN	Code : 15
Material 2: Amount :	UN No.:
Material 3:	Code :
	UN No.:
	Code :

Amount :		UN No.:
Cause. :		Code. . : 98
Reason. :		Code. . : 98
Person in Control: OAKVILLE HYDRO		Waste GenNum :
Owner : OAKVILLE HYDRO		Waste GenNum :
Agencies Involved :		
Clean up and Restoration Carried out by:		
<input checked="" type="checkbox"/> Controller	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Other
Y	Y	
% Cleaned up: 0		Estimated Cost:
Were Directions or Approval Given Under		
EPA Part X [v]	Regulation 362 [v]	Manifest No.
N	N	
Waste Class :		Code . . : 000
Hauler :		Code . . :
Disposal Site :		Code . . :
Environmental Impact:	Nature of Impact:	
P	Soil contamination	Code . . : 07
People/Business Damaged		
(Other than to Owner/Controller) :		
Nature of Damage:		Code . . :

OCCURENCE REPORT

Location of Occurrence: OAKVILLE TOWN		Source: TREE SPECIALIST INC. 2172 WYECROFT ROAD, UNIT 16, OAKVILLE	
Reg: 3 Dist: HP Municipality: 14403		Sector: Source: SIC: UTM: N: [4813000] E: [604000] Zone: [17]	
Entered: 2000/06/23 12:52	ORIS No. 9930008252	Abstracts: 0	Diaries: 0
Received By: ROBIN MCKNIGHT		Batch: 3797	I. E. B. No.
Occurrence Type: C	Subtype: 09	Occurrence Date:	
Work Plan:	PE	Occurrence Time:	
Address:		Report to MOE : 2000/06/23 11:10	
		MOE at Scene:	
		Assigned To:	GERRY HEALY
Postal Code:		ERP Contacted:	NSP: <input type="checkbox"/>
		Callout: <input type="checkbox"/>	ERP Name:
Syn: TREE SPECIALIST: BUYING PESTICIDES WITHOUT PERMIT/LICENCE			
Brief Summary: ** CALLER WISHES TO REMAIN ANONYMOUS** CALLER ADVISED THAT COMPANY IS NOT LICENSED TO BUY CERTAIN PESTICIDES (MSR & MAUGET) SO THEY ARE BUYING THEM FROM ANOTHER COMPANY WHO IS LICENSED. THE OTHER COMPANY NAME IS AL MILEY & ASSOCIATES. ADVISED THAT COMPANY(TREE SPECIALIST) IS ALSO NOT DISPOSING OF THE PRODUCT PROPERLY - JUST PUTTING THEM IN GARBAGE BAGS ON SIDE OF ROAD TO GET PICKED UP. CALLER WOULD LIKE TO BE UPDATED/CONTACTED RE ISSUE. IS ALSO AVAILABLE IF OTHER DETAILS ARE REQUIRED.			
If there are related reports, record initial/master ORIS No. here >>			
Followup Action: Abatement IEB Other			
BF Date: NOT ABLE TO VERIFY ALLEGATIONS.			
File Closed: <input checked="" type="checkbox"/> Abatement: IEB Other			
Suspected Violation:			
Report Prepared By: GERRY HEALY	Date: 06/03/2001	IEB Investigator:	IEB BF Date
Approving Officer ROBERT ADCOCK	Date: 06/03/2001	Reviewing Officer:	Date
Specify number(s) for routing Original [] [] [] [] []		Continued [] Yes	
Specify number(s) for copy distribution [] [] [] [] [] [] []			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
SAC Action Class: 1: 2:			

Material 1:	Code :
Amount :	UN No.:
Material 2:	Code :
Amount :	UN No.:

s.21

Material 3:		Code :
Amount :		UN No.:
Cause. :		Code. . :
Reason. :		Code. . :
Person in Control:		Waste GenNum :
Owner :		Waste GenNum :
Agencies Involved :		
Clean up and Restoration Carried out by:		
<input checked="" type="checkbox"/> Controller <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Other		
% Cleaned up:		Estimated Cost:
Were Directions or Approval Given Under		
EPA Part X <input checked="" type="checkbox"/>	Regulation 362 <input checked="" type="checkbox"/>	Manifest No.
Waste Class :		Code . . :
Hauler :		Code . . :
Disposal Site :		Code . . :
Environmental Impact:	Nature of Impact:	Code . . :
People/Business Damaged		
(Other than to Owner/Controller) :		
Nature of Damage:		Code . . :

OCCURENCE REPORT

Location of Occurrence: OAKVILLE TOWN 2192 WYCROFT Reg: 3 Dist: HP Municipality: 14403		Source: KENCRO CHEMICALS LIMITED 2172 WYECROFT RD, UNIT 4 OAKVILLE ON L6L 5V6 Sector: CH Source: OT SIC: 3711 UTM: N: [0] E: [0] Zone: []	
Entered: 2002/05/09 08:45	ORIS No. 9900060344	Abstracts: 0	Diaries: 1
Received By: KIRSTEN HAMBLETON		Batch: 4439	I. E. B. No.
Occurrence Type: S	Subtype: A	Occurrence Date:	2002/05/09
Work Plan:	AI	Occurrence Time:	08:00
Reported By: ROBERT WHITE DISPATCH OAKVILLE FIRE DEPARTMENT		Report to MOE : 2002/05/09 08:26 MOE at Scene: 2002/05/09 09:15	
Telephone No. 905-845-7114 x4	Alternate No. x	Assigned To:	DORIENNE CUSHMAN
Address: OAKVILLE Postal Code:		ERP Contacted: Callout: <input type="checkbox"/> NSP: <input type="checkbox"/> ERP Name:	
Syn: KENCRO: RELEASE OF MURIATIC ACID TO ATM SEVERAL PEOPLE AFFECTED			
Brief Summary: CALLER REQUESTS MOE PRESENCE AT THE SITE OF A MURIATIC ACID VAPOUR RELEASE - SEVERAL PEOPLE HAVE BEEN AFFECTED AS THEY WALK TO THE PARKING LOT TO THE NEIGHBOURING BUILDING. FIRE DEPT AND AN AMBULANCE ARE ON SITE. 08:31 SAC TO MOE-HP: BRIEFED DORIENNE CUSHMAN - SHE WILL CONTACT CALLER. 09:15 ON SITE; INTERVIEWED IMPACTED STAFF AT ADJACENT FACILITY AND INSPECTED KENCRO CHEMICALS. SEE NOTES. POO ISSUED.			
If there are related reports, record initial/master ORIS No. here >>			
Followup Action: Abatement N IEB Other BF Date: POO P252010 ISSUED MAY 15, 2002, TO APPLY FOR COFA FOR CHEMICAL STORAGE TANKS. APPLICATION RECEIVED BY EAAB.			
File Closed: Y Abatement: IEB Other Suspected Violation: 11			
Report Prepared By: DORIENNE CUSHMAN	Date: 06/12/2002	IEB Investigator:	IEB BF Date
Approving Officer ROBERT ADCOCK	Date: 06/12/2002	Reviewing Officer:	Date
Specify number(s) for routing Original [] [] [] [] []		Continued [] Yes	
Specify number(s) for copy distribution [] [] [] [] [] []			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
SAC Action Class: 1:08 2:			

Material 1: HYDROCHLORIC ACID (MURIATIC ACID)
Amount : UKN

Material 2:
Amount :
Material 3:
Code : 21

UN No.: 1789

Code :
UN No.:
Code :

AMENDED CERTIFICATE OF APPROVAL**AIR**

NUMBER 8440-7ZEPW5

Issue Date: January 25, 2010

Kencro Chemicals Limited
2172 Wyecroft Rd, No. Unit 4
Oakville, Ontario
L6L 5V6

Site Location: Kencro Chemicals
2172 Wyecroft Rd
Oakville Town, Regional Municipality of Halton
L6L 5V6

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) packed bed scrubber, used to control emissions of hydrochloric acid (32% solution) during unloading from truck into storage tank and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- one (1) packed bed scrubber, used to control emissions of either acetic acid (99 % solution) or nitric acid (67 % solution) during unloading from truck into storage tanks and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- four (4) storage tanks for the storage of sodium hydroxide (NaOH) 50% solution, potassium hydroxide (KOH) 45% solution, ferric chloride (FeCl₃) 45% solution, and sulfuric acid (H₂SO₄) 96% solution, respectively, exhausting into the atmosphere with its own vent parameters as outlined in the attached Schedule "A".
- **two (2) storage tanks used for the storage of 12% trade sodium hypochlorite**

solution (10.4 weight percent), exhausting into the atmosphere through a common vent, identified as source 7, with vent parameters as outlined in the attached Schedule "A".

All in accordance with the application for a Certificate of Approval (Air) signed by K.G.(Ken) Dunwoody, dated June 24, 2002 and all supporting information. Revised ESDM report dated January 9, 2010 from Graeme Norval of GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment. E-mail dated January 20, 2010 from GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment.

Schedule "A"

This Schedule "A" forms part of the Certificate of Approval (Air).

Source Identifier	Description	Volumetric flow rate (cubic metre per second)	Exit diameter (metre)	Vent height above grade (metre)	Vent height above the roof (metre)
1	NaOH	0.051	0.076	6.4	0.15
2	KOH	0.026	0.076	6.4	0.15
3	FeCl ₃	0.051	0.076	6.4	0.15
4	H ₂ SO ₄	0.051	0.076	6.4	0.15
7	Sodium Hypochlorite	0.05	0.10	7.1	0.9

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Company" means Kencro Chemicals Limited;
- (3) "Certificate" means this Certificate of Approval including Schedule "A", issued in accordance with Section 9 of the Act;
- (4) "Equipment" means the packed bed scrubbers described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provides written instructions to staff

of the Company; and

(6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Facility, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Facility, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices, and as recommended by the Equipment Suppliers;
 - (b) emergency procedures;
 - (c) frequency of cleaning of the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Facility and the Equipment;
 - (e) procedures for recording and responding to environmental complaints relating to the operation of the Facility; and
 - (f) all appropriate measures to minimize noise and odorous emissions from all potential sources; and
 - (2) implement the recommendations of the Manual.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition, the Company is required to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the Regulations and this Certificate.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 1511-5GGMD6 issued on December 9, 2002

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

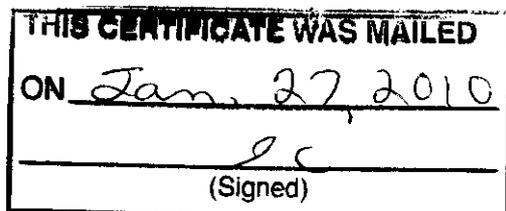
The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 25th day of January, 2010



DEC 16 2002

HALTON PEEL
DISTRICT OFFICE

DA-Wy-210



Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 1511-5GGMD6

D.C. [Signature]
Director of File

Kencro Chemicals Limited
2172 Wyecroft Road, Unit #4
Oakville, Ontario
L6L 5V6

Site Location: Kencro Chemicals
2172 Wyecroft Road, Unit #4
Oakville Town, Regional Municipality of Halton
L6L 5V6

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) packed bed scrubber, used to control emissions of hydrochloric acid (32% solution) during unloading from truck into storage tank and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- one (1) packed bed scrubber, used to control emissions of either acetic acid (99 % solution) or nitric acid (67 % solution) during unloading from truck into storage tanks and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- four (4) storage tanks for the storage of sodium hydroxide (NaOH) 50% solution, potassium hydroxide (KOH) 45% solution, ferric chloride (FeCl₃) 45% solution, and sulfuric acid (H₂SO₄) 96% solution, respectively, exhausting into the atmosphere with its own vent parameters as outlined in the attached Schedule "A".

All in accordance with the application for a Certificate of Approval (Air) signed by K.G.(Ken) Dunwoody, dated June 24, 2002 and all supporting information. Facsimile transmittal dated

December 2, 2002 from Graeme Norval of GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment.

Schedule "A"

This Schedule "A" forms part of the Certificate of Approval (Air).

Source Identifier	Description	Volumetric flow rate (cubic metre per second)	Exit diameter (metre)	Vent height above grade (metre)	Vent height above the roof (metre)
1	NaOH	0.051	0.076	6.4	0.15
2	KOH	0.026	0.076	6.4	0.15
3	FeCl ₃	0.051	0.076	6.4	0.15
4	H ₂ SO ₄	0.051	0.076	6.4	0.15

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Company" means Kencro Chemicals Limited;
- (3) "Certificate" means this Certificate of Approval including Schedule "A", issued in accordance with Section 9 of the Act;
- (4) "Equipment" means the packed bed scrubbers described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provides written instructions to staff of the Company; and
- (6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:

- (1) prepare, before commencement of operation of the Facility, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Facility, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices, and as recommended by the Equipment Suppliers;
 - (b) emergency procedures;
 - (c) frequency of cleaning of the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Facility and the Equipment;
 - (e) procedures for recording and responding to environmental complaints relating to the operation of the Facility; and
 - (f) all appropriate measures to minimize noise and odorous emissions from all potential sources; and
- (2) implement the recommendations of the Manual.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition, the Company is required to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the Regulations and this Certificate.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;

4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

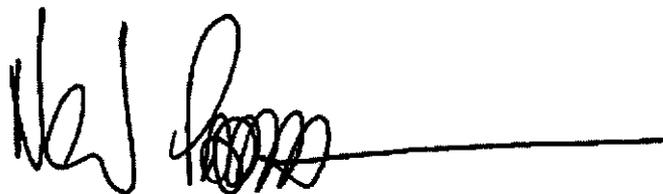
The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

ATED AT TORONTO this 9th day of December, 2002



Neil Parrish, P.Eng.
Director
Section 9, *Environmental Protection Act*

ST/

c: District Manager, MOE Halton-Peel
Graeme Norval, GWN Chemical Consulting Inc.

Environmental Compliance Approval Application

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MINISTRY OF ENVIRONMENT
DEC 28 2011
HALTON PEEEL
DISTRICT OFFICE

ontario.ca/environment





General Information and Instructions

General Information:

Information requested in this form is collected under the authority of the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and Environmental Bill of Rights (EBR), and will be used to evaluate applications for Environmental Compliance Approvals (ECAs) issued under Part II.1 of the EPA. This application form should not be used for *mobile PCB destruction facilities* and *land application sites of septage and biosolids*.

For all questions related to preparing or submitting this form or about the Ministry's collection of information related to applying for an ECA, contact:

Environmental Approvals Access and Service Integration Branch

2 St. Clair Ave. West, Floor 12A,
Toronto, Ontario M4V 1L5.
Telephone outside Toronto 1-800-461-6290
or in Toronto 416-314-8001.

This office can also provide you with copies of application forms and supporting documentation.

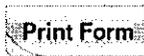
Instructions:

1. Applicants are responsible for ensuring that they complete the most recent application form. Application forms and information about the required supporting documentation and technical requirements are available from the **Environmental Approvals Access and Service Integration Branch** (the address and phone number are provided in the General Information on this page). As well, you can get this information from your local District Office of the Ministry of the Environment, and on the Resources section of the Ministry of the Environment website at: www.ene.gov.on.ca/environment/en/resources/index.htm.

2. A complete application consists of:
 - a completed and signed application form;
 - all required supporting documents and technical requirements identified in:
 - i. this form,
 - ii. Ministry guidance,
 - iii. the Applications for Environmental Compliance Approvals regulation, and
 - payment of the application fee (in Canadian funds) by certified cheque or money order made payable to the Minister of Finance, or credit card payment (for payments up to \$10,000). For *Transfer of Review*, make your cheque or money order payable to the appropriate municipality.

The Ministry may return incomplete applications to the applicant.

- The Director may require additional information of any application initially accepted as complete.
3. Submit the complete application as follows:
 - One (1) paper copy (unless your application is a *Transfer of Review*), one (1) electronic copy and the fee to the **Director, Environmental Approvals Access and Service Integration Branch** at the address provided in the General Information on this page.
 - If your application is a *Transfer of Review*, you must submit two (2) copies of the completed application and the fee to the designated municipal authority.
 4. You must also send a copy of the application without the fee to the local Ministry District Office that has jurisdiction over the area where the facilities are located. DO NOT send payment to the District Office.
 - To locate the appropriate local Ministry District Office, visit the Ministry of the Environment website at: www.ene.gov.on.ca/environment/en/about/regional_district_offices/index.htm.
 5. For Waste Disposal Sites you must also send a copy of the application without the fee to the Clerk's office of the local municipality (both upper and lower tier) in which the facility/proposed facility is located unless the application is for a revocation or an amendment that is environmentally insignificant or the applicant is a



municipality. DO NOT send any payment information to the municipality.

Information collected by the Ministry of the Environment is subject to the Freedom of Information and Protection of Privacy Act (FIPPA). If you are of the view that any part of application is confidential on the grounds that such information constitutes a trade secret or scientific, technical, commercial, financial or labour relations information, please make this known now. Otherwise, the Ministry may make the information available to the public without further notice to you.

It is an offence under the EPA and OWRA to provide false or misleading information in this application and/or accompanying documents.

The Electronic Form Smart Features

The electronic version of this form incorporates several features to assist you with completing your application.

The electronic form will highlight required information with **red** and **green** indicators. **Red** means that the information is required before the section is complete.

The form will also calculate certain values based on the information you enter and will assist you in ensuring that all required information is included with your application. You can save a copy of this form that includes any information you have entered.

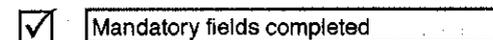
These features are available in Adobe Reader version 8 or above. You can download a copy from the website at: <http://get.adobe.com/reader/otherversions/>.

Smart Features Legend:

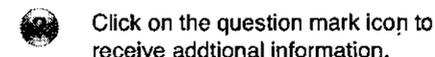
These active buttons appear throughout the Application form to provide additional support.



Mandatory fields required to be filled in



Mandatory fields completed



Click on the question mark icon to receive additional information.



Print Form Button — Prints the entire form.



Clear Form Button — Clears the entire form.



Save Form Button — Saves the entire form.



Calculate Button — Calculates fees.

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Ministry of the Environment
Public Information Centre:
Telephone: 416-325-4000
Toll-free: 1-800-565-4923
E-mail: picemail.moe@ontario.ca
www.Ontario.ca/Environment

Print Form

Clear Form

Save Form

For Office Use Only

Reference Number	Payment Received	Date (yyyy/mm/dd)	Initials
	\$		

Application Summary

Applicant Name

Kencro Chemicals Limited

Project Name

2192 Wycroft Road

Project Description Executive Summary

Kencro Chemicals Ltd. is a company that receives truck deliveries of industrial chemicals, and repackages them for smaller consumers. Typical package sizes are 1000 L totes, 205 L drums and 25 L pails, with some customers taking 100 mL – L bottles. Bulk chemicals are received primarily as solutions, with some received as bagged solids.

In 2002, Kencro applied for and received a Certificate of Approval (Air) for a number of sources, and for 2 scrubbing systems (CofA – Air #1511-5GGMD6). This application was updated in 2010 (CofA – Air #8440-7ZEPW5). As the business continues to expand, Kencro has purchased the property at 2192 Wycroft Road and is applying for an Environmental Compliance Approval (Air and Noise) for the new facility. This ESDM report compiles all of the information, in accordance with Regulation 419/05, and demonstrates that they comply with Ministry of the Environment

Print Form

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Required Information

Completed (yes or no)

Project Name & Description

Section 1: Applicant Information	Yes
Section 2: Project Information	Yes
Section 3: Regulatory Requirements	Yes
Section 4: Site Information	Yes
Section 5: Facility Information	Yes
Section 6: Supporting Documentation	Yes
Section 7: Payment Information	No

Fee Summary:

Administrative Processing	\$	200.00
Review of EPA s. 9 activities	\$	1,100.00
Review of EPA s. 27 activities	\$	0.00
Review of OWRA s. 53 activities	\$	0.00
Total Fee	\$	1,300.00

Calculate

Application Status Please complete the sections as shown above

The Ministry may request additional fees upon review of this application.

If you are submitting this form in print version only and are not using the smart calculation feature, please attach the fee calculation separately.

Supplemental Application Information

See help text on required information for this section. 

Ontario Ministry of the Environment
14th Floor
2 St. Clair Ave. W.
Toronto, Ontario, M4V 1L5
RE: Kencro chemicals Limited

This application is for an Environmental Compliance Approval (Air and Noise). Kencro Chemicals Ltd. currently operates a facility at 2172 Wyecroft Road, Oakville. They have purchased the adjacent property at 2192 Wyecroft Road, which has an enclosed yard. The purchase was closed on December 1st, 2011.

Kencro Chemicals Ltd. will transfer operates to this facility over next several months. A number of physical modifications are required at the new facility, including a review of the sprinkler system, repainting, and installation of the dyking materials. Work will begin this month, and is expected to be completed by June, 2012.

This application includes the required documents that confirm compliance with the regulations, as well as acceptance of this facility by the Town of Oakville. A copy of this application is being sent to the Halton-Peel regional office.

1 Applicant Information

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1.1 Applicant Information

Applicant Name (legal name of individual or organization as evidenced by legal documents)

Kencro Chemicals Limited

Business Number

121169726

Business Name same as Applicant Name

Business Website Address:

Kencro Chemicals Limited

www.kencro.ca

Applicant Type:

- Corporation Federal Government
 Individual Municipal Government
 Partnership Provincial Government
 Sole Proprietor Other (describe):

Primary North American Industry Classification System (NAICS) Code

325118

Other NAICS codes (select all that apply)

Separate list attached? Yes No

Business Activity Description

1.2 Applicant Physical Address

Civic Address – Street Information (includes street number, name, type and direction)

Unit Identifier (suite or unit number)

2192 Wycroft Road

Survey Address

Lot Concession Part Reference Plan

Municipality/Unorganized Township or Territory Upper Tier/District

Province/State

Country

Postal Code/ZIP Code

Oakville

Ontario

Canada

L6L 6R1

Telephone Number (include area code & ext.)

Fax Number (include area code)

Mobile Number (include area code)

E-mail Address

905-827-4133

ext.

905-827-4145

kdunwoody@kencro.ca

Geo Reference (required)

Description of location	Map Datum	Zone	Accuracy Estimate	Geo-Referencing Method	UTM Easting	UTM Northing
Southwest corner of property	NAD27	17	2 m	Google Earth	603047.00	4807836.00
Physical location of front door or main entrance	NAD27	17	2 m	Google Earth		4807742.00

1 Applicant Information

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1.3 Applicant Mailing Address

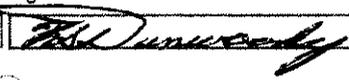
Same as Applicant Physical Address? Yes No

Civic Address – Street Information (civic numbering and street information includes street number, name, type and direction)			Unit Identifier (suite or unit number)
2192 Wycroft Road			
Delivery Designator	Delivery Identifier	Postal Station	
Municipality/Unorganized Township or Territory	Province/State	Country	Postal Code/ZIP Code
Oakville	Ontario	Canada	L6L 6R1

1.4 Statement of the Applicant

I am authorized to prepare and submit this application and to make this certification. I have reviewed the complete application and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The information contained in this application is complete and accurate.
- The Technical Contact(s) identified in this application has/have been authorized to prepare certain technical material, and act on behalf of the applicant to discuss this application with the Ministry of the Environment and to provide additional information about this application to the Ministry on request.
- The information provided to the Technical Contact(s) in relation to this application is complete and accurate.

Name of Signing Authority (please print)		Title	
Ken Dunwoody		President	
Telephone Number (include area code & ext.)	Fax Number (include area code)	Mobile Number (include area code)	
905-827-4133 ext.	905 827 4145		
E-mail Address	Signature	Date (yyyy/mm/dd)	
kdunwoody@kencro.ca		2011/12/16	

1.5 Statement of the Municipality N/A

I, the undersigned hereby declare on behalf of the Municipality, that the Municipality has no objection to the construction of the works in the Municipality.

Name and Title (please print)	Name of Municipality
Signature	Date (yyyy/mm/dd)

2 Project Information

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2.1 Reason for Application

- New ECA
 Amendment to existing ECA
 Revocation of existing ECA
 Administrative amendment to existing ECA
 Application for renewal of limited operational flexibility
 Consolidation of existing ECAs

Are you adding a new project type to your site or a new municipal waste category/class code to your waste management systems or a new sewage facility type? Yes No

Is this for *Transfer of Review*? Yes No

2.2 Project Type (select all that apply)

Yes	N/A		Limited Operational Flexibility?	Pilot Project?
<input checked="" type="radio"/>	<input type="radio"/>	Air – Stationary	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Air – Mobile		<input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	Noise	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Vibration		<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Landfill site	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Transfer site		<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Processing site		<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Composting site	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Thermal Treatment site	N/A	<input type="checkbox"/>

Yes	N/A		Limited Operational Flexibility?	Pilot Project?
<input type="radio"/>	<input checked="" type="radio"/>	Sewage – Industrial		<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Sewage – Municipal		<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Sewage – Private		<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Management System – General Waste Management System	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Management System – Hauled Sewage (Septage)	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Management System – Soil Conditioner for transport to a site for Application on Land	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Management System – Mobile Waste Processing	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Cleanup of contaminated sites – Mobile	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Cleanup of contaminated sites – Site-specific	N/A	<input type="checkbox"/>

2 Project Information

Print Form

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2.3 Approval Information

Application initiated by:

- Applicant
 S. 20.18 Order (attach copy)
 Condition of existing approval
 Provincial Officer Order (attach copy)
 Inspection Report (attach copy)
 Other (specify):

Current Environmental Compliance Approvals that may be changed or amended by this application: N/A

Separate list attached? Yes No

Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)	Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)
8440-7 ZEPW5	2010/01/25		

Proposed Environmental Compliance Approvals related to this project: N/A

Separate list attached? Yes No

Project type	Ministry Reference Number (if applicable)	Have submitted	Have not submitted

2.4 Other Approval/Permits for Facility N/A

Separate list attached? Yes No

List all other instruments (approvals or permits) issued by the Ministry of the Environment or applied for under the Environmental Protection Act, Environmental Assessment Act, Ontario Water Resources Act and Safe Drinking Water Act, 2002 and any Environmental Activity and Sector Registrations that are relevant to this application.

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)	Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)

2 Project Information

Print Form

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2.5 Technical Contacts

s.21

Technical Contact 1

Area of Responsibility (check all that apply) Air Noise/Vibration Sewage Waste

Name of Technical Contact		Company		
Graeme Norval		GWN Chemical Consulting, Inc.		
Telephone Number (include area code & ext.)	Mobile Number (include area code)	Fax Number (include area code)	E-mail Address	
905-466-2940 ext.		416-978-8605	graeme.norval@sympatico.ca	

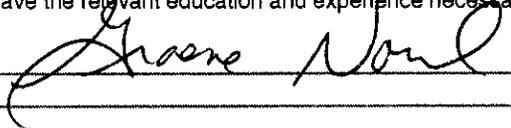
Address Information:

Same as Applicant Mailing Address? Yes No (If no, please provide technical contact address information below.)

Civic Address - Street Information (includes street number, name, type and direction)			Unit Identifier (suite or unit number)	
2009 Grenville Drive				
Delivery Designator	Delivery Identifier	Postal Station		
Municipality/Unorganized Township or Territory	Province/State	Country	Postal Code/ZIP Code	
Oakville	Ontario	Canada	L6H	

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature	Date (yyyy/mm/dd)
	2010/12/04

2 Project Information

Print Form

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Technical Contact 2

Area of Responsibility (check all that apply) Air Noise/Vibration Sewage Waste

Name of Technical Contact Company

Telephone Number (include area code & ext.) ext. Mobile Number (include area code) Fax Number (include area code) E-mail Address

Address Information:

Same as Applicant Mailing Address? Yes No (If no, please provide technical contact address information below.)

Civic Address – Street Information (includes street number, name, type and direction) Unit Identifier (suite or unit number)

Delivery Designator Delivery Identifier Postal Station

Municipality/Unorganized Township or Territory Province/State Country Postal Code/ZIP Code

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature Date (yyyy/mm/dd)

2 Project Information

Print Form

Clear Form

Save Form

Technical Contact 3

Area of Responsibility (check all that apply) Air Noise/Vibration Sewage Waste

Name of Technical Contact Company

Telephone Number (include area code & ext.) ext. Mobile Number (include area code) Fax Number (include area code) E-mail Address

Address Information:

Same as Applicant Mailing Address? Yes No (If no, please provide technical contact address information below.)

Civic Address – Street Information (includes street number, name, type and direction) Unit Identifier (suite or unit number)

Delivery Designator Delivery Identifier Postal Station

Municipality/Unorganized Township or Territory Province/State Country Postal Code/ZIP Code

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature Date (yyyy/mm/dd)

2 Project Information

Print Form

Clear Form

Save Form

Technical Contact 4

Area of Responsibility (check all that apply) Air Noise/Vibration Sewage Waste

Name of Technical Contact		Company	
<input type="text"/>		<input type="text"/>	
Telephone Number (include area code & ext.)	Mobile Number (include area code)	Fax Number (include area code)	E-mail Address
<input type="text"/> ext. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Address Information:

Same as Applicant Mailing Address? Yes No (If no, please provide technical contact address information below.)

Civic Address – Street Information (includes street number, name, type and direction)		Unit Identifier (suite or unit number)	
<input type="text"/>		<input type="text"/>	
Delivery Designator	Delivery Identifier	Postal Station	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
Municipality/Unorganized Township or Territory	Province/State	Country	Postal Code/ZIP Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature	Date (yyyy/mm/dd)
<input type="text"/>	<input type="text"/>



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3.1 Environmental Bill of Rights (EBR) Requirements

Is this a proposal for a prescribed instrument under the EBR? Yes No

If yes, is this proposal exempted from the EBR requirements? Yes No

If yes, please check one of the following (Please provide supporting information.)

- This proposal has been considered in a substantially equivalent process of public participation. (EBR, 1993, s.30.)
- This proposal is for an emergency situation. (EBR, 1993, s. 29.)
- This proposal is for an amendment to or revocation of an existing Environmental Compliance Approval that is not environmentally significant. (EBR, 1993, s. 22 (3).)
- This proposal has been subject to or exempted from EAA Requirements or considered in a decision of a tribunal. (EBR, 1993, s. 32.)

3.2 Environmental Assessment Act (EAA) Requirements

Is the proposed undertaking subject to the requirements of the EAA? Yes No

If yes, please check one of the following:

- The undertaking has fulfilled the requirements of the EAA through an exemption provided under:
 - Section _____ of Ontario Regulation No. _____ or
 - Declaration/Exemption Order Number _____
If Regulation, Declaration Order or Exemption Order does not refer directly to this undertaking, please provide supporting documentation to explain why it applies to this facility.
- The proposed undertaking has fulfilled the requirements of the EAA through the completion of a Class EA process:
 - Name of Class EA: _____
 - Schedule/Group/Category (if applicable): _____
 - If applicable, please submit a copy of the proof of completion (for example, Notice of Completion).
Was the undertaking subject of a Part II Order request(s)? Yes No If yes, please submit a copy of the Director's or Minister's decision letter.
- The proposed undertaking has fulfilled all of the requirements for the EAA through:
 - completion of an Environmental Screening Process pursuant to O. Reg. 101/07 of the EAA
 - completion of an Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA
 Was the undertaking subject of an elevation request(s)? Yes No If yes, please submit a copy of the Director's decision letter.
If an appeal was made of the Director's decision, please also submit a copy of the Minister's decision letter.
 - completion of an Environmental Screening Process pursuant to O. Reg. 231/08 of the EAA
Was the undertaking subject of an objection(s)? Yes No If yes, please submit a copy of the Minister's decision letter.
- The proposed undertaking has fulfilled the requirements of the EAA through the completion of an individual Environmental Assessment.
Please submit a copy of the signed Notice of Approval.

3 Regulatory Requirements

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements
4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

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3.3 Consultation/Notification

Are there any consultation/notification activities that you have undertaken to fulfill requirements by other legislation or through voluntary efforts?

Yes

No

If yes, please:

- 1) describe the consultation/notification activities below; and
- 2) attach documents describing each of these consultation/notification activities, any changes to the project as a result of these activities any planned consultation/notification activities in the future.

4 Site Information

[Print Form](#) [Clear Form](#) [Save Form](#)

4.1 Site Address or Storage Location

Will the vehicles or equipment be stored at more than one location? Yes No
 (If yes, please enter all vehicle or equipment storage locations below and attach separate list, as necessary.)

Same as Applicant Physical Address? Yes No

Primary Civic Address – Street Information (includes street number, name, type and direction) Unit Identifier (suite or unit number)

2192 Wycroft Road	
Additional Civic Addresses Separate list attached? <input type="radio"/> Yes <input type="radio"/> No	Unit Identifier (suite or unit number)

Primary Survey Address

Lot	Concession	Part	Reference Plan

Municipality/Unorganized Township or Territory: Upper Tier/District: Province/State: Country: Postal Code/ZIP Code:

Non-address Information (includes any additional information to clarify the physical location)

Same as Applicant Physical Geo Reference? Yes No **Geo Reference (required)**

Description of location	Map Datum	Zone	Accuracy Estimate	Geo-Referencing Method	UTM Easting	UTM Northing
Southwest corner of property	NAD27	17	2 m	Google Earth	603047.00	4807836.00
Physical location of front door or main entrance	NAD27	17	2 m	Google Earth	603112.00	4807742.00

4 Site Information

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4.2 Site or Storage Location Information

Site Name	Days and Hours of Operation	Ministry of the Environment District Office
2192 Wycroft Road	07:00 - 17:00	Halton-Peel District Office

Is the site (property) that is the subject of this application owned by the applicant?

If no, please include the owner's name, address and a signed document indicating that the applicant has the authority to install and operate the proposed activity, or store vehicles or equipment on the land. Yes No

Is the applicant the operating authority of the site that is the subject of this application?

If no, please include the operating authority name, address and phone number. Yes No

Is the site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?

If yes, please attach a copy of the NEPDA permit for proposed activity. Yes No

Is the site within an area covered by the Oak Ridges Moraine Conservation Plan?

If yes, please attach proof of municipal planning approval for the proposed activity/work (for example, zoning by-law, letter from municipality, etc.). Yes No

4.3 Site Zoning and Classification

Current Land Use	Official Plan Designation	Current Zoning (Please attach zoning map, if available.)
Industrial Building	Q.E.W. West Employment District	Q.E.W. West Employment District

Adjacent Land Use (select all that apply)

- Industrial Commercial Residential
 Agricultural Recreational Other (specify):

Adjacent Land Zoning

Q.E.W. West Employment

Does the current zoning permit the proposed activity?

Yes No

Does the applicant have correspondence from the municipality to confirm that the current zoning of the property permits the proposed use?

Yes No If yes, please attach correspondence from the municipality.

Does the official plan designation support the proposed activity?

Yes No N/A

4 Site Information

[Print Form](#)

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4.4 Point of Entry into Ontario (for waste management system vehicles that are stored at an address outside of Ontario)

City in closest proximity to the point of entry	Description of Point of Entry

4.5 Source Protection/Drinking Water Threats (sewage or waste disposal site applications only)

Check the source protection area(s) where the activity is/will be located:

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Ausable Bayfield | <input type="checkbox"/> Grand River | <input type="checkbox"/> Raisin Region | <input type="checkbox"/> Lower Thames Valley |
| <input type="checkbox"/> Maitland Valley | <input type="checkbox"/> Kettle Creek | <input type="checkbox"/> South Nation | <input type="checkbox"/> St. Clair Region |
| <input type="checkbox"/> Cataraqui Region | <input type="checkbox"/> Long Point | <input type="checkbox"/> Grey Sauble | <input type="checkbox"/> Upper Thames River |
| <input type="checkbox"/> Central Lake Ontario | <input type="checkbox"/> Lakehead | <input type="checkbox"/> Northern Bruce Peninsula | <input type="checkbox"/> Crowe Valley |
| <input type="checkbox"/> Credit Valley | <input type="checkbox"/> Mattagami | <input type="checkbox"/> Saugeen Valley | <input type="checkbox"/> Ganaraska |
| <input type="checkbox"/> Toronto and Region | <input type="checkbox"/> Mississippi Valley | <input type="checkbox"/> Sault Ste. Marie | <input type="checkbox"/> Kawartha-Haliburton |
| <input type="checkbox"/> Essex | <input type="checkbox"/> Rideau Valley | <input type="checkbox"/> Lake Simcoe & Couchiching/Black River | <input type="checkbox"/> Lower Trent |
| <input type="checkbox"/> Halton | <input type="checkbox"/> Niagara | <input type="checkbox"/> Nottawasaga Valley | <input type="checkbox"/> Otonabee-Peterborough |
| <input type="checkbox"/> Hamilton | <input type="checkbox"/> North Bay Mattawa | <input type="checkbox"/> Severn Sound | <input type="checkbox"/> Outside a source protection area |
| <input type="checkbox"/> Catfish Creek | <input type="checkbox"/> Quinte | <input type="checkbox"/> Sudbury | |

Is the proposed activity located or planned to be located in a vulnerable area identified in a local assessment report source protection plan under the Clean Water Act, 2006?

- Yes No

If yes, what is/are the vulnerable area(s)/zone(s)?

- | | |
|---|---|
| <input type="checkbox"/> Wellhead Protection Areas | <input type="checkbox"/> Surface Water Intake Protection Zones |
| <input type="checkbox"/> Highly Vulnerable Aquifers | <input type="checkbox"/> Significant Groundwater Recharge Areas |

Is the activity being applied for identified as a significant drinking water threat in the assessment report for the local source protection area?

- Yes No

4 Site Information

Print Form

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Save Form

4.6 Receiver of Effluent Discharge (sewage applications only)

Intermediate Receiver Name



Watershed Name

Surface Water Groundwater Other (specify):

Has the facility received local Conservation Authority clearance? (for stormwater management facility discharging to the natural environment)

Yes N/A If yes, please include a copy of the Conservation Authority clearance.

Final Receivers N/A

Will the proposed activity discharge sewage to any of the following critical receivers?

Lake Simcoe Rideau River Detroit River Other (specify):
 Great Lakes Rouge River Bay of Quinte

Is the receiver a Policy 2 receiver? Yes No

Do you have a Policy 2 deviation approval from the directors? Yes No If yes, please attach a copy of the Director's approval.

5 Facility Information

Print Form

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5.1 Air IF YOUR APPLICATION DOES NOT HAVE AIR EMISSIONS PLEASE PROCEED TO SECTION 5.2

5.1.1 Summary of Equipment that Discharges Contaminants to the Air

(√)	Description	Number of Pieces of Equipment
<input type="checkbox"/>	Combustion equipment that uses natural gas, propane, no. 2 oil, landfill gas or sewage treatment gas for fuel for the purpose of providing comfort heating or emergency power, producing hot water or steam, or heating material in a system that does not discharge to the atmosphere (Total Heat input of all units ≤ 50,000,000 kJ/hr)	N/A
<input checked="" type="checkbox"/>	Storage tanks	N/A
<input type="checkbox"/>	Welding operations that use a maximum of 10 kilograms of welding rod per hour	N/A
<input type="checkbox"/>	Combustion equipment that uses waste-derived fuel for the purpose of providing comfort heating, burning ≤ 15 litres per hour	
<input type="checkbox"/>	Heat cleaning ovens used for parts cleaning and associated parts washers or degreasing equipment, other than solvent degreasing equipment	
<input type="checkbox"/>	Cooling towers	
<input checked="" type="checkbox"/>	Equipment used to control emissions of contaminants, other than a fume incinerator	2
<input type="checkbox"/>	Laboratory fume hoods	
<input type="checkbox"/>	Paint spray booths and associated equipment that have a design capacity of up to 8 litres per hour of paint	
<input type="checkbox"/>	Grain dryers	
<input type="checkbox"/>	Any other equipment not listed above with a flow rate of less than or equal to 1.5 m ³ per second	
<input checked="" type="checkbox"/>	Any other equipment not listed above with a flow rate of greater than 1.5 m ³ per second	1
<input type="checkbox"/>	Equipment that is subject to an Environmental Compliance Approval, and from which there is no proposed increase in the discharge of any contaminant that was previously reviewed by the Director.	N/A

5.1.2 Emission Summary and Dispersion Modelling (ESDM) Report

Is the review of an existing, approved ESDM required as part of this proposed application? Yes No

If yes, identify the number of emission sources described in the existing ESDM Report that emit contaminants in common with the sources forming the subject of the application (if none, enter zero).

Have all of these emission sources been described in an ESDM Report that was previously reviewed as part of an application for an existing Environmental Compliance Approval? Yes No

5 Facility Information

Print Form

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5.1.3 O. Reg. 419/05 Requirements

Which of the following sections of O. Reg. 419/05 applies to the facility?

s.19 (Schedule 2) s.20 (Schedule 3) Does not apply. Please indicate reason:

Has an instrument under O. Reg. 419/05 been issued? Yes No

If yes, what type(s) of instruments (including any notices, orders or approvals) has (have) been issued? (select all that apply)

- | | |
|---|---|
| <input type="checkbox"/> ss. 4(2) Adjacent Properties | <input type="checkbox"/> ss. 20(4) Speed-up Request |
| <input type="checkbox"/> ss. 7(1) Specified Dispersion Models | <input type="checkbox"/> ss. 20(5) Speed-up Order |
| <input type="checkbox"/> ss. 8(2) Negligible Sources | <input type="checkbox"/> s. 35 Site-specific Standard |
| <input type="checkbox"/> ss. 10(2) Operating Conditions | <input type="checkbox"/> ss. 35(14) Site-specific Standard Order |
| <input type="checkbox"/> ss. 11(2) Refined Emission Rates | <input type="checkbox"/> ss. 39(3) Technical Standard Registration (Industry Standard) |
| <input type="checkbox"/> ss. 13.1 Value of Dispersion Modeling Parameters | <input type="checkbox"/> ss. 39(4) Technical Standard Registration (Equipment Standard) |
| <input type="checkbox"/> ss. 13(1) Meteorological Data | |
| <input type="checkbox"/> ss. 14(6) Area of Modelling Coverage | |
| <input type="checkbox"/> Other (list all that have been issued): | |

Is an instrument under O. Reg. 419/05 being requested as part of this application? Yes No

If yes, what type(s) of notice, order or approval is (are) being requested?

- | | |
|---|---|
| <input type="checkbox"/> ss. 7(1) Specified Dispersion Models | <input type="checkbox"/> ss. 14(6) Area of Modelling Coverage |
| <input type="checkbox"/> ss. 8(2) Negligible Sources | <input type="checkbox"/> ss. 20(4) Speed-up Request |
| <input type="checkbox"/> ss. 10(2) Operating Conditions | <input type="checkbox"/> s. 32 Request for a Site-specific Standard Order |
| <input type="checkbox"/> ss. 11(2) Refined Emission Rates | <input type="checkbox"/> ss. 39(1)(a) Application for Technical Standard Registration (Industry Standard) |
| <input type="checkbox"/> ss. 13(1) Meteorological Data | <input type="checkbox"/> ss. 39(1)(b) Application for Technical Standard Registration (Equipment Standard). |
| <input type="checkbox"/> Other (list all that have been requested): | |

Please attach the form(s) requesting the notice(s) and/or order(s) and any additional supporting information.

Has an s.30 Upper Risk Threshold (Schedule 6) been exceeded? If yes, please include additional supporting information. Yes No

Is the facility located in a multi-tenant building? If yes, additional information may be requested. Yes No

Are all of the contaminants to which the application relates represented in the Ministry of the Environment publication titled "Summary of Standards and Guidelines to support Ontario Regulation 419: Air Pollution – Local Air Quality" or have they been screened out based on the publication titled "Jurisdictional Screening Level (JSL) List, A Screening Tool for Ontario Regulation 419: Air Pollution – Local Air Quality"? (If no, please attach Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit – Supplement to Application for Approval, EPA S.9 (PIBS 4872)). Yes No

5 Facility Information

Print Form

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5.2 Noise

IF YOUR APPLICATION DOES NOT HAVE NOISE EMISSIONS, PLEASE PROCEED TO SECTION 5.3.

5.2.1 Noise Assessment

Have you completed an Acoustic Assessment Report (AAR) or Abbreviated Acoustic Assessment Report (A-AAR)? Yes No

If yes, please indicate the report you have completed:

AAR Please attach the Acoustic Assessment Report.

Does the AAR show that applicable limits are met? Yes No

If no, please attach the Acoustic Assessment Report including the Noise Abatement Action Plan.

A-AAR Please attach the Abbreviated Acoustic Assessment Report.

Does the A-AAR show that applicable limits are met? Yes No

Note that certain conditions must be met before using the A-AAR and that the A-AAR must show that the applicable limits are met otherwise an AAR may be required.

If no, is the application eligible for Primary or Secondary Noise Screening? Yes No

Note that if you are not eligible for either of the screenings, you must submit either an AAR or A-AAR.

If yes, is your proposed activity described with one of the NAICS codes that are eligible for the Primary Noise Screening? Yes No

If yes, is the actual separation distance between the facility and the noise sensitive point of reception (POR) greater than the minimum required separation distance calculated from the Primary Noise Screening? Yes No

If yes, please attach the Primary Noise Screening form and supporting documentation.

Note that if the Primary Noise Screening is not successful then you may attempt to proceed with the secondary noise screening.

If no, does the Secondary Noise Screening report show that the applicable sound level limits are met? Yes No

If yes, please attach the Secondary Noise Screening Report and supporting documentation.

Note that if you cannot demonstrate that the applicable sound level limits are met then you must submit either an AAR or A-AAR.

5 Facility Information

Print Form

Clear Form

Save Form

5.2.2 Equipment Subject to Noise Review



(√)	Description	Number of Pieces of Equipment
<input type="checkbox"/>	Arc Furnaces	
<input type="checkbox"/>	Asphalt Plants	
<input type="checkbox"/>	Blow-down Devices	
<input type="checkbox"/>	Co-generation Facilities	
<input type="checkbox"/>	Crushing Operations	
<input type="checkbox"/>	Flares	
<input type="checkbox"/>	Gas Turbines	
<input type="checkbox"/>	Pressure Blowers or Large Induced Draft Fans (flow rate > 47m ³ /second or static pressure > 1.25 kilopascals)	
<input checked="" type="checkbox"/>	Any other equipment not listed above that has not previously been reviewed by the Director in connection with an application for an Environmental Compliance Approval with respect to the facility	<input type="text"/>
<input type="checkbox"/>	Any other equipment not listed above that is identical to equipment for which a noise assessment was previously reviewed by the Director in connection with an application for an Environmental Compliance Approval with respect to the facility	

5 Facility Information

Print Form

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5.3 Sewage Works

 IF YOUR APPLICATION DOES NOT CONTAIN SEWAGE WORKS PLEASE PROCEED TO SECTION 5.4

5.3.1 Facility Type – Sewage Works

Select the type of facility that is the subject of the application (select all that apply).

Sewage Treatment Plant (STP)

Further information:

Primary

Secondary

Tertiary

Receives septage

Constructed/Engineered Wetlands

On-site system

Lagoons (check all that apply below)

Septage

Municipal

Other (specify):

Municipal or private facility

Category: New 1 2 3 4

Facility for the treatment of leachate

Category: New 1 2 3 4

Facility for the treatment of industrial process wastewater

Category: New 1 2 3 4

Facility for the disposal of non-contact cooling water

Subsurface disposal

Please indicate the maximum design capacity of the municipal or private sewage treatment plant:

≤ 4,550 m³/day

> 4,550 m³/day

Please indicate the design capacity of the subsurface disposal:

≤ 15 m³/day

> 15 m³/day and < 50 m³/day

> 50 m³/day

Stormwater Management Facility

Category: New 1 2 3 4

Wet Pond

Dry Pond

Other (specify):

For the following, you must complete and attach the relevant sections of the pipe data form:

Storm Sewers

Ditches

Combined Sewers

Forcemains

Sanitary Sewers

Pumping Station

Is a Hydrogeological Assessment required? Yes No (If yes, please attach the hydrogeological assessment.)

Is a review of effluent criteria assessment for stormwater management, cooling water or soil remediation facilities required? Yes No

(If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

Is a review of effluent criteria assessment for municipal or private sewage, industrial process wastewater or leachate treatment plant required? Yes No

(If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

5 Facility Information

Print Form

Clear Form

Save Form

5.3.2 Servicing

The works will provide sewage servicing for (select all that apply):

- Residential Subdivision **Is there a Municipal Responsibility Agreement in place?** Yes No N/A
 Condominium If yes, please attach a copy of the Municipal Responsibility Agreement.
 Institutional
 Other (specify):

- Commercial Hotel, Motel, Inn Campground, Park Rental Cabins
 Resort Shopping Malls Other (specify):
 Restaurant Highway Service Station/Gas Bars

Industrial Describe:

5.3.3 Sewage Servicing for Waste Disposal/Landfill Sites

Does/Will the sewage treatment facility receive waste disposal/landfill site leachate? Yes No If yes, please identify the site(s) below.

Name of Site Contributing Leachate	Environmental Compliance Approval Number	Volume of leachate (m ³)
1.		
2.		
3.		
4.		
5.		

5 Facility Information

Print Form

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Save Form

5.4.2 Waste Transfer/Processing/Composting – Complete this information if waste transfer and/or processing and/or composting take(s) place at this facility

Waste Types to be Transferred or Processed	Design Capacity
<input type="checkbox"/> Hazardous waste or liquid industrial waste	<input type="radio"/> ≤ 100 tonnes per day <input type="radio"/> > 100 tonnes per day
<input type="checkbox"/> Waste other than hazardous waste and liquid industrial waste	<input type="radio"/> ≤ 100 tonnes per day <input type="radio"/> > 100 tonnes per day

Change to Operations		
<input type="radio"/> No Change Proposed	<input type="radio"/> Change does not require fundamental design review	<input type="radio"/> Change requires fundamental design review

Liquid Waste								
Maximum Storage Capacity (m³)			Maximum Residual for Final Disposal (m³)					
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous		Liquid Industrial		Other Liquid Waste	
			Daily	Annually	Daily	Annually	Daily	Annually

Solid Waste					
Maximum Storage Capacity (tonnes)		Maximum Residual for Final Disposal (tonnes)			
Hazardous	Non-hazardous	Hazardous		Non-hazardous	
		Daily	Annually	Daily	Annually

Maximum Amount of Waste to be Received Daily				
Liquid (m³)			Solid (tonnes)	
Hazardous	Liquid Industrial	Other Liquid Waste	Solid (tonnes)	
			Hazardous	Non-hazardous

5 Facility Information

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5.4.3 Thermal Treatment Facility – Complete this information if thermal treatment takes place at this facility

Waste Type for Thermal Treatment		Design Capacity	
<input type="checkbox"/>	Hazardous waste or liquid industrial waste	<input type="radio"/> ≤ 100 tonnes per day	<input type="radio"/> > 100 tonnes per day
<input type="checkbox"/>	Waste other than hazardous waste and liquid industrial waste	<input type="radio"/> ≤ 100 tonnes per day	<input type="radio"/> > 100 tonnes per day

Change to Operations		
<input type="radio"/>	No Change Proposed	<input type="radio"/> Change does not require fundamental design review
<input type="radio"/>	Change requires fundamental design review	

Liquid Waste								
Maximum Storage Capacity (m ³)			Maximum Residual for Final Disposal (m ³)					
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous		Liquid Industrial		Other Liquid Waste	
			Daily	Annually	Daily	Annually	Daily	Annually

Solid Waste					
Maximum Storage Capacity (tonnes)		Maximum Residual for Final Disposal (tonnes)			
Hazardous	Non-hazardous	Hazardous		Non-hazardous	
		Daily	Annually	Daily	Annually

Maximum Amount of Waste to be Received Daily					
Liquid (m ³)			Solid (tonnes)		
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous	Non-hazardous	

Maximum Daily Feed Rate (tonnes/m ³)			
Hazardous Waste (tonnes)	Non-hazardous Waste (tonnes)	Liquid Industrial Waste (m ³)	Other Liquid Waste (m ³)

5 Facility Information

Print Form

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Save Form

5.4.4 Landfill Site – Complete this information if this facility operates as a landfill site

Waste Types to be accepted at the Landfill	Design Capacity		
<input type="checkbox"/> Hazardous waste or liquid industrial waste	<input type="radio"/> ≤ 40,000 m ³	<input type="radio"/> > 40,000 m ³ ≤ 3 million m ³	<input type="radio"/> > 3 million m ³
<input type="checkbox"/> Waste is only uncontaminated tree stumps, leaves, branches, concrete and rocks	<input type="radio"/> ≤ 40,000 m ³	<input type="radio"/> > 40,000 m ³ ≤ 3 million m ³	<input type="radio"/> > 3 million m ³
<input type="checkbox"/> Waste other than hazardous waste and liquid industrial waste, other than uncontaminated tree stumps, leaves, branches, concrete and rocks.	<input type="radio"/> ≤ 40,000 m ³	<input type="radio"/> > 40,000 m ³ ≤ 3 million m ³	<input type="radio"/> > 3 million m ³

Change to Operations		
<input type="radio"/> No Change Proposed	<input type="radio"/> Change does not require fundamental design review or hydrogeological assessment	<input type="radio"/> Change requires fundamental design review or hydrogeological assessment

Maximum Landfilling Capacity (m ³)			
Hazardous Waste	Non-hazardous Waste	Liquid Industrial Waste	Other Liquid Waste

Maximum Amount of Waste to be Received							
Hazardous Waste (tonnes)		Non-hazardous Waste (tonnes)		Liquid Industrial Waste (m ³)		Other Liquid Waste (m ³)	
Daily	Annually	Daily	Annually	Daily	Annually	Daily	Annually

Landfill Information				
Area to be Landfilled (hectares)	Total Site Area including Buffer Area (hectares)	Estimated Date of Closure (yyyy/mm/dd)	Population Served	Control Types (select all that apply)
				<input type="checkbox"/> Leachate Collected and Treated Off-site <input type="checkbox"/> Leachate Collected and Treated On-site <input type="checkbox"/> Landfill Gas Collected and Flared <input type="checkbox"/> Landfill Gas Collected for Energy Generation <input type="checkbox"/> Other (describe):

5 Facility Information

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5.5 Waste Management Systems (Except Mobile Waste Processing)

IF YOUR APPLICATION IS NOT FOR A WASTE MANAGEMENT SYSTEM PLEASE PROCEED TO SECTION 5.7.

5.5.1 Fleet List (all vehicles and equipment to be used in the operation of the Waste Management System)

Separate list attached? Yes No

Year	Make	Model	Vehicle Identification Number (VIN)	Licence Plate Number	Province/State

5.5.2 Vehicle Information

Are all the vehicles to be used owned by the applicant? Yes No

If no, please include additional information about ownership arrangements for each vehicle not owned by the applicant.

Has a minimum of \$1,000,000.00 liability insurance been obtained for all vehicles for which it is required? Yes No

Describe any additional insurances that are held (for example, environmental impairment liability insurance).

5 Facility Information

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General Waste Management System – Disposal Site Information

What is the Final Destination of Waste to be Transported by the General Waste Management System? (select all that apply)

- A disposal site in Ontario approved by the Ministry of the Environment
- Disposal sites outside of Ontario approved by another regulatory agency

List the destination province(s)/state(s):

5.5.4 Soil Conditioner Waste Management System

(includes non-agricultural source material (NASM) that is waste and processed organic waste (biosolids) destined for land application only)

Has the applicant received recommendation from Biosolids Utilization Committee (BUC) for land application of processed organic waste (biosolids) or NASM?

- Yes If yes, please provide a copy of the BUC recommendation.
- No If no, please clarify:

Spreading equipment (land application only)

Separate list attached? Yes No

Equipment Type	Make & Model	Description

5 Facility Information

Print Form

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Method of system operation (land application only)

Estimated quantity to be handled on an annual basis (cubic metres/litres/tonnes):

Please describe the loading procedures:

Please describe the spreading methods:

Please describe the storage facilities (tanks, lagoons, etc.):

Soil Conditioner Waste Management System – Land Application Sites

What is the final destination of waste to be transported by the soil conditioner waste management system? (must include for land application only)

- Non-agricultural land
 Agricultural land
 Both agricultural and non-agricultural land

5.5.5 Hauled Sewage (Septage) Waste Management System

Type(s) of hauled sewage (septage) to be transported

- Portable toilet waste
 Septic tank waste
 Holding tank waste
 Other (specify):

Spreading Equipment (land application only)

Separate list attached? Yes No

Equipment Type	Make & Model	Description

5 Facility Information

Print Form

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Does this system include in-transit storage? Yes No 

If yes:

a) What is the duration of storage? Please specify (Maximum period of in-transit storage should not exceed more than two weeks):

b) Is the storage tank a prefabricated tank with the capacity < 100,000 L, designed and constructed in accordance with a Class 5 Sewage System under the Ontario Building Code or CAN/CSA B66-05?

Yes No If no, please provide a copy of the design of the storage tank signed and dated by a professional engineer.

Does this system include in-transit processing? Yes No 

If yes:

a) Location of in-transit processing:

In Vehicle In-storage Tank

b) Describe the method of in-transit processing:

Does this system use barge/boat to transport hauled sewage (septage)? Yes No 

If yes,

a) Has a minimum of \$1,000,000.00 liability insurance been obtained for the barge/boat for which it is required?

Yes No

b) Does the barge/boat have an engine of 10 horsepower (hp) or more, for which a commercial vessel licence is required from Transport Canada?

Yes No If yes, please include a copy of the commercial vessel licence.

Note: For in-transit storage or processing the applicant must include with the application the consent of the landowner, if the landowner is different than the applicant. A financial assurance estimate must be provided by applicants using in-transit storage or using in-transit processing where processing is conducted in the in-transit storage tanks.

5 Facility Information

Print Form

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Hauled Sewage (Septage) Waste Management System – Land Application Sites N/A 

List the Environmental Compliance Approval Number(s) of all disposal site(s) approved by the Ministry of the Environment for land application of hauled sewage in association with this waste management system.

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)

5 Facility Information

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5.6 Waste Management System – Mobile Waste Processing

5.6.1 Mobile Waste Management System Process and Equipment Description

Type(s) of Waste to be Processed (select all that apply)

Subject:

- Hazardous Waste
- Liquid Industrial Waste

Non-subject:

- Municipal (non-hazardous)
- Other Liquid Waste

Number of Units	Type of Waste to be Processed by the Unit(s)	Financial Assurance (per unit)	Financial Assurance Required
	Non-hazardous Solid Waste	\$5,000	
	Hazardous Waste	\$20,000	
	Liquid Industrial Waste	\$20,000	
	Other Liquid Waste	\$20,000	
	Multiple Types of Waste from the Categories Above	\$20,000	
Total Financial Assurance			

Municipal (non-hazardous) Waste Categories to be Processed (select all that apply)

- Contaminated Soil at Cleanup Site
- Wood Waste
- Construction & Demolition Waste
- Asbestos Waste
- Tires
- Domestic Waste
- Other (specify):

Other Liquid Waste Categories to be Processed (select all that apply)

- Hauled Sewage
- Waste from Food Processing/Preparation Operations
- Processed Organic
- Other (specify):

Hazardous/Liquid Industrial Waste Types to be Processed							

5 Facility Information

Print Form

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5.6.2 Equipment Information – Please attach a separate list if more space is required.

Separate list attached? Yes No

Unit No.	Unit Type	Process Description	Equipment List				
			Equipment Type	Make	Model	Serial Number	Equipment Capacity (including unit of measurement)
Unit 1							
Unit 2							
Unit 3							
Unit 4							

5 Facility Information

Print Form

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5.7 Cleanup of Contaminated Sites

IF YOUR APPLICATION IS NOT FOR A CLEANUP OF A CONTAMINATED SITE PLEASE PROCEED TO SECTION 6.

Type of cleanup:

- In-situ
- Ex-situ
- Both

Contaminated media to be treated:

- Groundwater
- Surface water
- Sediment
- Soil

Waste Type:

Subject:

- Hazardous Waste
- Liquid Industrial Waste

Non-subject:

- Municipal (non-hazardous)
- Other Liquid Waste

Type of discharge:

- Air
- Groundwater
- Storm or sanitary
- Surface water
- Noise

6 Supporting Documentation and Technical Requirements

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6.1 General -- THIS IS A LIST OF SUPPORTING INFORMATION TO THIS APPLICATION AND IS SUBJECT TO THE FIPPA AND EBR.

Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (✓)
<input checked="" type="checkbox"/> Proof of legal name	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Enhanced EBR description	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Provincial Officer Notice	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Inspection Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Detailed project and process description	<input type="radio"/> Yes <input checked="" type="radio"/> No	Included in ESDM Report	<input type="checkbox"/>
<input checked="" type="checkbox"/> Pre-application Consultation Record	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not required for this application	<input type="checkbox"/>
Legal Survey(s)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Site Plan(s)	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Scaled area location plan(s) with geo-referencing points identified	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Documentation in support of EBR Exception	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Proof of Compliance with EAA Requirements	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Proof of Consultation/Notification	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Financial Assurance Estimate	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not required for this application	<input type="checkbox"/>
Name, address and consent of land/site owner for the installation and operation of the proposed activity or storage location of equipment or vehicle	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Name, address and phone number of the Operating Authority	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of NEPDA Permit	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy/Proof of Municipal Planning Approval (ORMCA, general)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Municipal Zoning Confirmation Letter	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Zoning map	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Conservation Authority Clearance	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Director's approval for Policy 2 Deviation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Application Fee	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6 Supporting Documentation and Technical Requirements

Print Form

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Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (√)
<input checked="" type="checkbox"/> A copy of this application has been sent to the Ministry Local District Office	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Explanation for confidentiality	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6.2 Air

<input checked="" type="checkbox"/> Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s.22 and of O. Reg. 419/05 (including signed checklist – PIBS 5357e)	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Electronic copy of the Dispersion Modelling input and output files prepared in accordance with s.26 of O. Reg. 419/05	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit – Supplement to Application for Approval, EPA S.9 (PIBS 4872)	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copies of forms requesting O. Reg. 419/05 instruments and supporting documentation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6.3 Noise and Vibration

Primary Noise Screening	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Secondary Noise Screening	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Abbreviated Acoustic Assessment Report including signed checklist (A-AAR)	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Acoustic Assessment Report including signed checklist (AAR) (PIBS 5356e)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Vibration Assessment report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6 Supporting Documentation and Technical Requirements

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Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (✓)
Noise Abatement Action Plan	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

✓ **6.4 Sewage**

Signed Municipal Responsibility Agreement	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Detailed description of the proposed activities/works	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
✓ Notice of Completion for the Environmental Study Report (ESR)	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Design Brief	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
✓ Preliminary Engineering Report	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Final Plans	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Engineering Drawings and Specifications	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Sewage quantity and quality characteristics	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Stormwater Management Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Stormwater Management Plan	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Hydrogeological Assessment	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
✓ Environmental Impact Analysis	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Final effluent criteria accepted by regional office of the Ministry	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Sewage Works Limited Operational Flexibility Requirements			
1. Engineer's Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
2. Declarations	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Pipe Design Data Form	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6 Supporting Documentation and Technical Requirements

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Attachment	Attached	If no, provide explanation. (include referenced attachment if more space is required for rationale)	Confidential* (√)
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6.5 Waste Disposal Sites

Design and Operations Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Stormwater Management Report	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Hydrogeological Assessment	<input type="radio"/> Yes <input type="radio"/> No		
Assessment of Physical and Water Use Conditions	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Waste Limited Operational Flexibility Requirements			
1. Engineer's Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
2. Declarations	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of notification to adjacent landowners	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6.6 Waste Management Systems

Proof of vehicle and/or equipment ownerships	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Complete Fleet List (list of all vehicles, trailers and equipment used)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of the Liability Insurance for all vehicles for which insurance is required	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of BUC recommendation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of the storage tank design	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of commercial vehicle licence	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Description of the physical location where the vehicles transporting biomedical waste are being disinfected	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Drivers Training Manual (for PCB/Biomedical Waste)	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
A copy of the applicant's Operation Plan including detailed packaging and biomedical waste handling methods	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Contingency and Emergency Procedures Plan (for PCB/Biomedical Waste/Hauled Sewage (Septage))	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6 Supporting Documentation and Technical Requirements

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Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (√)
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6.7 Mobile Waste Processing

Design and Operations Report – Mobile Waste Processing of General Waste	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Design and Operations Report – Mobile Waste Processing of Liquid Waste	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6.8 Cleanup of Contaminated Sites

Design Report for Cleanup of Contaminated Sites	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

6.9 Other Attachments

Title	Reference	Confidential* (√)
Existing Certificate of Approval (Air and Noise)	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
Are you attaching an additional list of attachments? <input type="radio"/> Yes <input checked="" type="radio"/> No	If there is not enough space to list all of the attachments included in this application package, please include an additional listing of these attachments.	

*Please note: The collection of personal information in this application is necessary to administer the Ministry's approvals program, which is authorized pursuant to the Environmental Protection Act and the Ontario Water Resources Act. The personal information collected in this application will be used to administer the program, including for the purposes of the Ministry's compliance and enforcement activities under the aforementioned acts, and for the purposes of making information in respect of Environmental Compliance Approvals available to the public with the exception of payment information. Questions about the collection of the information can be directed to a Client Service Representative, Environmental Approvals Access and Service Integration Branch, 2 St. Clair Avenue West, Floor 12A, Toronto Ontario M4V 1L5; Telephone outside Toronto 1-800-461-6290 or in Toronto 416-314-8001 or Fax 416-314-8452.



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➤ Payment Information: Application for an Environmental Compliance Approval

Please Note:

1. If you are completing this form by hand, you must complete and attach your fee calculations separately.
You do not need to include the supplemental fee calculations if you are filling in this form electronically.
2. If you are completing this form electronically, the fees for this application have been calculated based on the information you have provided.
The Ministry may require additional information during the review of your application that could impact the total fee required.
3. All fees should be paid in Canadian funds, payable to the *Minister of Finance*, except fees for *Transfer of Review*, which are payable to the local municipality.
4. Credit card payments are accepted for payments under \$10,000 only.
5. If you are paying by certified cheque or money order, please staple your payment to this page.
6. The information collected in this section of the form is considered confidential and will only be used to process your application fee.

Do not include this page in the copies of your application that are being provided to the Local Ministry District Office.

s.N/R

Amount Enclosed

Method of Payment

Amount Enclosed	Method of Payment
[Redacted Table Content]	

*If paying by certified cheque or money order,
please attach it here.*

ontario.ca/environment



PIBS: 8551e (10/2011)



OAKVILLE

Certificate of Occupancy

Sec.4 Oakville Zoning By-law

This certifies that the proposed use of the land, building or structure described below is not prohibited by the Town of Oakville Zoning By-law 1984-63 as amended.

Location of Building 2192 Wyecroft Road
(Lot No. Plan No.)

Business Name Kencro Chemicals Ltd.

Proprietor of Business Kenneth G Dunwoody

Address 2172 Wyecroft Road, Oakville ON L6L 5V6
(Postal Code)

Type of Building Employment

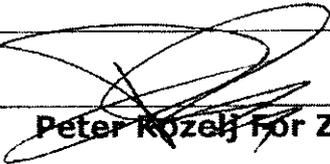
Property Zoned E2

Property Use Light Industrial Operation (Packaging and Warehousing)

Remarks Subject to Applicable Zoning Regulations.

September 16, 2011

Date


Peter Rozelj for Zoning Administrator

Issuance of this certificate does not constitute Authorization of Occupancy where required by Section 11 of the Ontario Building Code Act.

APPLICATION FOR CERTIFICATE OF OCCUPANCY

SECTION 4 - OAKVILLE CONSOLIDATED ZONING BY-LAW 1984-63 as amended

2192 Wycroft Road
 Street Address

Unit No.	Floor Level	Lot	Plan No.

Property Owner: 1374348 Ontario Inc.
 Address of Property: Unit #4 2172 Wycroft Road, Oakville, L6L 5V6
 Business: Kencro Chemicals Ltd. NO: (905) 827-4133
 Proprietor of: Kenneth G. Dunwoody
 Address: 2172 Wycroft Road City: Oakville
 PHONE NO: (905) 827-4133 Postal Code: L6L 5V6

DESCRIPTION OF BUSINESS TO BE CONDUCTED : (Please give details)

Receiving chemical commodities, warehouse, and repackage into smaller lots for redistribution.
 The business currently has Certificate of Occupancy 2147 (July 2, 1991) and will move to an adjacent property, that is larger and self contained.

Please Note:

Any signs erected or displayed in conjunction with the above business will require a permit. Applicant should inquire in the in the Licensing Department to determine if a licence is required in conjunction with the above noted business. Applicant should inquire in the Building Department to determine if a building permit is required for construction in conjunction with the above noted business.

The personal information accompanying your submission is being collected under the authority of the Planning Act and may form part of the public record which may be released to the public. Questions about this collection should be directed to the Records and Freedom of Information Officer at (905) 815-6053.

I am aware that any deviation from the above uses may constitute a violation of The Town of Oakville Zoning By-Law.

SIGNATURE VALIDATION (initials) GN
 COMPANY POSITION: Engineering Consultant
 DATE: 2011-09-09

Peter Kozelj - Acting Zoning Supervisor

Submit by Email

CERTIFICATE OF OCCUPANCY

Sec. 4 Oakville Zoning By-law

This certifies that the proposed use of the land, building or structure described below is not prohibited by the Town of Oakville Zoning By-law 1984-63

s.21

LOCATION OF BUILDING 2172 Wycroft Road, Unit 4 & 5

(Number) (Street) (Lot No.) (Plan No.)
BUSINESS NAME Kencro Chemicals Limited

PROPRIETOR OF BUSINESS Kenneth G. Dunwoody

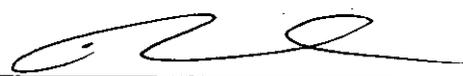
TYPE OF BUILDING Industrial

PROPERTY ZONED M3 HEAVY INDUSTRIAL

PROPERTY USE Warehousing packing, distribution of Chemical commodities

REMARKS Subject to compliance with the Fire Code regulations and Ontario Building Code requirements.

Date: July 2, 1991


for Zoning Administrator

Issuance of this certificate does not constitute Authorization for Occupancy where required by Section 7 of The Ontario Building Code Act or Section 2.4.3. of the Regulation there under.

Ministry of the Environment
Environmental Assessment and
Approvals Branch
Floor 12A
2 St Clair Ave W
Toronto ON M4V 1L5
Fax: (416)314-8452
Telephone: (416) 314-8001

Ministère de l'Environnement
Direction des évaluations et des
autorisations environnementales
Étage 12A
2 av St Clair O
Toronto ON M4V 1L5
Télécopieur : (416)314-8452
Téléphone : (416) 314-8001



January 22, 2010

Ken Dunwoody, President
Kencro Chemicals Limited
2172 Wyecroft Rd, No. Unit 4
Oakville, Ontario
L6L 5V6

Dear Sir:

**Re: Application for Approval of Air
Addition of one (1) additional source
Oakville Town, Regional Municipality of Halton
MOE Reference Number 6691-7WKKRN**

Please find enclosed the Certificate of Approval (Air) for the above referenced application.

Based on our technical evaluation and the information submitted with your application, the Equipment is cap requirements.

We emphasize that if, at any time, emissions from the Equipment/Facility contravene any part of the Act, Reg in the above noted Certificate, such contravention may become the subject of enforcement in accordance with Director may amend or revoke the above noted Certificate in accordance with his powers under the Act.

Please be advised that Ontario Regulation 419/05: Air Pollution – Local Air Quality came into force on November 31, 2007. This regulation changes the way air emissions are regulated in Ontario. Regulation 419/05 impose today and in the future.

Regulation 419/05 introduced new or updated air standards and sets out new requirements concerning the use following time lines affect Schedule 4 sector facilities:

- **February 1, 2009** - ESDM reports accompanying CofA applications made after January 31, 2009 must be prepared as if s.20 (Schedule 3 and advanced approved dispersion models) applies. (s.22).

- **February 1, 2010** - By February 1, 2010, facilities that belong to sectors listed in Schedule 4 are required to comply with all standards in Schedule 3 using the advanced approved air dispersion models. Note there are some Schedule 3 standards that begin to take effect on February 1, 2013. (s.20)
- **February 1, 2010** - By February 1, 2010 facilities that belong to sectors listed in Schedule 4 are required to prepare and annually update an Emission Summary and Dispersion Modelling (ESDM) report. (s.23 and s.25).
- **October 31, 2008** - Should it be determined that a Schedule 3 standard cannot be met by the set compliance date, facilities that belong to sectors listed in Schedule 4 may request an alternative standard. The window set out in the Regulation within which to make this request opened on February 1, 2007 and closes on October 31, 2008. More information on the Alternative Standards process can be found in the "Guide for Requesting an Alternative Air Standard" on the MOE website (PIBs# 6322e). (s.32).

The Regulation 419/05 web-site contains comprehensive information including Frequently Asked Questions, the Regulation. <http://www.ene.gov.on.ca/envision/air/regulations/localquality.htm>

If you have any questions regarding the above, please contact Saneth Tieu, P. Eng., Senior Air Engineer, at (<

Yours truly,



Victor Low, P.Eng.
Director
Section 9, Environmental Protection Act

c: District Manager, MOE Halton-Peel
Graeme Norval, GWN Chemical Consulting Inc.

AMENDED CERTIFICATE OF APPROVAL

AIR

NUMBER 8440-7ZEPW5

Issue Date: January 25, 2010

Kencro Chemicals Limited
2172 Wyecroft Rd, No. Unit 4
Oakville, Ontario
L6L 5V6

Location: Kencro Chemicals
2172 Wyecroft Rd
Oakville Town, Regional Municipality of Halton
L6L 5V6

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) packed bed scrubber, used to control emissions of hydrochloric acid (32% solution) during unloading from truck into storage tank and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- one (1) packed bed scrubber, used to control emissions of either acetic acid (99 % solution) or nitric acid (67 % solution) during unloading from truck into storage tanks and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- four (4) storage tanks for the storage of sodium hydroxide (NaOH) 50% solution, potassium hydroxide (KOH) 45% solution, ferric chloride (FeCl₃) 45% solution, and sulfuric acid (H₂SO₄) 96% solution, respectively, exhausting into the atmosphere with its own vent parameters as outlined in the attached Schedule "A".
- **two (2) storage tanks used for the storage of 12% trade sodium hypochlorite**

solution (10.4 weight percent), exhausting into the atmosphere through a common vent, identified as source 7, with vent parameters as outlined in the attached Schedule "A".

All in accordance with the application for a Certificate of Approval (Air) signed by K.G.(Ken) Dunwoody, dated June 24, 2002 and all supporting information. Revised ESDM report dated January 9, 2010 from Graeme Norval of GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment. E-mail dated January 20, 2010 from GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment.

Schedule "A"

This Schedule "A" forms part of the Certificate of Approval (Air).

Source Identifier	Description	Volumetric flow rate (cubic metre per second)	Exit diameter (metre)	Vent height above grade (metre)	Vent height above the roof (metre)
1	NaOH	0.051	0.076	6.4	0.15
2	KOH	0.026	0.076	6.4	0.15
3	FeCl ₃	0.051	0.076	6.4	0.15
4	H ₂ SO ₄	0.051	0.076	6.4	0.15
7	Sodium Hypochlorite	0.05	0.10	7.1	0.9

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Company" means Kencro Chemicals Limited;
- (3) "Certificate" means this Certificate of Approval including Schedule "A", issued in accordance with Section 9 of the Act;
- (4) "Equipment" means the packed bed scrubbers described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provides written instructions to staff

of the Company; and

(6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:

(1) prepare, before commencement of operation of the Facility, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Facility, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices, and as recommended by the Equipment Suppliers;

(b) emergency procedures;

(c) frequency of cleaning of the Equipment;

(d) procedures for any record keeping activities relating to operation and maintenance of the Facility and the Equipment;

(e) procedures for recording and responding to environmental complaints relating to the operation of the Facility; and

(f) all appropriate measures to minimize noise and odorous emissions from all potential sources; and

(2) implement the recommendations of the Manual.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition, the Company is required to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the Regulations and this Certificate.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 1511-5GGMD6 issued on December 9, 2002

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 25th day of January, 2010



EMISSION SUMMARY AND DISPERSION MODELLING REPORT CHECKLIST

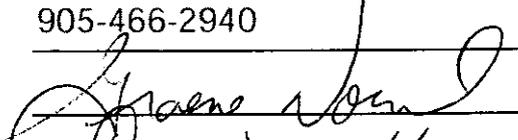
Company Name: Kencro Chemicals Ltd.

Company Address: 2192 Wyecroft Road, Oakville, Ontario, L6L 6R1

Location of Facility: same

The attached Emission Summary and Dispersion Modeling Report was prepared in accordance with s.26 of O. Reg. 419/05 and the guidance in the MOE document "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated March 2009 and "Air Dispersion Modelling Guideline for Ontario" dated March 2009 and the minimum required information identified in the check-list on the reverse of this sheet has been submitted.

Company Contact:	_____
Name:	<u>Ken Dunwoody</u>
Title:	<u>President</u>
Phone Number:	<u>905-827-4133</u>
Signature:	<u></u>
Date:	<u>12/21/11</u>

Technical Contact:	_____
Name:	<u>Graeme Norval</u>
Representing:	<u>GWN Chemical Consulting, Inc.</u>
Phone Number:	<u>905-466-2940</u>
Signature:	<u></u>
Date:	<u>Dec 18, 2011</u>

EMISSION SUMMARY AND DISPERSION MODELLING REPORT CHECKLIST

Required Information		Submitted	Explanation/Reference
Executive Summary and Emission Summary Table			
1.1	Overview of ESDM Report	<input checked="" type="checkbox"/> Yes	
1.2	Emission Summary Table	<input checked="" type="checkbox"/> Yes	
1.0	Introduction and Facility Description		
1.1	Purpose and Scope of ESDM Report (when report only represents a portion of facility)	<input checked="" type="checkbox"/> Yes	
1.2	Description of Processes and NAICS code(s)	<input checked="" type="checkbox"/> Yes	
1.3	Description of Products and Raw Materials	<input checked="" type="checkbox"/> Yes	
1.4	Process Flow Diagram	<input type="checkbox"/> Yes	no processing
1.5	Operating Schedule	<input checked="" type="checkbox"/> Yes	
2.0	Initial Identification of Sources and Contaminants		
2.1	Sources and Contaminants Identification Table	<input checked="" type="checkbox"/> Yes	
3.0	Assessment of the Significance of Contaminants and Sources		
3.1	Identification of Negligible Contaminants and Sources	<input checked="" type="checkbox"/> Yes	
3.2	Rationale for Assessment	<input checked="" type="checkbox"/> Yes	
4.0	Operating Conditions, Emission Rate Estimating and Data Quality		
4.1	Description of operating conditions, for each significant contaminant that results in the maximum POI concentration for that contaminant	<input checked="" type="checkbox"/> Yes	
4.2	Explanation of Method used to calculate the emission rate for each contaminant	<input checked="" type="checkbox"/> Yes	
4.3	Sample calculation for each method	<input checked="" type="checkbox"/> Yes	
4.4	Assessment of Data Quality for each emission rate	<input checked="" type="checkbox"/> Yes	
5.0	Source Summary Table and Property Plan		
5.1	Source Summary Table	<input checked="" type="checkbox"/> Yes	
5.2	Site Plan (scalable)	<input checked="" type="checkbox"/> Yes	
6.0	Dispersion Modelling		
6.1	Dispersion Modelling Input Summary Table	<input checked="" type="checkbox"/> Yes	
6.2	Land Use Zoning Designation Plan	<input checked="" type="checkbox"/> Yes	
6.3	Dispersion Modelling Input and Output Files	<input checked="" type="checkbox"/> Yes	
7.0	Emission Summary Table and Conclusions		
7.1	Emission Summary Table	<input checked="" type="checkbox"/> Yes	
7.2	Assessment of Contaminants with no MOE POI Limits	<input checked="" type="checkbox"/> Yes	
7.3	Conclusions	<input checked="" type="checkbox"/> Yes	
Appendices (Provide supporting information or details such as...)			
		<input type="checkbox"/> Yes	

EMISSIONS SUMMARY AND DISPERSION MODEL REPORT

For

Kencro Chemicals Ltd.

Prepared for: Ken Dunwoody
Kencro Chemicals, Ltd.
2192 Wycroft Road
Oakville, Ontario, Ontario, L6L 6R1

Prepared by: Graeme Norval, Ph.D., P.Eng.

Date: December 16, 2011



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Zoning Map	attached

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Executive Summary

Kencro Chemicals Ltd. is a company that receives truck deliveries of industrial chemicals, and repackages them for smaller consumers. Typical package sizes are 1000 L totes, 205 L drums and 25 L pails, with some customers taking 100 mL – 2 L bottles. Bulk chemicals are received primarily as solutions, with some received as bagged solids.

In 2002, Kencro applied for and received a Certificate of Approval (Air) for a number of sources, and for 2 scrubbing systems (CofA – Air #1511-5GGMD6). This application was updated in 2010 (CofA – Air #8440-7ZEPW5). As the business continues to expand, Kencro has purchased the adjacent property at 2192 Wycroft Road and is applying for an Environmental Compliance Approval (Air and Noise) for the new facility. This ESDM report compiles all of the information, in accordance with Regulation 419/05, and demonstrates that they comply with Ministry of the Environment regulations.

ENVIRONMENTAL BILL OF RIGHTS Abstract

Kencro Chemicals Ltd., a company that packages and sells industrial chemicals in Oakville, Ontario (current Certificate of Approval (Air) is #8440-7ZEPW5) is moving to the adjacent property at 2192 Wycroft Road and seeks to apply for an Environmental Compliance Approval for this new facility. The chemicals emitted include hydrogen chloride, acetic acid and nitric acid and citric acid. When handled, air containing these compounds is treated with a chemical scrubber, and emissions from the facility are below regulated levels. Other products are handled, and have no vapour emissions due to the absence of vapour species; these include sulfuric acid, sodium hydroxide, hydrogen peroxide and propylene glycol. It is noted that the facility heating system is exempt because the maximum energy output is less than 1.58 GJ/hr.

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EMISSION SUMMARY TABLE

Contaminant	CAS#	Total Facility Emission Rate (g/s)	Air Dispersion Model Used	Maximum POI Concentration ($\mu\text{g}/\text{m}^3$)	Averaging Period (hrs)	MOE POI Limit ($\mu\text{g}/\text{m}^3$)	Limiting Effect	Regulation Schedule #	% of MOE POI Limit
Hydrochloric Acid ⁱ	7647-01-0	0.0033	Screen3	7.2	30 minute	20	health	419 S3	36%
Acetic Acid	64-19-7	0.00066	Screen3	1.4	30 minute	2500	odour	419 S2	<1%
Nitric Acid ⁱⁱ	7697-37-2	0.00025	Screen3	0.5	30 minute	35	corrosion	419 S3	1.4%
Citric Acid	77-92-9	0.004	Screen3	8.7	30 minute	100	particulate	419 - Guideline	8.7%

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Introduction and Facility Description

Kencro Chemicals Ltd. (www.kencro.ca) was founded 23 years ago as a company that receives truck deliveries of industrial chemicals, and repackaging them for smaller industrial applications and consumers. Typical package sizes are 1000 L totes, 205 L drums and 25 L pails, with some customers taking 100 mL – 2 L bottles. The bulk chemicals are received primarily as solutions, and are either packaged as is, or are diluted and packaged. In 2002, Kencro applied for and received a Certificate of Approval (Air) for a number of sources, and for 2 scrubbing systems (CofA – Air #1511-5GGMD6). Business conditions changed over the years, and Kencro expanded through leasing adjacent units at 2172 Wyecroft Road, Oakville. The approval was updated in 2010 (CofA – Air #8440-7ZEPW5).

Kencro has purchased the adjacent property at 2192 Wyecroft Road, Oakville, Ontario; Photograph 1 is a Google Earth image of the building and site. The southwest corner is Zone 17T, easting 603112.0, Northing 4807742.0 and the Main Entrance is Zone 17T, Easting 603047.0, Northing 4807836.0.

It will move into the building and operate it as a self contained site – with no tenants on the property. The bulk chemicals (caustic soda, caustic potash, sulfuric acid, hydrochloric acid, ferric chloride, nitric acid, as well as acetic acid and sodium hypochlorite) will be received by unloading inside the fenced in yard, on the east side of the building, seen in Photograph 2. A variety of packaged goods are handled, including soda ash and hydrated lime.

The NAICS code is 325188, Other Basic Inorganic Chemicals Manufacturing. This ESDM is current, and in conformance with Ontario Regulation 419/05.

Initial Identification of Sources and Contaminants

The site has four sources, which are described below.

Source #1, Sulfuric Acid Vent

Three sulfuric acid grades are handled. Industrial grade 93% sulfuric acid is offloaded by air padding. Industrial grade 70% sulfuric acid also is delivered and offloaded using compressed air. Distilled (ultra high purity) 96% sulfuric acid is delivered, and off-loaded using bottled nitrogen. The offloading rate is slower with this product because of the slower rate of padding gas flow (air is delivered from a reciprocating compressor). The sulfuric acid tank vents are connected to one common 4" vent. The coordinates of the source are (62.6, 23.8, 7.0).

The industrial grade 96% sulfuric acid is delivered in a typical loads of 48,000 lb, and the typical unloading time is 90 minutes. During unloading, the rate of air displacement from the storage tank is 0.026 m³/s. When the load is finished, the residual air in the truck (10 psig) depressurizes in 10 minutes, giving a maximum air rate of 0.051 m³/s for 10 minutes.

The normal boiling point of sulfuric acid 328C. The vapour pressure of 93% and 96% H₂SO₄ at 25°C are less than 0.001 mm Hg. The vapour above 70% sulfuric acid is water (no H₂SO₄ is present). Thus, displacing the air in the storage tank leads to the emission of air only, and no contaminants.

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Source #2) HCl Scrubber

Kencro receives loads of 32% hydrochloric acid. The truck delivers 4300 Igal each load, and has a volume of 5000 Igal. Two FRP tanks are used, each with capacity of 3450 Igal. The vapour pressure of HCl over 32% hydrochloric acid is 32.5 mm Hg (Perry's Chemical Engineers' Handbook, 5th Ed., p 3-63). The truck is unloaded by air pad in 80 minutes.

The air supply is shut off part way through the transfer. At the end of the liquid transfer, the truck's internal pressure is 10 psig. This air depressurizes in 10 minutes, and exits the storage tank saturated with HCl. The air exiting the storage tanks is piped into a polypropylene scrubber, using a caustic soda solution. The scrubber was designed and built by Fabricated Plastics Ltd.; it employs a blower with a volumetric rate of 28.3 m³/min (1000 cfm). The stack is 10" diameter, giving an exit velocity of 9.28 m/s. The scrubber is guaranteed to be 98% efficient at removing HCl. The scrubber uses a caustic soda solution, which is replaced prior to receiving a load. The scrubber also is used to collect all fumes generated when packaging HCl into totes or drums. Photograph 3 shows the scrubber.

The scrubber is to be installed near to the HCl tanks. The coordinates are (75.4, 26.2, 9.1).

Source #3) Acetic Acid, Sodium Bisulfite, Ferric Chloride and Nitric Acid Scrubber

This scrubber is common for the nitric acid and ferric chloride storage tanks and the elephant trunk system used for fume removal when filling pails, drums and tote containers (acetic acid, sodium bisulfite, nitric acid and ferric chloride). In practice, these products are offloaded individually, and only one product will be emitted at any time. In addition, this scrubbing system is used when these products are packaged. It is also used when dissolving citric acid into water.

Nitric acid is delivered as an 1850 Igal load, in a 2000 Igal truck, which can be offloaded either by air pad, or pump. The pump case involves a 13 Igal/min pump, and an operation lasting 2.5 hours. When the truck is air padded for off-loading, the 1850 gal are transferred in 60 minutes. The vapour pressure of nitric acid is 2.32 mm Hg (Perry's Chemical Engineers' Handbook, 5th Ed., p 3-66). The emission rate to the scrubber during truck unloading is 18.3 mg/s. The air pressure at the end of the transfer is 10 psig, and the truck depressurizes in 5 minutes. During depressurization, the rate of emission to the scrubber is 0.40 g/s.

Ferric chloride is delivered as a 48Bé solution (density = 1.495, 45% solution). Typical loads are 48,000 lb, and are off-loaded by air pressurization. The typical unloading time is 90 minutes. During unloading, the rate of air displacement from the storage tank is 0.026 m³/s. When the load is finished, the residual air in the truck (10 psig) depressurizes in 10 minutes, giving a maximum air rate of 0.051 m³/s for 10 minutes. The vapour above ferric chloride solutions is solely water. Thus, displacing the air in the storage tank leads to the emission of air only, and no contaminants.

Sodium bisulfite and acetic acid totes are filled by pumping from a truck, and this occurs under the hood. The tote are 1000 L containers, and are filled individually, and then capped. The solutions are offloaded by pump, at a maximum rate of 13 Igal/min.

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The scrubber was designed and built by Fabricated Plastics Ltd. It consists of a blower with a volumetric rate of 1500 cfm (0.71 m³/s). The air is drawn either from the packaging areas or the storage tanks, into a PVC header. Water is sprayed into the horizontal header, and the water is removed by a chevron demister. The water absorbs the acid fumes, and is sent to drain. The stack is 10" diameter, giving an exit velocity of 14.0 m/s. It was guaranteed as 99% efficient, for nitric acid acetic acid removal. Photograph 4 shows the scrubber. The coordinates of the source are (76.2, 27.7, 9.1).

Source 4): Sodium Hypochlorite Tank Vent

Two smaller storage tanks will be used for sodium hypochlorite, with the tanks vents connected, to a common vent; the tanks are placed in the sodium hydroxide dyke. Sodium hypochlorite is delivered as a 12 trade% (10.4 wt%) solution. Typical loads are 48,000 lb, and are off-loaded by air pressurization. The typical unloading time is 90 minutes. During unloading, the rate of air displacement from the storage tank is 0.004 m³/s. When the load is finished, the residual air in the truck (10 psig) depressurizes in 10 minutes, giving a maximum air rate of 0.051 m³/s for 10 minutes.

Sodium hypochlorite is an alkaline bleach solution; the product is not regulated in Ontario. The vapour above aqueous bleach solutions is water, there is no chlorine present. An MSDS is attached. A detailed calculation and explanation is presented in Appendix A.

The coordinates of the source are (52.2, 24.7, 7.0).

Exempt Source

Vents From Effluent Holding Tanks

Each of the three tanks has a 3" vent that run upwards on the south wall, and then exit through the roof. The pipes exit through the roof, 5' 9" from the south wall, separated by 1'. They se have an equal height of 23' above grade. They pass through the roof 15' from the west wall, where the roof height is 21' above grade. This gives the co-ordinates as (88.2, 51.5, 7.0)

Heating System

The facility has natural gas heating; there are 9 overhead radiant heating elements. The facility has been used for container storage for several years, and before that, it was used for steel treating. The historical natural gas consumption data is not available.

The facility at 2172 Wyecroft Road also used radiant heating. The maximum natural gas consumption occurs in the winter, and the maximum monthly demand was 248.8 m³/day (January 2007). This gives a heating rate of 0.35 million kJ/hr, based on the LHV of natural gas (33.6 MJ/m³).

The operations of the facility will be identical in terms of volumes of chemicals received and loaded. The air scrubbers will operate every day as they do now. The volume of the facility at 2192 Wyecroft Road is double that at 2172 Wyecroft Road.

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If one assumes that the heat loss is primarily as sensible heat transfer through walls and roof – then having double the floor space would suggest that the heating demand would double. This is an overestimate, as the heat loss is primarily with the exhaust air, and the exhaust rate will not change.

Regardless, even if the heating rate doubles, it is still well below the threshold value of 1.58 million kJ/hr (this requires a quadrupling of heating rates in double the volume). The heating sources do not need to be listed as a source.

Contaminants

The list of chemicals is presented in Appendix B, and is divided into those for which MOE regulations exist (Appendix B-1) and those for which no regulation exists (Appendix B-2). The regulated value and the Schedule or Guideline number is reported, along with the limiting effect.

Appendix B-2 reports the products for which no MOE POI value exists. This table is presented in the fashion of MOE form 4872. ,

Sources and Contaminants Identification Table

The table below reports the sources and the contaminants expected therefrom.

Source Information			Expected Contaminants	Significant (Yes/No)	Rationale
Source ID	Title	General Location			
1	H ₂ SO ₄ Vent	Roof	None	No	Vapour pressure is negligible
2	HCl Scrubber	Roof	HCl	Yes	HCl has significant vapour pressure
3	Acetic acid, sodium bisulfite, ferric chloride, nitric acid scrubber	Roof	Acetic acid, nitric acid, citric acid, SO ₂	Yes	Other species are de minimus
4	Sodium Hypochlorite Tank Vent	Roof	none	No	Sodium hypochlorite does not have a measurable vapour pressure

Assessment of Significance of Contaminants and Sources

Sodium hydroxide is delivered as a 50% solution. Typical loads are 48,000 lb, and are off-loaded by air pressurization. The typical unloading time is 90 minutes. During unloading, the rate of air displacement from the storage tank is 0.026 m³/s. When the load is finished, the residual air in the truck (10 psig) depressurizes in 10 minutes, giving a maximum air rate of 0.051 m³/s for 10 minutes.

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The vapour above sodium hydroxide solutions is solely water. Thus, displacing the air in the storage tank leads to the emission of air only, and no contaminants. Also, the vent gas is discharged inside the facility, in the dyked area, at ground level.

Potassium hydroxide is delivered as a 45% solution, and stored in the same containment dyke as the sodium hydroxide. The typical load is 2000 Igal, and it is off-loaded by pump in 90 minutes. The air displacement rate from the tank is 0.026 m³/s. The vapour above potassium hydroxide solutions is solely water. The displaced air is vented into the dyke at ground level.

Phosphoric Acid also is delivered to the site. It is unloaded by pump, rather than by padding. The tank vent does not extend through the roof, so it is not a source.

The vapour above sodium hydroxide, potassium hydroxide, phosphoric acid and ferric chloride solutions is water. These sources are insignificant.

The normal boiling point of sulfuric acid 328°C. The vapour pressure of 96 H₂SO₄ at 25°C is less than 0.001 mm Hg. The vapour above 70% sulfuric acid is water (no H₂SO₄ is present). Thus, displacing the air in the storage tank leads to the emission of air only, and no contaminants – Source 1 is insignificant.

There is a significant vapour pressure of hydrogen chloride above HCl solutions. The vapours are scrubbed by a caustic soda solution. For the purposes of this report, Source 2 is a significant source.

There is a significant vapour pressure of acetic acid above acetic acid solutions, of nitric acid and nitrogen oxides above nitric acid solution. In addition, when a bag of citric acid is opened to make a solution, dust can be released. Similarly, when sodium bisulfite totes are filled, there is a vapour release of SO₂. The vapours are scrubbed by a water rinse solution. For the purposes of this report, Source 3 is a significant source.

Source 4 is not a significant source. The vent contains the headspace air of the tank. There is an odour of sodium hypochlorite bleach in the air, but one must be exceedingly close to smell it. The vapour pressure of hypochlorous acid is well less than 0.1 kPa (see Sample Calculations).

Negligible Contaminants

Some of the solid products are received in pails or bags, and are shipped to end use customers in the same container. The containers are never opened. Consequently, there are no emissions, and these contaminants have an emission rate of zero and are negligible. The chemicals are chromic acid, sodium carbonate, sodium bicarbonate, sodium persulfate, sodium metabisulfite, calcium hydroxide, and urea.

Citric acid is put into aqueous solution, which has a vapour pressure that is only water. The solutions are not a concern – it is the solids handling that needs to be considered. The emissions of dust are demonstrated in Appendix A, which shows the emission rate to be de minimus.

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Propylene glycol has a vapour pressure of 1 mm Hg at 45°C (0.13 kPa at 45°C). The product is handled at room temperature; this is a negligible component due to the low vapour pressure.

Calcium chloride solution is received and pumped directly into 1000 L totes. The vapour above calcium chloride solution is water only.

Hydrogen peroxide (35%) is currently received prepackaged, and shipped as is. It is not a concern if the drums are opened and dispensed, or if the product is unloaded directly into a tote, or storage tank. The vapour pressure of H₂O₂ over 50% H₂O₂ is 0.56 mm Hg (< 0.1 kPa), and lower for 35% H₂O₂. Consequently, the emissions are de minimus.

Operating Conditions, Emission Estimating and Data Quality

The Kencro Chemicals facility works on an 8 hr/d, 5 day per week basis. The work space operates at room temperature, and all emissions are at room temperature and atmospheric pressure. Detailed calculations are shown in Appendix A.

Emissions Estimating

HCl Case

A volume is 4300 Igal (19,500 L) is delivered; a delivery truck has a volume of 22 m³. There is a 80 minute unloading time during which the air exiting the tank is assumed to be saturated with HCl at 25°C. This gives an emission rate to the scrubber of 0.26 g/s HCl. When the truck empties, it degasses. This air is assumed to be saturated with HCl at 25°C, and lasts for 10 minutes. This is an emission rate to the scrubber of 3.93 g/s HCl. During the rest of the day, totes or drums can be filled, with a maximum fill rate of 1000 L in 15 min. This gives an emission rate to the scrubber of 53 mg/s.

The scrubber is guaranteed to remove 98% of HCl. The maximum 8 hour day has 10 minutes of truck venting, 80 minutes of tank filling and 6.5 hours of tote filling. This gives a maximum 8 hr average emission rate of 3.3 mg/s, which is used for dispersion modeling and compared against the POI 24 hr average value.

Acetic Acid Case

Kencro receives acetic acid in a semi-bulk trailer. 850 Igal of acetic acid are offloaded by pump, at a maximum rate of 13 Igal/min. Air padding is not used for acetic acid. The vapour pressure of acetic acid is 20.8 mm Hg (Perry's Chemical Engineers' Handbook, 5th Ed., p 3-66). This gives an emission rate to the scrubber of 0.066 g/s. The scrubber is 99% efficient (as reported by Fabricated Plastics, Ltd.). This gives an emission rate of 0.66 mg/s. The truck offloading operation lasts for 70 minutes.

Nitric Acid

Nitric acid is delivered as a 1850 Igal load, in a 2000 Igal truck, which can be offloaded either by air pad, or pump. The pump case involves a 13 Igal/min pump, and an operation lasting 2.5 hours.

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When the truck is air padded for off-loading, the 1850 gal are transferred in 60 minutes. The vapour pressure of nitric acid is 2.32 mm Hg (Perry's Chemical Engineers' Handbook, 5th Ed., p 3-66). The emission rate to the scrubber during truck unloading is 18.3 mg/s. The air pressure at the end of the transfer is 10 psig, and the truck depressurizes in 5 minutes. During depressurization, the rate of emission to the scrubber is 0.40 g/s. With the scrubber at 99% efficient, the emission rate is 4mg/s during the depressurization.

For the rest of the 8 hr day, the emission rate is based on a liquid transfer of 2000 lgal in 60 minutes. With 99% removal in the scrubber, the emission rate is 0.2 mg/s. The 8 hour average emission rate is 0.25mg/s.

Citric Acid and Urea

Citric acid and urea are supplied as dry powder in sacks. The citric acid is emptied into totes and dissolved into warm water (it is readily soluble). The urea is dissolved in an HCl solution. The only means by which they could be emitted is for powder to be drawn into the water wash scrubber, and then to pass through the chevron demisters without dissolving. Given the rate of production and physical behaviour, citric acid emissions are shown to be de minimus.

Sodium Bisulfite

Sodium bisulfite solution is delivered by truck, and offloaded into totes. A 38 wt% SBS solution has an SO₂ vapour pressure of 28 mm Hg (25°C, pH = 4.0). All work is performed under the scrubber (Source 6), which removes the SO₂ vapours to de minimus levels as demonstrated in Appendix A.

Sodium Hypochlorite

For sodium hypochlorite, the rate of air displacement during truck unloading is described above. The maximum instantaneous air release occurs after the truck is emptied, and the pressure inside the truck blows out through the tank vent. Sodium hypochlorite solutions have a very low vapour pressure, well less than 0.1 kPa.

The calculation in Appendix A assumes a vapour pressure of 0.1 kPa, and leads to a maximum instantaneous emission rate of 0.18 g/s over the 10 minute period when the truck is depressurized. If this were time averaged to 30 minutes, the averaged emission rate would be 0.06 g/s. The Scorer-Barrett equation is used to demonstrate that the emissions are negligible. Sodium hypochlorite does not have known vapour pressures and the emissions can not be estimated.

Assessment of Date Quality

The emission rates have been estimated using an engineering calculation. Time averaging over an 8 hr shift has been performed. The maximum production rates have been used, and as such, the emission rates are a maximum case. The results are compared with the 24 hour POI values, as each are working day averages. This date quality should be considered as "Above Average".

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Source Summary and Site Plan

Kencro Chemicals Ltd. owns the building located at 2192 Wyecroft Road, Oakville, Ontario. The site survey is attached.

The site is Part 1 of the two part site, and borders on Wyecroft Road. The site is a parallelogram, with the building wall parallel to the long side. The front and back of the building are not parallel to the property lines on the other 2 sides.

For the purposes of this assessment, the x-axis is parallel to the long side of the building, and the origin is the north east corner.

The original is the northern corner of the property, which borders on Wyecroft Road Drive. The y-axis extends down from that corner. The coordinates of the property are:

Corner 1: (0, 0) m
Corner 2: (125.7, 0) m
Corner 3: (133.2, 60.0) m
Corner 4: (7.6, 60.0) m

The storage building is rectangular, with length of 60.9 m, and a width of 36.6 m. The four corners of the facility are:

Corner 1: (29.2, 19.5) m
Corner 2: (90.0, 19.5) m
Corner 3: (90.0, 56.1) m
Corner 4: (29.2, 56.1) m

The front/office space is a smaller rectangle

Corner 5: (20.8, 50.0) m
Corner 6: (20.8, 25.6) m

The roof is peaked with a height of 20' (6.10 m) above grade at the walls, and a centre height of 24' 7.32 m.

Dispersion Modeling

The emissions were modeled using Screen3, as a point source with building downwash. The receptors are ground level – there are only factories nearby, and the ground is flat.

For HCl, the emission rate was estimated as the maximum 8 hour time average. This gives a maximum POI concentration of 7.0 $\mu\text{g}/\text{m}^3$ (24 hr). This is an over estimate as it assumes that chemical is filled continuously during the day. In addition, the maxima only occur on days when chemical is delivered.

It is noted that HCl has the lowest POI standard of 20 $\mu\text{g}/\text{m}^3$, and the calculation demonstrates that the site is beneath the POI concentration. The ratio has been used as a Dispersion Factor for all other species.

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The Dispersion Modeling Summary Table is shown below. The input/output files are appended.

Relevant Section of the Regulation	Section Title	Description of How the Approved Dispersion Model was Used
Section 8	Negligible Sources	2 significant sources, 2 negligible sources
Section 9	Same Structure Contamination	Not applicable – single user in the owned building
Section 10	Operating Conditions	Maximum operating rates at room temperature have been used
Section 11	Source of Contaminant Emission Rates	The emission rate calculations are explained above, and are maximum cases
Section 12	Combined Effect of Assumptions for Operating Conditions and Emission Rates	These are conservative assumptions and will result in an overestimate of the POI concentrations
Section 13	Meteorological Conditions	Not applicable
Section 14	Area of Modelling Coverage	Not applicable
Section 15	Stack Height for Certain New Source of Contaminant	Not applicable
Section 16	Terrain Data	Not applicable
Section 17	Averaging Period	Two averaging periods have been calculated, with the maximum case used for dispersion modeling.

Noise Assessment

The Kencro Chemicals facility operates a 1 shift (day) operation in an urban environment. The minimum separation distance is 300 m.

The land use planning drawing (QEW West Employment District) from the Town of Oakville is attached. The facility is an area that is zoned heavy industrial. The CN rail line runs on the south side of the building, with GO Trains, VIA trains and freight trains operating around the clock. Wycroft Road is just south of the Queen Elizabeth Highway.

The drawing is a scale drawing, but the scale is not indicated. Wycroft Road is 1.9 km long, between Third Line and Bronte Road. The Kencro facility is shown, immediately to the west of the GO – Bronte parking lot. The nearest receptor is 600 m south of the facility, and is residential. Immediately north of the QEW is a golf course.

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Emission Summary Table and Conclusions

This report provides the technical data in support of the application for a Certificate of Approval (Air) for Kencro Chemicals. Contained in the report are the following:

Completed Emission Summary and Dispersion Modeling Checklist

Facility description

Identification of Sources and Contaminants

Assessment of the Contaminants

Operating conditions and emission estimating

Source Summary Table and Site plan

Dispersion modeling output

This report and the attachments demonstrate that the Kencro Chemicals facility meets all of the requirements for a revision to the Certificate of Approval (Air).

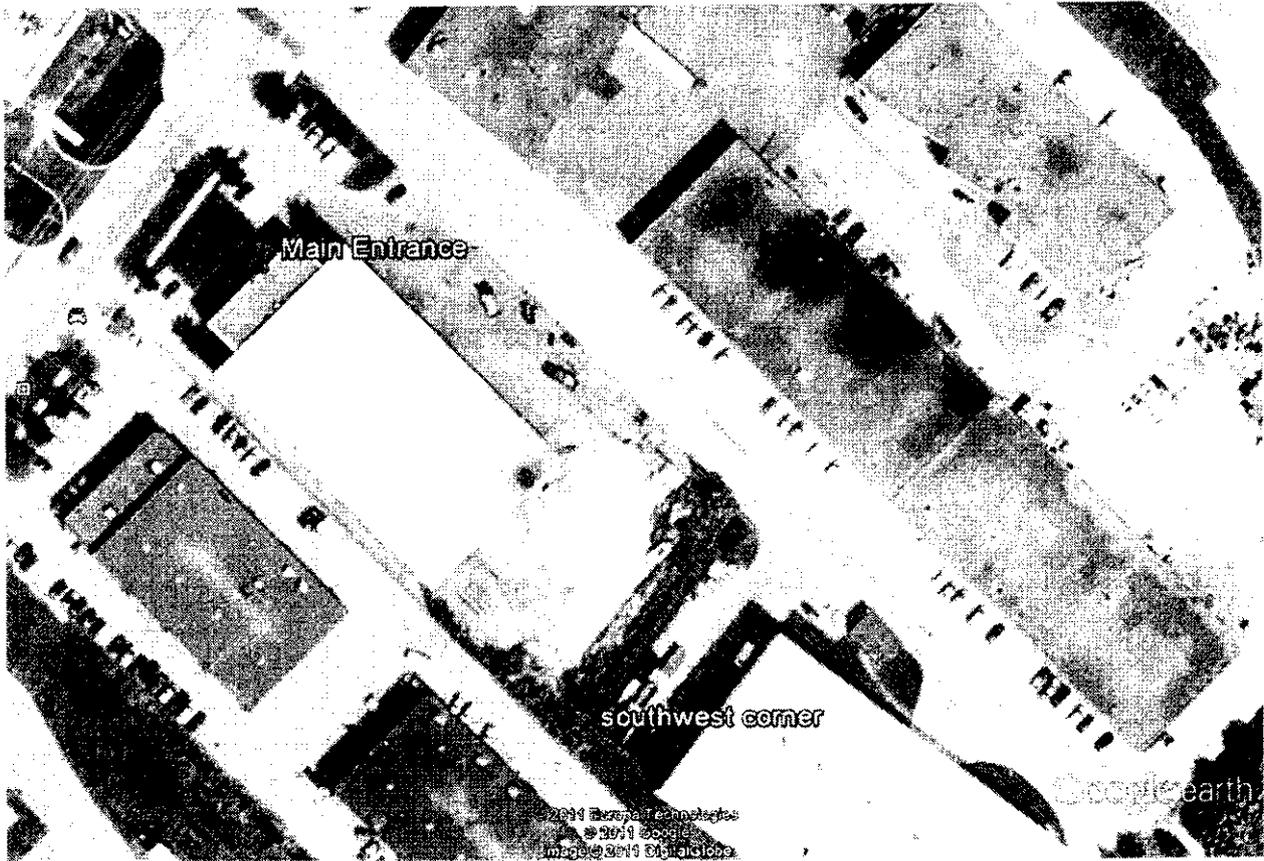
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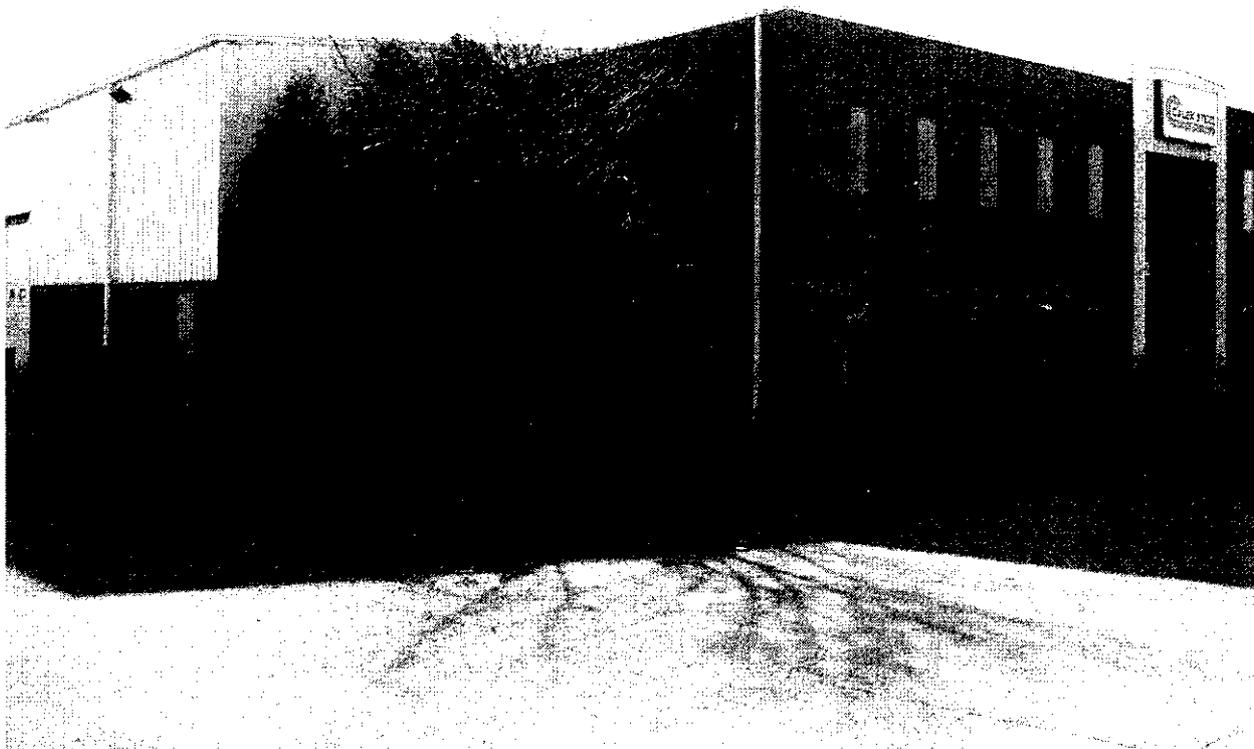
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Photographs of the Site



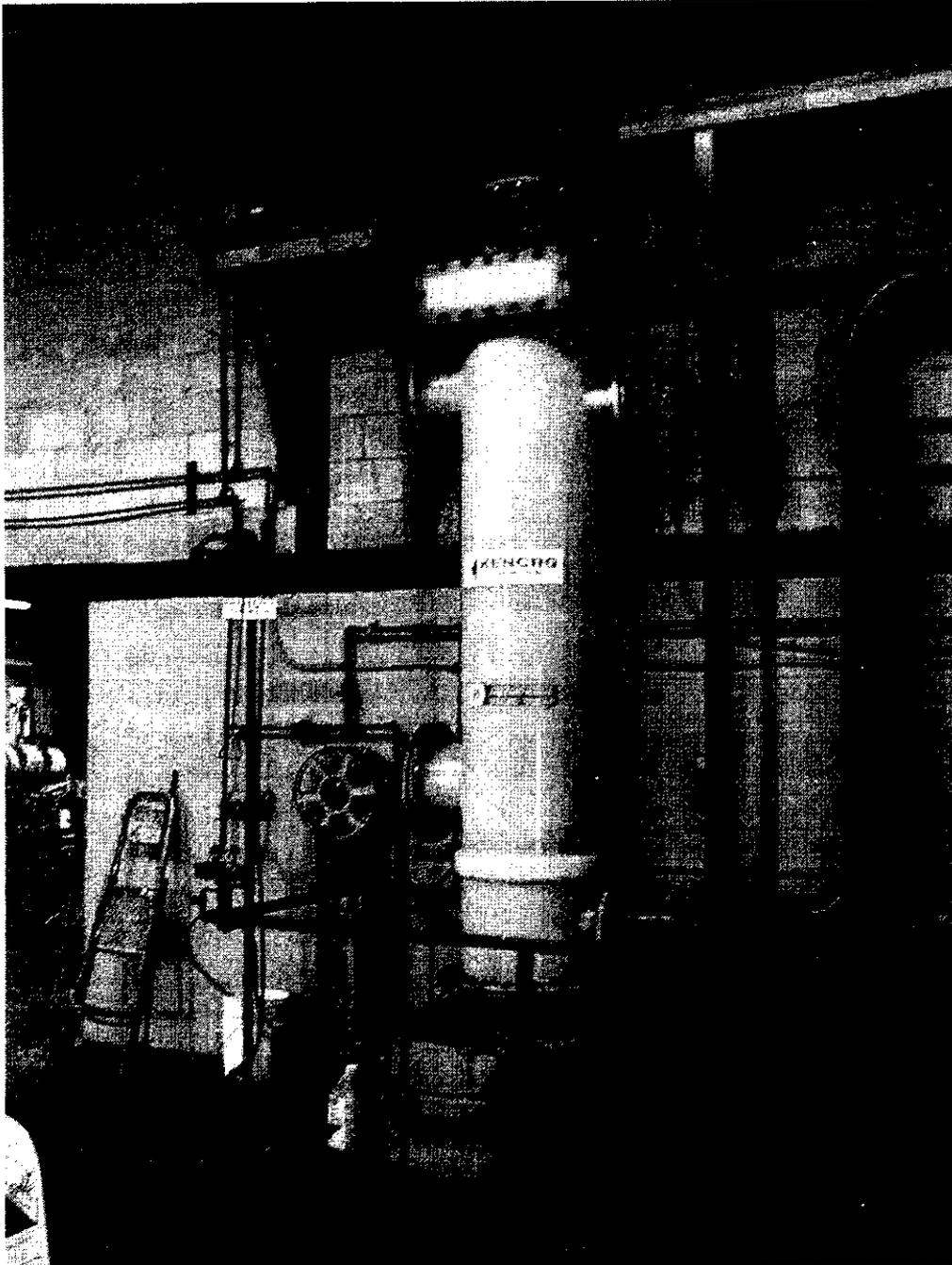
Photograph 1: Google Earth Image of 2192 Wycroft Road, Oakville, Ontario

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Photograph 2: Street level image of front of site; east side seen at left.

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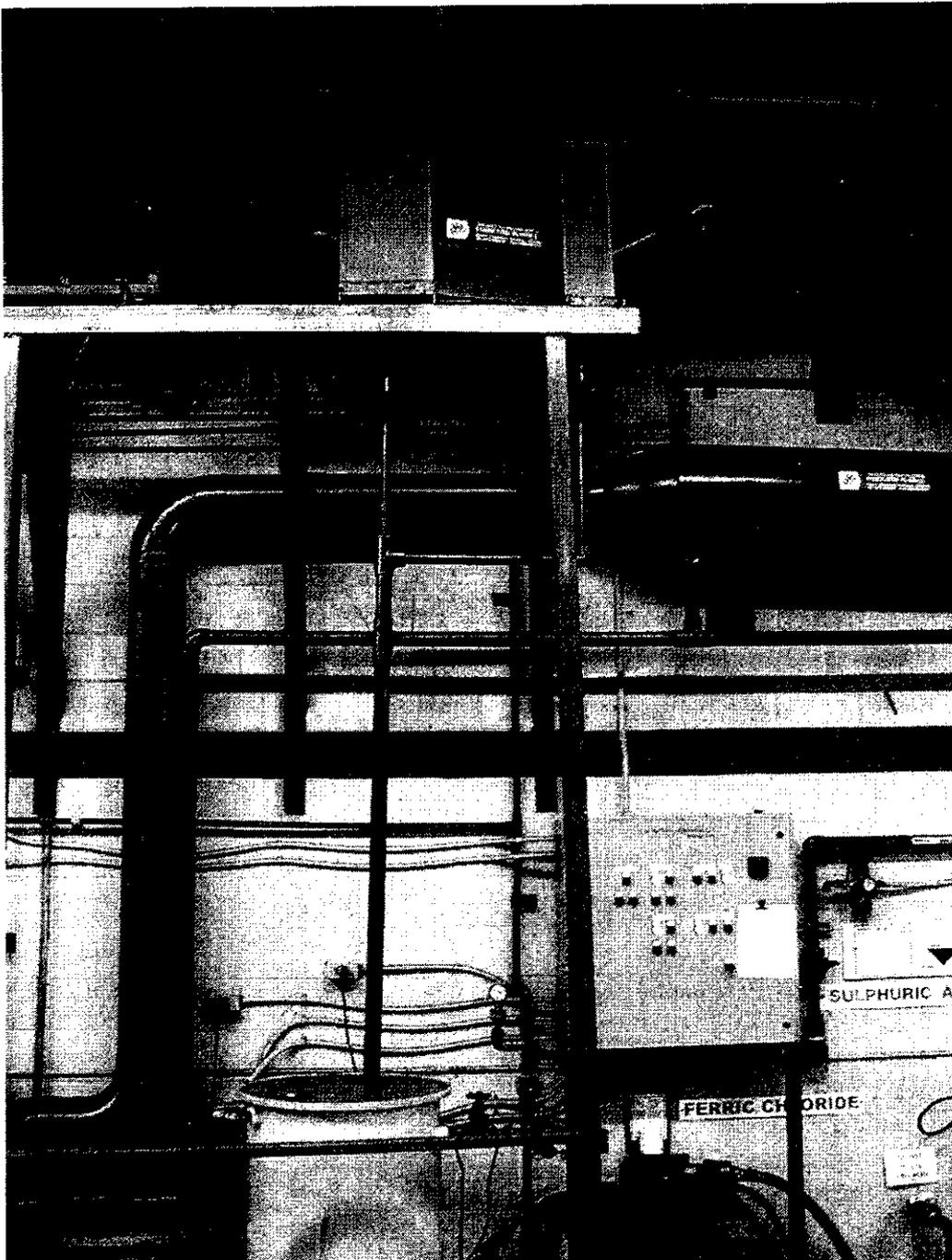
Photograph 3: Caustic Soda Scrubber for HCl Fumes (Source #2)

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Photograph 4: Horizontal Scrubber (Source #3)

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Appendix A: Sample Calculations

The emissions are calculated using the ideal gas law, $PV=nRT$. Consequently, the mass of chemical X exiting the storage tank is calculated as

$$\text{mass X exiting} = MW_X * P_X * V_{\text{air}}/RT,$$

where MW_X is the molecular weight of chemical X, P_X is the vapour pressure of chemical X at temperature T (K), V_{air} is the volumetric flowrate of air (L/s), and R is the ideal gas constant (8.314 kPaL/molK).

The gas exiting the storage tank enters a scrubber; the efficiency of the scrubber has been provided by Fabricated Plastics. The emission rate of chemical X is given by

$$\text{emission of X} = [(100-\% \text{ scrubber efficiency})/100] * \text{mass X exiting},$$

or finally,

$$\text{emission of X} = [(100-\% \text{ scrubber efficiency})/100] * MW_X * P_X * V_{\text{air}}/RT.$$

Hydrochloric Acid

The HCl scrubber is guaranteed at 98% efficiency; the molecular weight of HCl is 36.45 g/gmol; the vapour pressure of HCl over 32% HCl solution is 32.5 mm Hg (4.33 kPa) at 298 K.

Case 1

During truck unloading, 4300 lgal of HCl solution are transferred in 80 minutes. The average rate of liquid transfer is 53.75 lgal/min, which is 4.07 L/s. The volume of air leaving the storage tank must equal the volume of liquid entering.

$$\text{Thus, emission of HCl} = [(100-98)/100] * 36.45 * 4.33 * 4.07/(8.314 * 298) = 5.18 \text{ mg/s}$$

Case 2

The HCl is transferred using an air pad system. At the end of liquid transfer, the 22 m³ truck is pressurized to psig (170 kPa). This air is depressurized into the storage tank over a 10 minute period. Thus, the volumetric flowrate of air exiting the storage is given by $22,000 \text{ L} * (170 \text{ kPa}/101 \text{ kPa})/(10 \text{ minutes} * 60 \text{ s/min}) = 61.7 \text{ L/s}$.

$$\text{Thus, emission of HCl} = [(100-98)/100] * 36.45 * 4.33 * 61.7/(8.314 * 298) = 79 \text{ mg/s}$$

Case 3

The totes and drums are filled by gravity. The maximum fill rate is 1000 L in 20 minutes, giving a vent rate of 0.83 L/s.

$$\text{Thus, emission of HCl} = [(100-98)/100] * 36.45 * 4.33 * 0.83/(8.314 * 298) = 1 \text{ mg/s}$$

The maximum average emission rate is during the truck unloading operation. When this occurs, the emission rate is $(80 * 5.18 + 10 * 79)/90 = 13.4 \text{ mg/s}$. The maximum 8 hr average rate is $(1.5 * 13.4 + 6.5 * 1)/8 = 3.3 \text{ mg/s}$.

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Acetic Acid

Acetic acid is pumped from the truck at a rate of 13 Igal/min (0.98 L/s). Air padding is not used. Thus, the emission of acetic acid = $[(100-99)/100] * 60.05 * 2.77 * 0.98 / (8.314 * 298) = 0.66 \text{ mg/s}$

Nitric Acid

The nitric acid is delivered as an 1850 Igal load in a 2000 Igal truck. The truck is air padded to 10 psig (170 kPa), and depressurized in 5 minutes, giving an average air flowrate of 50.9 L/s ($2000 \text{ Igal} * 4.54 \text{ L/Igal} * (170 \text{ kPa}/101 \text{ kPa}) / (10 \text{ min} * 60 \text{ s/min})$).

Thus, the emission of nitric acid = $[(100-99)/100] * 63.02 * 0.31 * 50.9 / (8.314 * 298) = 4 \text{ mg/s}$

The emission rate during the liquid transfer is based on a liquid flowrate of 2.5 L/s.

Thus, the emission of nitric acid = $[(100-99)/100] * 63.02 * 0.31 * 2.5 / (8.314 * 298) = 0.2 \text{ mg/s}$

The 8 hour average emission rate is based on 5 minutes of 4 mg/s and 475 minutes of 0.2 mg/s, giving 0.25 mg/s.

Citric Acid and Urea

The MOE limit for citric acid is $100 \mu\text{g}/\text{m}^3$ (Particulate – 30 minute guideline).

The emission threshold is calculated as

$$\text{Threshold (g/s)} = 0.5 * \text{MOE Limit } (\mu\text{g}/\text{m}^3) / \text{Dispersion Factor}$$

The dispersion factor for 20 m distance is $8700 \mu\text{g}/\text{m}^3$ per g/s. For citric acid, the value is 5.7 mg/s (345 mg/min).

A 1000 L tote of 50% citric acid solution is prepared by adding 550 kg of citric acid to 550 kg of water. The powder is delivered in 50 kg bags, which are opened and added to the top of the tote. The material behaves similar to coarse flour; a loss of 1% of fines can be expected. The air is taken into the water wash scrubber, and most of the citric acid will dissolve into water. The scrubber has water sprays, with a chevron design demister. The chevrons are always wetted; the solid particles will impact the walls when the air direction changes. The demister removes 99% of visible particles.

The emission rate for citric acid can be estimated as:

$$\text{Emission rate (mg/s)} = 0.001 * 0.01 * \frac{50 * 10^6 \text{ mg}}{120 \text{ s}} = 4 \text{ mg/s}$$

This is the maximum instantaneous rate which occurs when the bag is emptied. Once the powder has been added, the employee disposes of the empty bag, and then starts to pour a 2nd bag. The averaged

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emission rate over the operation will be less than half of that calculated above, and the emission rate is at a de minimus level.

This same approach can be followed for sodium metabisulfite and urea emissions.

Sodium Bisulfite Solution

A 1000 L drum is filled in 10 minutes, with the release of vapour saturated with SO₂. The ideal gas law is used to estimate the emission rate.

$$Emission (g/s) = MW * \frac{P * V}{R * T} = 64.06 * \frac{3.7 \text{ kPa} * 1.67 \text{ L/s}}{8.314 * 298 \text{ K}} = 0.16 \text{ g/s}$$

The dispersion factor for 20 m distance is 8700 µg/m³ per g/s. The MOE limit for SO₂ is 830 µg/m³, giving a threshold of 48 mg/s.

The dissolution and packaging is performed under the ventilation scrubber described above; SO₂ dissolves readily in alkaline water solutions, as do all acid fumes. The system provides removal efficiencies of 99%. It is evident that SO₂ releases are de minimus.

Sodium Hypochlorite

The solution density is 1.198, and 48,000 lb of solution are unloaded in 90 minutes using air padding. The liquid transfer rate is given by

$$volume \text{ rate (L/s)} = \frac{mass (lb)}{2.2 (lb/kg) * (time) * \rho (kg/L)} = \frac{48,000}{2.2 * (90 * 60) * 1.198} = 4 \text{ L/s}$$

At the end of the run, the truck volume depressurizes over 10 minutes (recall the volume is at 10 – 15 psig), and the rate is given by

$$volume \text{ rate (L/s)} = \frac{STP \text{ volume (L)}}{time} = \frac{2 * 20,000}{(10 * 60)} = 67 \text{ L/s}$$

The maximum 30 minute average emission rate is [(20 * 4) + (10 * 67)]/30 = 25 L/s.

The emissions are calculated using the ideal gas law, PV=nRT.

$$Emission \text{ rate (g/s)} = MW * \frac{P_v * V}{R * T}$$

where MW is the molecular weight, P_v is the vapour pressure at temperature T (293 K), V is the volumetric flowrate of air (25 L/s) and R is the ideal gas constant (8.314 kPaL/molK). The problem is that vapour species and pressure are unknown.

The vapor pressure of 12% trade sodium hypochlorite solution is 12.1 mm Hg (Sodium Hypochlorite Manual, Pamphlet 96, Edition 3, The Chlorine Institute, Arlington, VA, April 2006). The vapour pressure of water at 20°C is 17.5 mm Hg, and the hypochlorite solution vapour pressure is less than

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that of pure water. Pamphlet 96 notes that “this is a normal phenomenon caused when salts are dissolved in water. Hypochlorous acid and chlorine monoxide are believed to be the predominant chlorine species in the vapor phase above sodium hypochlorite solutions under normal conditions”.

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Appendix B: List of Chemicals and Supporting Information

B-1) Chemicals with MOE POI Limits

species	CAS #	Emission (mg/s)	POI ($\mu\text{g}/\text{m}^3$)	Limit ($\mu\text{g}/\text{m}^3$)	%	S#/G
Sodium Hydroxide	1310-73-2	0	0	10	0	G - Corrosion (24 hr)
Potassium hydroxide	1310-58-3	0	0	14	0	G - Corrosion (24 hr)
Sulfuric Acid	7664-93-9	0	0	5	0	3 - Health (24 hr)
Hydrogen Chloride	7647-01-0	0.0033	7.2	20	36	3 - Health (24 hr)
Nitric Acid	7697-37-2	0.00025	0.5	35	1.4	3 - Corrosion (24 hr)
Acetic Acid	64-19-7	0.00066	1.4	2500	<1%	3 - Health (24 hr)
CITRIC ACID	77-92-9	0.004	8.7	100	8.7	G - Particulate
Chromic Acid	7440-47-3	0	0	5	0	G - Health
Sodium Chlorite	7758-19-2	0	0	100	0	G - Particulate
Sodium Bisulfite	7631-90-5	0	0	60	0	G - Health
Sulfur Dioxide	7446-09-5	De minimum	De minimum	830		2 - Health
Propylene Glycol	57-55-6	De minimum	De minimum	100		G - Particulate
Calcium Hydroxide	1305-62-0	0	0	20	0	G - Corrosion
Hydrogen Peroxide	7722-84-1	De minimum	0	686	0	G - Health (1 hr)
Phosphoric acid	7664-38-2	De minimum	0	7	0	3 - Health

B-2) Chemicals without MOE POI Limits

#	Contaminant	CAS #	Max ½ hr emission rate (g/s)	Emission Type (C/I)	Predicted Max ½ hr average POI (µg/m³)	MSDS Attached (Y/N)	Additional Information attached (Y/N)	Office Use Only
1	Sodium hypochlorite	7681-52-9	De minimus	I	De minimus	Y	N	
2	Sodium Bicarbonate	144-55-8	0	I	0	Y	N	
3	Sodium Carbonate	497-19-8	0	I	0	Y	N	
4	Sodium Persulfate	7775-27-1	0	I	0	Y	N	
5	Calcium Chloride	10043-52-4	0	I	0	Y	N	
6	Sodium Metabisulfite	7681-57-4	0	I	0	Y	N	
7	Urea	000-057-136	0	I	0	Y	N	
8	Ferric Chloride	7705-08-0	0	I	0	Y	N	

Appendix C: Dispersion Modelling Output

11/21/11
20:35:22

*** SCREEN3 MODEL RUN ***
*** VERSION DATED 96043 ***

C:\Graeme\Consulting\Kencro\CofA\kencroHCl.scr

SIMPLE TERRAIN INPUTS:

```

SOURCE TYPE           =           POINT
EMISSION RATE (G/S)   =           0.330000E-02
STACK HEIGHT (M)      =           9.1000
STK INSIDE DIAM (M)   =           0.2500
STK EXIT VELOCITY (M/S)=           9.2800
STK GAS EXIT TEMP (K) =           293.0000
AMBIENT AIR TEMP (K)  =           293.0000
RECEPTOR HEIGHT (M) =           0.0000
URBAN/RURAL OPTION    =           URBAN
BUILDING HEIGHT (M)   =           9.1000
MIN HORIZ BLDG DIM (M) =           36.6000
MAX HORIZ BLDG DIM (M) =           60.9000
    
```

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX = 0.000 M**4/S**3; MOM. FLUX = 1.346 M**4/S**2.

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
1.	0.000	0	0.0	0.0	0.0	0.00	0.00	0.00	NA
100.	5.073	5	1.0	1.0	10000.0	10.26	10.79	7.46	SS
200.	2.707	5	1.0	1.0	10000.0	10.26	21.17	14.03	SS
300.	1.481	5	1.0	1.0	10000.0	10.26	31.18	19.93	SS
400.	0.9362	5	1.0	1.0	10000.0	10.26	40.85	25.30	SS

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
28. 7.036 5 1.5 1.5 10000.0 9.36 3.17 4.83 SS

DWASH= MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

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*** SCREEN DISCRETE DISTANCES ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
10.	0.000	0	0.0	0.0	0.0	0.00	0.00	0.00	NA
20.	0.000	0	0.0	0.0	0.0	0.00	0.00	0.00	NA
30.	7.135	3	1.0	1.0	320.0	9.75	6.56	6.00	SS
40.	7.161	3	1.0	1.0	320.0	9.75	8.73	8.00	SS
50.	6.420	4	1.0	1.0	320.0	10.26	7.92	6.95	SS
60.	6.227	4	1.0	1.0	320.0	10.26	9.49	8.33	SS
80.	4.903	4	1.0	1.0	320.0	10.26	12.60	11.07	SS
90.	5.051	5	1.0	1.0	10000.0	10.26	9.73	6.76	SS

DWASH= MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

 *** REGULATORY (Default) ***
 PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
 (BRODE, 1988)

*** CAVITY CALCULATION - 1 ***	*** CAVITY CALCULATION - 2 ***
CONC (UG/M**3) = 0.5815	CONC (UG/M**3) = 0.8770
CRIT WS @10M (M/S) = 13.65	CRIT WS @10M (M/S) = 15.06
CRIT WS @ HS (M/S) = 13.65	CRIT WS @ HS (M/S) = 15.06
DILUTION WS (M/S) = 6.83	DILUTION WS (M/S) = 7.53
CAVITY HT (M) = 9.18	CAVITY HT (M) = 9.10
CAVITY LENGTH (M) = 39.87	CAVITY LENGTH (M) = 31.94
ALONGWIND DIM (M) = 36.60	ALONGWIND DIM (M) = 60.90

 END OF CAVITY CALCULATIONS

 *** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	7.161	40.	0.
BLDG. CAVITY-1	0.5815	40.	-- (DIST = CAVITY LENGTH)

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SOURCE SUMMARY TABLE

Contaminant	CAS#	Source Data				Emission Data							Data Quality	% of Total Emissions
		ID	Description	Volumetric Flowrate (m ³ /s)	Exit Temp (°C)	Inner Diameter (m)	Height Above Grade (m)	Height Above Roof (m)	Coordinates (x, y)	Emission Rate (g/s)	Averaging Period (hr)	Estimation Technique		
H ₂ SO ₄	7664-93-9	1	H ₂ SO ₄ vent	.051	25	0.076	6.85	0.15	62.6, 23.8	0	None	E.C.	V.G.	0.0%
HCl	7647-0-0	2	HCl Scrubber	.047	25	0.25	9.1	2.7	75.4, 26.2	0.0033	8 hr	E.C.	V.G.	99%
FeCl ₃	7705-08-0	3	FeCl ₃ vent	.051	25	0.076	9.1	2.7	76.2, 27.7	0	None	E.C.	V.G.	0.0%
Acetic Acid	64-19-7	3	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	76.2	0.00066	8 hr	E.C.	V.G.	<1%
Nitric Acid	7697-37-2	3	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	76.2	.008	8 hr	E.C.	V.G.	<1%
Citric Acid	77-92-9	3	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	76.2	0.004	8 hr	E.C.	V.G.	<1%
Sulfur Dioxide	7446-09-5	3	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	76.2	De minimus	8 hr	E.C.	V.G.	<1%
Propylene Glycol	57-55-6	3	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	76.2	De minimus	8 hr	E.C.	V.G.	<1%
Sodium hypochlorite	7681-52-9	4	Sodium Hypochlorite Vent	0.05	25	0.10	6.85	0.15	52.2, 24.7	De minimus	None	E.C.	V.G.	<1%

GWN Chemical Consulting, Inc.

2009 Grenville Drive; Oakville, Ontario, L6H 3Z3; 905.466.2940; fax 416-978-8605
 E-mail: graeme.norval@sympatico.ca www3.sympatico.ca/graeme.norval/

EMISSION SUMMARY TABLE

Contaminant	CAS#	Total Facility Emission Rate (g/s)	Air Dispersion Model Used	Maximum POI Concentration ($\mu\text{g}/\text{m}^3$)	Averaging Period (hrs)	MOE POI Limit ($\mu\text{g}/\text{m}^3$)	Limiting Effect	Regulation Schedule #	% of MOE POI Limit
Hydrochloric Acid ¹	7647-01-0	0.0033	Screen3	7.2	30 minute	20	health	419 S3	36%
Acetic Acid	64-19-7	0.00066	Screen3	1.4	30 minute	2500	odour	419 S2	<1%
Nitric Acid ²	7697-37-2	0.00025	Screen3	0.5	30 minute	35	corrosion	419 S3	1.4%
Citric Acid	77-92-9	0.004	Screen3	8.7	30 minute	100	particulate	419 - Guideline	8.7%

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**SUPPORTING INFORMATION FOR A MAXIMUM
GROUND LEVEL CONCENTRATION ACCEPTABILITY REQUEST
FOR COMPOUNDS WITH NO MINISTRY POI LIMIT
SUPPLEMENT TO APPLICATION FOR APPROVAL, EPA S.9**

This form "Contaminants with no Ministry POI Limits Summary Table" is to be completed by applicants when a contaminant with no Ministry POI Limit is identified as part of an Emission Summary and Dispersion Modelling (ESDM) Report. Environmental Assessment and Approval Branch (EAAB) staff will forward the completed Table as part of a Maximum Ground Level Concentration (GLC) Acceptability Request to the Standards Development Branch (SDB). For further information on the Maximum GLC Acceptability Request process please see the Guide to Applying for Approval (Air and Noise) dated November, 2005.

An application for a Certificate of Approval will not be recommended for approval until SDB indicates that the concentration at POI proposed in the application is acceptable and is not likely to cause an adverse effect. The EAAB requires that the applicant complete the form.

INSTRUCTIONS

Applicants must complete the Table as applicable and attach the required supporting information as outlined below. The source for the majority of this information will be the ESDM Report or in the Application Form. Applicants are required to reproduce this information as part of the Maximum GLC Acceptability Request process and attach the information to the form so that the Table and supporting information can be forwarded to SDB. References to the ESDM Report or Application Form are not acceptable.

Applicants are requested to include at least one copy of the Table and supporting information in an unbound section of the application to ease EAAB's forwarding of the request to SDB.

1. Completing Contaminants with no Ministry POI Limits Summary Table

The following information must be included on the Contaminants with no Ministry POI Limits Summary Table:

- The chemical name for each contaminant with no Ministry POI Limit identified in the ESDM Report. Standard nomenclature should be provided and the use of abbreviations or trade names should be minimized.
- The CAS number for each contaminant identified. The Chemical Abstracts Services (CAS) number is a unique identifier for a chemical. The following websites may provide a convenient way to obtain specific CAS numbers:
 - <http://www.chemfinder.com>
 - <http://webbook.nist.gov/chemistry> - Scroll down to Search Options
 - <http://www.toxnet.nlm.nih.gov> - Click on ChemIDplus

Veillez noter que ce document n'est disponible qu'en anglais

The Maximum half-hour aggregate emission rate, expressed in grams per second, for each contaminant identified. The emission rate must consider all sources for the contaminant from the facility and be calculated using the Maximum Emission Rate Scenario provided in the ESDM Report.

The nature of the emission for each contaminant identified whether the emission is continuous or intermittent. Continuous emissions are defined as processes that have little variability over a shift or 24 hour period such as painting lines or continuous process reactors. Conversely, intermittent process have significant variability in the operating schedule and resultant emission rates such as paint spray booths that require significant step time or batch reactors.

The predicted maximum half hour POI concentration, expressed in micrograms per cubic metre ($\mu\text{g}/\text{m}^3$) for each contaminant identified. This includes a POI concentration calculated using the models specified in O. Reg. 419/05.

2. Supporting Information

Information should be attached to the Form to provide additional information on the contaminants with no Ministry POI Limits and the facility as described below:

Information that was used to identify the contaminant at the facility. This information may include but not be limited to:

- a copy of the Material Safety Data Sheet (MSDS) from the product identifying the contaminant(s) (if available);
- the Emission Factor used, with proper references, to calculate the emission rate for the contaminant(s);
- Source Assessment Testing results indicating the presence of the contaminant(s);
- print outs from chemical properties services or references such as <http://ccinfoweb.ccohs.ca/> or other sources;
- any other information used by the applicant to identify the contaminant(s).

Scaled Area Location Plan indicating the location of the facility, the facility property line, all buildings on the facility, all local roads and features of the neighbourhood for the area surrounding the facility. The Scaled Area Location Plan may be the same figure required by the Noise Screening Process (PIBS 4871) outlined in the Guide to Applying for Approval (Air and Noise) dated November, 2005.

Information on the main Process(es) that give rise and any control equipment used to reduce the emission of each contaminant identified and any information on the handling guidelines and/or Codes of Practice that are used to control the emission for each contaminant identified if applicable. Codes of Practice followed that are recommended by a business or government organization should be specifically referenced.

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du Règlement 411/97 qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en français, veuillez communiquer avec le Direction des évaluations et des autorisations environnementales au ministère de l'Environnement au 416-314-8001 (sans frais : 1-800-461-6290).

Contaminants with no MOE POI Limits Summary Table



Notes for Table:

- a) Proper Chemical Name should be given (Abbreviations, acronyms, numeric codes, trade names and mixtures NOT ACCEPTABLE).
- b) All chemicals associated with the same process/operation, should be grouped together.
- c) If complete specification of a mixture is not provided, the unspecified fraction will be assumed to be the most toxic compound, consistent with the available description.
- d) CAS Number : Chemical Abstracts Services Number (UNIQUE Identifier for a chemical)
- e) POI Concentration : Point of Impingement Concentration

***If more space is required, please attach a separate table**

Company Name Kencro Chemicals Ltd.	NAICS Code 325188
Site Name	
Site Address (applies to an address with civic numbering and street information) 2192 Wyecroft Road, L6L 6R1	Unit Identifier
Survey Address (used for rural location for a subdivided township, unsubdivided township or unsurveyed territory)	
Non Address information (includes any additional information to clarify the physical location of the site)	
Municipality / Unorganized Township Oakville	County / District Halton-Peel

Scaled Area Location Plan Attached

Contaminant ^(a,b,c)	CAS ^(d) Number	Total Facility Emission Rate (g/s)	Schedule	Air Dispersion Model Used	Maximum POI ^(e) Concentration (µg/m ³)	Averaging Period (hours)	MOE POI Limit (µg/m ³)	Limiting Effect	Percentage of MOE POI Limit
1	Sodium Hypochlorite 7681-52-9	< 0.001		Screen 3	< 5	none	N/A	none	N/A
2	Sodium Bicarbonate 144-55-8	< 0.001		Screen 3	< 5	none	N/A	none	N/A
3	Sodium Carbonate 497-19-8	< 0.001		Screen 3	< 5	none	N/A	none	N/A
4	Sodium Persulfate 7775-27-1	< 0.001	I	Screen 3	< 5	none	N/A	none	N/A
5	Calcium Chloride 10043-52-4	< 0.001		Screen 3	< 5	none	N/A	none	N/A
6	Sodium Metabisulfite 7681-57-4	< 0.001	I	Screen 3	< 5	none	N/A	none	N/A
7	Urea 57-13-6	< 0.001	I	Screen 3	< 5	none	N/A	none	N/A
8	Ferric Chloride 7705-08-0	< 0.001	I	Screen 3	< 5	none	N/A	none	N/A
9									
10									
11									
12									
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22		I							

RESPIRATORY TYPE: WEAR A NIOSH/OSHA APPROVED RESPIRATOR WITH A HIGHEST CARTRIDGE IF THERE IS POTENTIAL OF EXPOSURE TO MISTS IN EXCESS OF APPLICABLE LIMITS.
EYEWEAR TYPE: WEAR SAFETY GLASSES WITH SIDE SHIELDS
FOOTWEAR TYPE: IMPERVIOUS BOOTS
CLOTHING TYPE: WHERE THERE IS POSSIBILITY OF SKIN CONTACT, WEAR APRON, GOGGLES, PANTS AND JACKET.

SECTION 5. PHYSICAL AND CHEMICAL PROPERTIES
PHYSICAL STATE: LIQUID
PH: SLIGHTLY ACID
ODOUR: APPEARANCE: ORANGE, BROWN TO RED
NAVA
BOILING POINT: 140°C (284°F)
MELTING/FREEZING POINT: -125°C (193°F) 40% SOLN
SOLUBILITY IN WATER: COMPLETE
DISTRIBUTION: N/A
VAPOUR DENSITY (AIR=1): 1.06 (AIR, NONE FOUND)
EVAPORATION RATE: NONE FOUND
VOLATILITY: 55 - 75 (WATER)
MOLECULAR WEIGHT: 162.2
MOLECULAR FORMULA: FeCl2

SECTION 6. STABILITY AND STABILITY DATA
STABILITY AND REACTIVITY: STABLE
CONDITIONS TO AVOID: REACT WITH METAL TO PRODUCE HYDROGEN CHLORIDE.
HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN CHLORIDE

SECTION 7. TOXICOLOGICAL INFORMATION
TOXICOLOGICAL DATA: NO SPECIFIC DATA
CARCINOGENIC STATUS: NOT LISTED AS CARCINOGENIC BY IARC, NTP, OSHA OR ACGIH
REPRODUCTIVE EFFECTS: N/A
TERATOGENICITY: N/A
MUTAGENICITY: N/A
SENSITIZATION TO MATERIAL: SEE ROUTE OF ENTRY, SKIN CONTACT.
SYNERGISTIC MATERIALS: N/A
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: EYE CORROSION WITH CORNEAL ULCERATION.
ADDITIONAL HEALTH HAZARDS: NONE KNOWN

SECTION 8. ECOLOGICAL INFORMATION
ENVIRONMENTAL EFFECTS: THIS PRODUCT SHOULD NOT BE ALLOWED TO ENTER DRAINS OR WATER COURSES, OR BE DEPOSITED WHERE IT CAN AFFECT GROUND OR SURFACE WATERS.
IMPORTANT ENVIRONMENTAL CHARACTERISTICS: NO INFORMATION AVAILABLE.
ECOTOXICOLOGICAL: TOXIC EFFECTS IN ANIMALS FROM REPEATED EXPOSURE BY INGESTION INCLUDE REDUCED WEIGHT GAIN, ELEVATED SERUM IRON LEVELS, LESIONS IN LIVER, LUNG AND CELL COUNTS AND IRRITATION IN HORN REGIONS. REPRODUCTION, SURVIVAL AND MAMMALIAN CELL CULTURES DEMONSTRATES NO GENETIC DAMAGE.

SECTION 9. DISPOSAL CONSIDERATIONS
HANDLING FOR DISPOSAL: SEE SECTION 7 - HANDLING AND STORAGE FOR FURTHER DETAILS
METHOD OF DISPOSAL: DISPOSE IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL HAZARDOUS WASTE LAWS

SECTION 10. TRANSPORTATION INFORMATION
PROPER SHIPPING NAME: FERRIC CHLORIDE SOLUTION
CLASSIFICATION: CLASS 8, CORROSIVE UN2582, PACKING GROUP III
TDG CLASSIFICATION:

SECTION 11. REGULATORY INFORMATION
WHMIS CLASSIFICATION: B

SECTION 12. OTHER INFORMATION
LEGEND:
ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS# : CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
LC: LETHAL CONCENTRATION
LD: LETHAL DOSE
OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
N/A: NOT AVAILABLE
NIOSH: NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NTP: NATIONAL TOXICOLOGICAL PROGRAM
TDG: TRANSPORTATION OF DANGEROUS GOODS ACT/REGULATIONS
THL: THRESHOLD LIMIT VALUE
WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

PREPARED BY: KENRO CHEMICALS LIMITED
TEL: 905-877-4133
FAX: 905-877-4145
MSDS PREPARATION DATE: (DDMMYYYY)
01/06/2011

DISCLAIMER OF LIABILITY
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winwordmsds\ferrocchloride211



CALCIUM CHLORIDE FLAKE

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIER: CALCIUM CHLORIDE FLAKE
PRODUCT USE: CONCRETE ACHIEVATION, DRY LIND FLUID ADDITIVE, DUST CONTROL, ICE MELTING, REFRIGERATION ROAD PASH STABILIZATION AND FULL DEPTH RECLAMATION, TIRE WEIGHITING, WATER TREATMENT (NON-POTABLE).

CHEMICAL FAMILY: INORGANIC SALT
SUPPLIER'S NAME AND ADDRESS: KENCRO CHEMICALS LIMITED
 2172 WYECROFT RD., UNIT #4
 OAKVILLE, ON
 L6L 5V6

24 HR. EMERGENCY NUMBER: 905-827-4133
 613-596-6606 (CANADIAN)

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	C.A.S. #	WT %	LC50	LD50	DERMAL RABBIT
CALCIUM CHLORIDE	10043-52-4	>83 - <87	N/A/V	918-1,668 mg/kg	>3,000 mg/kg
POTASSIUM CITRATE	7447-40-7	>1 - <3			
WATER	7732-18-5	>8 - <14			
SODIUM CITRATE	7637-14-5	>1 - <2			

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
 CAUSES EYE AND SKIN IRRITATION
 HARMFUL IF SWALLOWED.

SIGNS AND SYMPTOMS OF SHORT-TERM EXPOSURE:

BRIEF CONTACT IS ESSENTIALLY NONIRRITATING TO SKIN. PROLONGED CONTACT MAY CAUSE SKIN IRRITATION. EYEN A BURN. NOT CLASSIFIED AS CORROSIVE TO SKIN ACCORDING TO DOT GUIDELINES. MAY CAUSE MORE SEVERE RESPONSE ON COVERED SKIN (UNDER CLOTHING, GLOVES).

SKIN ABSORPTION: FOR SOLID. MAY CAUSE SLIGHT EYE IRRITATION. MECHANICAL IRRITATION ONLY.
EYE CONTACT: DUST FORMATION SHOULD BE AVOIDED, AS DUST CAN CAUSE SEVERE EYE IRRITATION WITH CORNEAL INJURY.
INHALATION: DUST MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT (NOSE AND THROAT).
INGESTION: LOW TOXICITY IF SWALLOWED. SMALL AMOUNTS SWALLOWED INCIDENTALLY AS A RESULT OF NORMAL HANDLING OPERATIONS ARE NOT LIKELY TO CAUSE INJURY. HOWEVER, SWALLOWING LARGER AMOUNTS MAY CAUSE INJURY. SWALLOWING MAY RESULT IN GASTROINTESTINAL IRRITATION OR ULCERATION. USE GOOD PERSONAL HYGIENE. DO NOT CONSUME OR STORE FOOD IN THE WORK AREA. WASH HANDS BEFORE SMOKING OR EATING.

SECTION 4: FIRST AID MEASURES

GENERAL: IF POTENTIAL FOR EXPOSURE EXISTS REFER TO SECTION 8 FOR SPECIFIED PERSONAL PROTECTIVE EQUIPMENT.
INHALATION: MOVE PERSON TO FRESH AIR. IF EFFECTS OCCUR, CONSULT A PHYSICIAN.

SKIN CONTACT: WASH OFF IMMEDIATELY WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING IMMEDIATELY. FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. IF EFFECTS OCCUR, CONSULT A PHYSICIAN. PREFERABLY AN OPHTHALMOLOGIST. MAY CAUSE IRRITY DUE TO IRRITATION.
INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE ONE CUP (8 OUNCES OR 240ml) OF WATER OR MILK AND TRANSPORT TO A MEDICAL FACILITY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR COMATOSE PERSON.

NOTES TO PHYSICIAN: DUE TO IRRITANT PROPERTIES, SWALLOWING MAY RESULT IN IRRITATION OF THE MOUTH, STOMACH AND LOWER GASTROINTESTINAL TRACT WITH SUBSEQUENT STRUCTURE. ASPIRATION OF VOMITUS MAY CAUSE LUNG INJURY. SUGGEST ENDOTRACHEAL ASPIRATION. CONTROL IF LAVAGE IS DONE. IF BURN IS PRESENT, TREAT AS ANY THERMAL BURN. AFTER RECONTAMINATION, NO SPECIFIC ANTIDOTE. TREATMENT OF EXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

SECTION 5: FIRE FIGHTING MEASURES

FIRE HAZARDS/CONDITION OF FLAMMABILITY: THIS MATERIAL DOES NOT BURN.
FLASH POINT: N/A/P
LOWER FLAMMABLE LIMIT: N/A/P
(% BY VOL)
SUITABLE EXTINGUISHING MEDIA: USE EXTINGUISHING AGENTS APPROPRIATE FOR SURROUNDING FIRE. FOR FIRES INVOLVING THIS PRODUCT, USE FOAM, CARBON DIOXIDE, FOAM OR CHEMICAL. MAY BE USED. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZARD AREA AND DENY ENTRY. THIS MATERIAL DOES NOT BURN. FIGHT FIRE FOR OTHER MATERIAL THAT IS BURNING. WATER SHOULD BE APPLIED IN LARGE QUANTITIES AS FINE SPRAY. WEAR MOIST APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS OPERATED IN PRESSURE DEMAND MODE. WEAR PROTECTIVE FIRE-FIGHTING CLOTHING (INCLUDES FIRE FIGHTING HELMET, COAT, BOOTS, TROUSERS AND GLOVES). AVOID CONTACT WITH THIS MATERIAL DURING FIRE-FIGHTING OPERATIONS. IF CONTACT IS LIKELY, WEAR FULL CHEMICAL RESISTANT CLOTHING WITH SELF-CONTAINED BREATHING APPARATUS AND FIGHT FIRE FROM A REMOTE LOCATION. FOR PROTECTIVE EQUIPMENT IN HOT-FIRE OR NON-FIRE CLEAN-UP SITUATIONS, REFER TO THE RELEVANT SECTIONS.

HAZARDOUS COMBUSTION PRODUCTS: TOXIC FUMES OF CHLORIDE IYAN DECOMPOSITION (>77°C).

SECTION 6: ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE: SMALL AND LARGE SPILLS CONTAIN SPILLED MATERIAL. IF POSSIBLE, COLLECT IN SUITABLE AND PROPERLY LABELED CONTAINERS. FLUSH RESIDUE WITH PLENTY OF WATER. SEE SECTION 13, DISPOSAL CONSIDERATIONS, FOR ADDITIONAL INFORMATION.

PERSONAL PRECAUTIONS: IN HOT AREA, KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING THE AREA. USE APPROPRIATE SAFETY EQUIPMENT. FOR ADDITIONAL INFORMATION, REFER TO SECTION 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION. REFER TO SECTION 7, HANDLING FOR ADDITIONAL PRECAUTIONARY MEASURES.

ENVIRONMENTAL PRECAUTIONS: PREVENT FROM ENTERING INTO SOIL, DITCHES, SEWERS, WATERWAYS AND/OR GROUNDWATER. SEE SECTION 12, ECOLOGICAL INFORMATION.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES: HEAT DEVELOPED DURING DILUTING OR DISSOLVING IS VERY HIGH. USE COOL WATER WHEN DILUTING OR DISSOLVING (TEMPERATURE LESS THAN 80°F, 27°C). AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT SWALLOW. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER TIGHTLY CLOSED. SEE SECTION 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

STORAGE REQUIREMENTS: STORE IN A DRY PLACE. PROTECT FROM ATMOSPHERIC MOISTURE.
INCOMPATIBLE MATERIALS: HEATS GENERATED WHEN MIXED WITH WATER. SPATTERING AND BOILING CAN OCCUR. AVOID CONTACT WITH: SULFURIC ACID, CORROSIVE WHEN WET, FLAMMABLE HYDROGEN

MAY BE GENERATED FROM CONTACT WITH METALS SUCH AS ZINC. SODIUM. REACTION OF BROMIDE IMPURITY WITH OXIDIZING MATERIALS MAY GENERATE TRACE LEVELS OF IMPURITIES SUCH AS BROMATE

SECTION 7: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
INGREDIENTS	10 MG/M ³ (UNIONABLE)	N/A	10 MG/M ³ (TOTAL)	N/A
PARTICULATES NOT OTHERWISE REGULATED	1 MG/M ³ (RES)		10 MG/M ³ (TSP)	

SEE COMPOSITION INFORMATION ON INGREDIENTS, SECTION 2.

ENGINEERING CONTROLS

USE LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW EXPOSURE LIMIT REQUIREMENTS OR GUIDELINES. IF THERE ARE NO APPLICABLE EXPOSURE LIMIT REQUIREMENTS OR GUIDELINES, THE FOLLOWING OPERATIONAL CONTROLS SHOULD BE USED IN OPERATIONS. LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

GLOVES/TYPE:

USE GLOVES CHEMICALLY RESISTANT TO THIS MATERIAL. IF HANDS ARE CUT OR SCRATCHED, USE GLOVES CHEMICALLY RESISTANT TO THIS MATERIAL, EVEN FOR REPEATED EXPOSURES. EXAMPLES OF PREFERRED GLOVE BARRIER MATERIALS INCLUDE: NITRILE BUTADIENE RUBBER (NBR) OR "NBR"; NITRILE BUTADIENE RUBBER (NBR); NEOPRENE; POLYVINYL CHLORIDE (PVC) OR "VINYL".

RESPIRATORY TYPE:

RESPIRATORY PROTECTION SHOULD BE USED WHEN THERE IS A POTENTIAL TO EXCEED THE EXPOSURE LIMIT REQUIREMENTS OF GUIDELINES. IF THERE ARE NO APPLICABLE EXPOSURE LIMIT REQUIREMENTS OF GUIDELINES, RESPIRATORY PROTECTION SHOULD BE USED WHEN THERE IS A POTENTIAL TO EXCEED THE EXPOSURE LIMIT REQUIREMENTS OF GUIDELINES, OR WHERE INDICATED BY YOUR RISK ASSESSMENT PROCEDURE. IN DUSTY OR MISTY ATMOSPHERES, USE AN APPROVED PARTICULATE RESPIRATOR. HIGH EFFICIENCY SHOULD BE EFFECTIVE TYPES OF AIR-PURIFYING RESPIRATORS. HIGH EFFICIENCY PARTICULATE AIR (HEPA) 95+ A RESPIRATORY PROGRAM THAT MEETS 29 CFR 1910.134 MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT USE OF A RESPIRATOR.

EYE/TYPE:

WEAR SAFETY GLASSES WITH SIDE SHIELDS, FOR DUSTY OPERATIONS OR WHEN WEAR CONTACT LENSES OF THE MATERIAL, WEAR CHEMICAL GOGGLES.

FOOTWEAR/TYPE:

WEAR CLEAN BODY COVERING CLOTHING. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	FLAKES - SOLID	APPEARANCE:	WHITE OR OFF-WHITE
ODOR:	ODORLESS	BOILING POINT:	N/A
BULK DENSITY:	45-54 LB/FT ³ (ESTIMATED)	MELTING POINT:	N/A
SOLUBILITY IN WATER:	SLIGHTLY SOLUBLE	HYGROSCOPIC:	YES
VAPOUR DENSITY (AIR=1):	N/A		
MOLECULAR WEIGHT:	CsCl		
MOLECULAR FORMULA:	110.984		

SECTION 10: STABILITY AND REACTIVITY

STABILITY AND REACTIVITY: STABLE. HYGROSCOPIC. PROTECT FROM HUMIDITY CONDITIONS TO AVOID: NONE KNOWN. AVOID MOISTURE.

HAZARDOUS DECOMPOSITION PRODUCTS: DOES NOT DECOMPOSE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

INCOMPATIBLE MATERIALS: FLAME IS GENERATED WHEN MIXED WITH WATER. SPATTERING AND BOILING CAN OCCUR AVOID CONTACT WITH SULFURIC ACID. CORROSIVE WHEN WITH FLAMMABLE HYDROGEN MAY BE GENERATED FROM CONTACT WITH METALS SUCH AS ZINC. SODIUM. REACTION OF BROMIDE IMPURITY WITH OXIDIZING MATERIALS MAY GENERATE TRACE LEVELS OF IMPURITIES SUCH AS BROMATE.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: SEE SECTION 2, COMPOSITION INFORMATION ON INGREDIENTS. CARCINOGENIC STATUS: THIS PRODUCT IS NOT CLASSIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA. REPRODUCTIVE EFFECTS: FOR THE MAJOR COMPONENTS, DID NOT CAUSE BIRTH DEFECTS OR ANY OTHER FETAL EFFECTS IN LABORATORY ANIMALS.

TERATOGENICITY:

FOR CALCIUM CHLORIDE, IN VITRO GENETIC TOXICITY STUDIES WERE NEGATIVE. HOWEVER THE RELEVANCE OF THIS TO HUMANS IS UNKNOWN. FOR THE MINOR COMPONENT SODIUM CHLORIDE, IN VITRO GENETIC TOXICITY STUDIES WERE PREDOMINANTLY NEGATIVE.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL PRECAUTIONS: PREVENT FROM ENTERING INTO SOIL, DITCHES, SEWERS, WATERWAYS AND/OR GROUNDWATER.

ECOTOXICITY DATA:

AQUATIC TOXICITY: MATERIAL PRACTICALLY NON-TOXIC TO AQUATIC ORGANISMS ON AN ACUTE BASIS (LC50/SP50/PEL 500 LC50 > 100MG/L IN MOST SENSITIVE SPECIES TESTED). FRESHWATER FISH TOXICITY: FISH (LEUCOMYS MACROCHIRUS): 8,150 - 10,650 MG/L. PUFFER FISH (LATEOLA BARKER): 10,000 - 10,000 MG/L. PUFFER FISH (LATEOLA BARKER): 10,000 - 10,000 MG/L. SODIUM CHLORIDE: LC50, FATHEAD MINNOW (HEMIPHYSALIS PROMELAS): 10,010 MG/L. RIVER TROUT TOXICITY: RIVER TROUT (Oncorhynchus mykiss): 965, 4,216 MG/L. CALCIUM CHLORIDE: LC50, WATER FLEA (Daphnia magna): 259-3,095 MG/L. POTASSIUM CHLORIDE: LC50, WATER FLEA (Daphnia magna): 240, 11,000 MG/L. SODIUM CHLORIDE: LC50, WATER FLEA (Daphnia magna): 4,571 MG/L. MICROORGANISM TOXICITY: SODIUM CHLORIDE: IC50, OECD 209 TEST, ACTIVATED SLUDGE, RESPIRATION INHIBITION: > 1,000 MG/L.

FATE AND TRANSPORT:

BIODEGRADATION: BIODEGRADATION IS NOT APPLICABLE. BIODEGRADATION IS NOT AS EXPECTED BECAUSE OF THE RELATIVELY HIGH MOLECULAR WEIGHT. PERSISTENCE IN SOIL: POTENTIAL FOR MOBILITY IN SOIL IS VERY HIGH (KOC BETWEEN 0 AND 50). PARTITIONING FROM WATER TO N-OCTANOL IS NOT APPLICABLE.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL PRACTICE: ALL DISPOSAL PRACTICES MUST BE IN COMPLIANCE WITH ALL FEDERAL, PROVINCIAL AND LOCAL LAWS AND REGULATIONS. ALL DISPOSAL PRACTICES MUST BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, PROVINCIAL AND LOCAL LAWS AND REGULATIONS. THE RESPONSIBILITY FOR THE WASTE GENERATOR FOR UNUSED AND CONTAMINATED PRODUCT, THE PREFERRED OPTIONS INCLUDE: SENDING TO A LICENSED, PERMITTED LANDFILL.

PROPER SHIPPING NAME: CALCIUM CHLORIDE FLAKE

TDC CLASSIFICATION: NOT REGULATED

SECTION 3 - REGULATORY INFORMATION

WHMIS CLASSIFICATION: DIB (POISONOUS AND INFECTIOUS MATERIALS, TOXIC)

SECTION 4 - OTHER INFORMATION

LEGEND: AC/HH AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS# CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
IARC INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
LD LETHAL DOSE
LS LETHAL CONCENTRATION
MSHA MINE SAFETY AND HEALTH ADMINISTRATION
NIAP NOT APPLICABLE
NIOSH NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NTP NATIONAL TOXICOLOGICAL PROGRAM
OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL PERMISSIBLE EXPOSURE LIMIT
STEL SHORT TERM EXPOSURE LIMIT
TDG TRANSFORMATION OF DANGEROUS GOODS ACT REGULATIONS
TLV THRESHOLD LIMIT VALUE
TWA TIME WEIGHTED AVERAGE
WIMB WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

PREPARED BY:

KINCHRO CHEMICALS LIMITED
TEL: 905-877-1133
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MSDS PREPARATION DATE:

(DD/M/YYYY)
01/06/2011

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www.msds.ca/chem/ChlorideFluoride2011



SODA ASH DENSE

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIER: SODIUM CARBONATE
PRODUCT USE: REFER TO TECHNICAL LITERATURE
CHEMICAL FAMILY: ALKALI
SUPPLIER'S NAME AND ADDRESS: KENCRO CHEMICALS LIMITED
 2172 WYCKHOFT RD., UNIT #4
 OAKVILLE, ON
 L6L 5V6
 905-827-4133
 613-996-6666 (CANADIAN)

24 HR. EMERGENCY NUMBER: 905-827-4133

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	C.A.S.#	WT %	LC50	LD50 (ORAL)
SODIUM CARBONATE	49719-8	99.8	2.3MG/KG (RAT 1HR)	4000MG/KG (RAT)

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
 MAY CAUSE SEVERE IRRITATION OF THE EYES, INCLUDING CORNEAL OPACITIES
 BRUISES AND MISTS ARE IRRITATING TO THE SKIN, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT

SIGNS AND SYMPTOMS OF SHORT-TERM EXPOSURE:
 CONTINUOUS CONTACT MAY CAUSE SKIN IRRITATION (RED, DRY, CRACKED SKIN).
 SKIN CONTACT: MAY CAUSE SEVERE IRRITATION OF THE EYES, INCLUDING CORNEAL OPACITIES
 SKIN ABSORPTION: MAY CAUSE SEVERE IRRITATION OF THE EYES, INCLUDING CORNEAL OPACITIES
 EYE CONTACT: EXCESSIVE LEVELS OF AIRBORNE DUST MAY IRRITATE THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT
 INHALATION: ALTHOUGH LOW IN TOXICITY, INGESTION CAN BE HARMFUL. MAY CAUSE NAUSEA
 VOMITING, STOMACHACHE AND DIARRHEA
 POTENTIAL CHRONIC HEALTH EFFECTS:
 NO DATA AVAILABLE FOR THE PRODUCT

SECTION 4: FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULTY OR DISCOMFORT OCCURS AND PERSISTS CONTACT A MEDICAL DOCTOR.
SKIN CONTACT: WASH WITH PLURITY OF SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS
EYE CONTACT: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. LIFTING THE LID(S) AND LOWER EYELIDS INTERMITTENTLY. SEE A MEDICAL DOCTOR OR OPHTHALMOLOGIST IMMEDIATELY
INGESTION: RINSE MOUTH WITH WATER. DELUTE BY GIVING 1 OR 2 GLASSES OF WATER. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEE A MEDICAL DOCTOR FOR IMMEDIATELY.

NOTES TO PHYSICIAN:
 WHILE INTERNAL TOXICITY IS LOW, IRRITANT EFFECTS OF HIGH CONCENTRATIONS MAY PRODUCE CORNEAL OPACITIES AND VESICULAR SKIN REACTIONS IN HUMANS WITH ABRADED SKIN ONLY. TREATMENT IS SYMPTOMATIC AND SUPPORTIVE

SECTION 5: FIRE FIGHTING MEASURES

FIRE HAZARD/CONDITION OF FLAMMABILITY:
 NON-COMBUSTIBLE
FLASH POINT: N/A/P
FLASH POINT METHOD: N/A/P
LOWER FLAMMABLE LIMIT: N/A/P
 (% BY VOL)
OXIDIZING PROPERTIES: N/A/V
FLAME PROJECTION LENGTH: N/A/V
EXPLOSION DATA: N/A/V
SENSITIVITY TO MECHANICAL IMPACT/STATIC DISCHARGE:
 SENSITIVITY TO MECHANICAL IMPACT/STATIC DISCHARGE.
SUITABLE EXTINGUISHING MEDIA:
 WATER, WATER FOG, CO₂, DRY CHEMICAL.
SPECIAL FIRE-FIGHTING PROCEDURES/EQUIPMENT:
 WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS
HAZARDOUS COMBUSTION PRODUCTS:
 HEATED TO DECOMPOSITION, IT EMITS FUMES OF SODIUM OXIDE

SECTION 6: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES:
 REFER TO SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION FOR APPROPRIATE PERSONAL PROTECTION EQUIPMENT. SWEEP UP AND RECYCLE INTO PROCESS IF CONTAMINATION DOES NOT PRESENT A PROBLEM. USE APPROPRIATE PROTECTIVE EQUIPMENT IF DUST IS GENERATED OR CONTACT WITH EYES OR SKIN IS EXPECTED. FLUSH RESIDUES AND LIQUID TO HOLDING AREA FOR NEUTRALIZATION BEFORE DISCHARGE

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES:
 AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING DUST OR MIST. USE APPROVED RESPIRATORY EQUIPMENT WHEN VENTILATION SYSTEMS ARE NOT AVAILABLE. SELECTION OF RESPIRATORS IS BASED ON THE DUST CLOUD GENERATED. MAINTAIN GOOD PERSONAL HYGIENE.

STORAGE REQUIREMENTS:
 STORE IN A COOL, DRY AREA, AWAY FROM ACIDS. STORE AWAY FROM INCOMPATIBLE MATERIALS. PROLONGED STORAGE MAY CAUSE PRODUCT TO CAKE AND BECOME WET FROM ATMOSPHERIC MOISTURE.

INCOMPATIBLE MATERIALS:
 POWDER, ACIDS, FLUORINE, MOLYBDENUM, LITHIUM. REACTS WITH ACIDS WITH RELEASE OF LARGE VOLUMES OF CARBON DIOXIDE GAS AND HEAT

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS	OSHA PEL		MSHA PEL	
	TWA	STW	TWA	STW
SODIUM CARBONATE	5mg/m ³	10mg/m ³	10mg/m ³	(TOTAL DUST)

SEE COMPOSITION INFORMATION ON INGREDIENTS, SECTION 2.

ENGINEERING CONTROLS:
 MINIMIZE EYE AND SKIN CONTACT BY USING APPROPRIATE PROTECTIVE EQUIPMENT. PROVIDE GENERAL MECHANICAL AND/OR LOCAL EXHAUST VENTILATION TO PREVENT RELEASE OF AIRBORNE DUST INTO WORK ENVIRONMENTS.
CLOVES/TYPE:
 WEAR IMPERVIOUS GLOVES TO PREVENT SKIN CONTACT. THE OUTSIDE OF THE GLOVES SHOULD BE WASHED THOROUGHLY WITH SOAP AND WATER AFTER USE.
RESPIRATORY TYPE:
 WHENEVER DUST IN THE WORKER'S BREATHING ZONE CANNOT BE CONTROLLED WITH VENTILATION, WORKERS SHOULD WEAR RESPIRATORS, WHICH ARE APPROVED FOR PROTECTION AGAINST AIRBORNE DUST BY U.S. MSHA OR COMPARABLE CERTIFICATION ORGANIZATION.
EYE TYPE:
 FULL FACE SHIELDS
FOOTWEAR TYPE:
 INDUSTRIAL SAFETY SHOES

CLOTHING TYPE: WEAR ANNI PROTECTORS AND ABRASION. IF CLOTHING BECOMES CONTAMINATED, REMOVE AND LAUNDRY BEHIND REVERSE.
OTHER TYPE: AN EYE WASH STATION AND SAFETY SHOWER SHOULD BE MADE AVAILABLE IN THE IMMEDIATE WORKING AREA

SECTION 3: PHYSICAL AND CHEMICAL IDENTification

PHYSICAL STATE: GRANULAR SOLID
COLOUR: (K) WHITE
PH: (K) N/A
SPECIFIC GRAVITY: 2.809 (WATER = 1)
COEFFICIENT OF WATER/OIL: 85%
DISTRIBUTION: 33% MAXIMUM (W/W)
EVAPORATION RATE: N/A
MOLECULAR WEIGHT: 105.96
MOLECULAR FORMULA: Na₂CO₃

SECTION 4: STABILITY AND REACTIVITY

STABILITY AND REACTIVITY: STABLE, NOT COMPATIBLE WITH ALUMINUM POWDER, ACIDS, FLUORINE, MOLYBDENUM LITHIUM
MAY CORRODE FERROUS METALS AND MILD STEEL IN PRESENCE OF MOISTURE.
CONDITIONS TO AVOID: CONTACT WITH ACIDS EXCEPT UNDER CONTROLLED CONDITIONS. REACTS WITH ACIDS WITH RELEASE OF LARGE VOLUMES OF CARBON DIOXIDE GAS AND HEAT. SIMILAR REACTIONS EXIST WITH OTHER ACIDS.
HAZARDOUS DECOMPOSITION PRODUCTS: NONE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION 5: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: EXPOSURE LIMIT OF MATERIAL:
PARTICULATES NOT OTHERWISE REGULATED: OSHA (PEL/TWA) 15 MG/M³ (TOTAL DUST), 5 MG/M³ (RESPIRABLE FRACTION); MSHA (PEL/TWA) 10 MG/M³ (TOTAL DUST), 5 MG/M³ (RESPIRABLE FRACTION); ROUTE: 2310 (INHALATION), 2410 (INGESTION), 2510 (SKIN CONTACT).
CARCINOGENIC STATUS: NOT LISTEN BY IARC, NTP, OSHA, ACGIH
REPRODUCTIVE EFFECTS: N/A
MUTAGENICITY: N/A
SENSITIZATION TO MATERIAL: NON-SENSITIZING (HUMANS), 0.25% SODIUM CARBONATE; TOXICOLOGICAL APPL. PHARMACOL. 31-481 (1975)
SYNERGISTIC MATERIALS: N/A
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: NO DATA AVAILABLE FOR THIS PRODUCT

SECTION 6: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: BIODEGRADABILITY DOES NOT APPLY TO INORGANIC SUBSTANCES, NO SIGNIFICANT TOXICITY TO AQUATIC ORGANISMS IS EXPECTED
ECOTOXICITY: DAPHNIA MAGNA 96 HR LC50 = 265 - 563 MG/L
BIOLOGICAL SUNSHINE 96 HR LC50 = 200 - 1200 MG/L

SECTION 7: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: SALVAGE AS MUCH MATERIAL AS POSSIBLE AND RETURN TO PROCESS IF CONTAMINATION DOES NOT PRESENT A PROBLEM. DISPOSE IN AN ACCEPTED LANDFILL IN ACCORDANCE WITH LOCAL, PROVINCIAL, AND FEDERAL GOVERNMENT REGULATIONS

SECTION 8: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: SODIUM CARBONATE
TDC CLASSIFICATION: NOT REGULATED

SECTION 9: REGULATORY INFORMATION

WHMIS CLASSIFICATION: D2B (POISONOUS AND INFECTIOUS MATERIALS, TOXIC)

SECTION 10: OTHER INFORMATION

LEGEND: ACGIH AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS # CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
IARC INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
LC LETHAL CONCENTRATION
LD LETHAL DOSE
MSHA MINER SAFETY AND HEALTH ADMINISTRATION
N/A NOT AVAILABLE
NOSH NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NTP NATIONAL TOXICOLOGICAL PROGRAM
OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PPE PERMISSIBLE EXPOSURE LIMIT
STEL SHORT TERM EXPOSURE LIMIT
TLV THRESHOLD LIMIT VALUE
TWA TIME WEIGHTED AVERAGE
WHMIS WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

PREPARED BY: KINCREO CHEMICALS LIMITED
TEL: 905-827-4133
FAX: 905-827-4145

MSDS PREPARATION DATE: (DDMMYYYY)
01/06/2011

DISCLAIMER OF LIABILITY

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www.kinchem.com



SODIUM BICARBONATE

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIER: SODIUM BICARBONATE
PRODUCT USE: FOOD APPLICATIONS, NEUTRALIZATION, REFER TO TECHNICAL LITERATURE
CHEMICAL FAMILY: ALKALI CHEMICALS LIMITED
SUPPLIER NAME AND ADDRESS: 2172 WYCKBART RD., UNIT #4
 OAKVILLE, ON
 L6L 5V6
 905-827-4103
 613-996-0666 (CANITIC)

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	C.A.S.#	WT%	LC50	LD50 (ORAL)
SODIUM BICARBONATE	144-55-8	60 - 100	N/A/V	4230MG/KG (RAT) 1160MG/KG (MURINE)

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
 MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION
 SLIGHTLY IRRITATING TO THE EYES, SKIN AND RESPIRATORY SYSTEM. AVOID CONTACT WITH EYES
 AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. USE ONLY WITH ADEQUATE VENTILATION
 KEEP CONTAINER TIGHTLY CLOSED AND STORE PROPERLY READY FOR USE.
 WASH THOROUGHLY AFTER HANDLING.

SIGNS AND SYMPTOMS OF SHORT-TERM EXPOSURE:
 SKIN CONTACT: SLIGHTLY IRRITATING TO THE SKIN. OVER-EXPOSURE MAY CAUSE REDNESS.
 SKIN ABSORPTION: N/A/V
 EYE CONTACT: SLIGHTLY IRRITATING TO THE EYES. OVER-EXPOSURE MAY CAUSE WATERING AND REDNESS.
 INITIAL FIRES: BUSINESS
 INGESTION: MAY CAUSE RESPIRATORY TRACT IRRITATION AND COUGHING.
 POTENTIAL CHRONIC HEALTH EFFECTS: MAY CAUSE ABDOMINAL PAIN, NAUSEA AND VOMITING. LARGE DOSES MAY CAUSE ALKALOSIS.
 NO KNOWN SIGNIFICANT EFFECTS ON CRITICAL HAZARDS.

SECTION 4: FIRST AID MEASURES

GENERAL: NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION.
INHALATION: RESPIRATORY IRRITATION. MOVE EXPOSED PERSON TO FRESH AIR. IF NOT BREATHING, FRESH AIR OR IF BREATHING DIFFICULTY OCCURS, PROVIDE ARTIFICIAL RESPIRATION. OXYGEN BY TRAINED MEDICAL PERSONNEL IMMEDIATELY.
SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. CLEAN SHOES THOROUGHLY BEFORE REUSE. GET MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT: CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH LIBERTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. GET MEDICAL ATTENTION IMMEDIATELY.
INGESTION: WASH OUT MOUTH WITH WATER. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY A PHYSICIAN. IF THE PERSON IS UNCONSCIOUS, TURN THEM ON THEIR SIDE. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. LOCKER TIGHT CLOTHING SUCH AS A COLLAR, TIE OR WAISTBAND. GET MEDICAL ATTENTION IMMEDIATELY.
NOTES TO PHYSICIAN: NO SPECIFIC TREATMENT TREAT SYMPTOMATICALLY. CONTACT POISON CONTROL. SPECIALIST IMMEDIATELY IF LARGE QUANTITIES HAVE BEEN INGESTED OR INHALED.

SECTION 5: FIRE HAZARD

FIRE HAZARD/CONDITION OF FLAMMABILITY:
 NO SPECIFIC FIRE OR EXPLOSION HAZARD. THIS PRODUCT CAN BE USED AS A DRY POWDER EXTINGUISHING AGENT. INFLAMMABLE. PROMPTLY ISOLATE THE SCENE BY REMOVING ALL PERSONS FROM THE VICINITY OF THE INCIDENT IF THERE IS A FIRE. NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING.
FLASH POINT: N/A/V
FLASH POINT METHOD: N/A/V
LOWER FLAMMABLE LIMIT: N/A/V
UPPER FLAMMABLE LIMIT: N/A/V
OXIDIZING PROPERTIES: N/A/V
FLAME PROJECTION LENGTH: N/A/V
EXPLOSION DATA: SENSITIVITY TO MECHANICAL IMPACT/STATIC DISCHARGE.

SUITABLE EXTINGUISHING MEDIA:
 USE AN EXTINGUISHING AGENT SUITABLE FOR SURROUNDING FIRES. WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN EITHER IN CONFINED AREA OR EXPOSED TO COMBUSTION PRODUCTS.

SPECIAL FIRE-FIGHTING PROCEDURE/EQUIPMENT:
 FIRE-FIGHTERS SHOULD WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

HAZARDOUS COMBUSTION PRODUCTS:
 NO SPECIFIC DATA.

SECTION 6: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES:
 NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. EVACUATE SURROUNDING AREAS. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. PROVIDE ADEQUATE VENTILATION. AVOID DUST ACCUMULATION. IF SPILLING WATER ON THE MATERIAL INTO WASTE CONTAINER, FIRST USE THE ABSORBENT WHEN VENTILATION IS CONTAMINATED SURFACE. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8). IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. CLEAN SHOES THOROUGHLY BEFORE REUSE. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES:
 PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8). EATING, DRINKING, SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THIS MATERIAL IS HANDLED, STORED AND PROCESSED. WORKERS SHOULD WASH HANDS AND FACE BEFORE EATING, DRINKING AND SMOKING. DO NOT INGEST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE ONLY WITH ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. KEEP IN ORIGINAL CONTAINER OR AN APPROVED ALTERNATIVE MADE FROM A COMPATIBLE MATERIAL. KEPT TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE HAZARDOUS. DO NOT REUSE CONTAINER.
STORAGE REQUIREMENTS:
 STORE IN ACCORDANCE WITH LOCAL REGULATIONS. STORE IN ORIGINAL CONTAINER PROTECTED FROM DIRECT SUNLIGHT AND WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS AND FLAMMABLE LIQUIDS. KEEP CONTAINER TIGHTLY CLOSED AND SEALED UNTIL READY FOR USE. CONTAINERS THAT HAVE BEEN OPENED MUST

BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE IN UNLABLED CONTAINERS. USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

INCOMPATIBLE MATERIALS: REACTS WITH ALUMINUM, ACIDS AND PHOSPHOROUS PENTOXIDE.

SECTION 6: EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE LIMITS	ACGIH TLV		OSHA PEL	
	MA	STL	MA	STL
SODIUM BICARBONATE	N/A	N/A	N/A	N/A

NO EXPOSURE LIMIT VALUE KNOWN. CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS. SEE COMPOSITION INFORMATION ON INGREDIENTS, SECTION 3, FOR TLV/STL VALUE.

RECOMMENDED MONITORING: IF THIS PRODUCT CONTAINS INGREDIENTS WITH EXPOSURE LIMITS, PERSONAL, WORKPLACE ATMOSPHERE OR BIOLOGICAL MONITORING MAY BE REQUIRED TO DETERMINE THE EFFECTIVENESS OF THE VENTILATION OR OTHER CONTROL MEASURES AND/OR NECESSITY TO USE RESPIRATORY PROTECTIVE EQUIPMENT.

ENGINEERING CONTROLS: USE ONLY WITH ADEQUATE VENTILATION. IF USER OPERATIONS GENERATE DUST, FUMES, GAS, VAPOUR OR MIST, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP WORKER EXPOSURE TO AIRBORNE CONTAMINATES BELOW ANY RECOMMENDED OR STATUTORY LIMITS.

HYGIENE MEASURES: WASH HANDS, FOREARMS AND FACE THOROUGHLY AFTER HANDLING CHEMICAL PRODUCTS. BEFORE EATING, SMOKING AND USING THE LAVATORY AND AT THE END OF THE WORKING PERIOD. APPROPRIATE TECHNIQUES SHOULD BE USED TO REMOVE POTENTIALLY CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSING. ENSURE THAT THE EYE/WASH STATION AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.

GLOVES/TYPE: CHEMICAL RESISTANT, IMPERVIOUS GLOVES COMPLYING WITH AN APPROVED STANDARD SHOULD BE WORN AT ALL TIMES WHEN HANDLING CHEMICAL PRODUCTS IF A RISK ASSESSMENT INDICATES THIS IS NECESSARY.

RESPIRATORY/TYPE: USE A PROPERLY FITTED, AIR-PURIFYING OR AIR-FED RESPIRATOR COMPLYING WITH THE REQUIREMENTS OF A RISK ASSESSMENT. INDICATES THIS IS NECESSARY. RESPIRATOR SHOULD BE KNOWN TO THE USER AND ANTICIPATED EXPOSURE LEVELS, THE HAZARDOUS OF THE PRODUCT AND THE SAFE WORKING LIMITS OF THE SELECTED RESPIRATOR.

EYE/TYPE: SAFETY EYEWEAR COMPLYING WITH AN APPROVED STANDARD SHOULD BE USED WHEN A RISK ASSESSMENT INDICATES THIS IS NECESSARY TO AVOID EXPOSURE TO LIQUID SPLASHES, MISTS OR DUSTS. RECOMMENDED: SAFETY GLASSES WITH SIDE-SHIELDS.

FOOTWEAR/TYPE: NO SPECIAL REQUIREMENTS.

CLOTHING/TYPE: PERSONAL PROTECTIVE EQUIPMENT FOR THE BODY SHOULD BE SELECTED BASED ON THAT TASK BEING PERFORMED AND THE RISKS INVOLVED AND SHOULD BE APPROVED BY A SPECIALIST BEFORE HANDLING THIS PRODUCT. RECOMMENDED: LAB COAT.

ENVIRONMENTAL EXPOSURE CONTROLS: CLOSURE OF VENTILATION OR WORK PROCESS EQUIPMENT SHOULD BE CARRIED OUT UNDER THE LOCAL LEGISLATION. IN SOME CASES, FUMES, SUBSTITUTES, FILTERS OR ENGINEERING MODIFICATION TO THE PROCESS EQUIPMENT WILL BE NECESSARY TO REDUCE EMISSIONS TO ACCEPTABLE LEVELS.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	SOLID (GRANULAR)	APPEARANCE:	WHITE
ODOUR:	ODORLESS	ODOUR THRESHOLD:	N/A
PH:	8.2 - 8.5 (G/NC, 1% W/W)	BOILING POINT:	DECOMPOSES
RELATIVE DENSITY:	2.16 (at 4 C)	MELTING/FREEZING POINT:	DECOMPOSES
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N/A	SOLUBILITY IN WATER:	PARTIALLY S & 8% @ 20 C
EVAPORATION RATE:	N/A	VAPOUR DENSITY (AIR=1):	N/A
MOLECULAR WEIGHT:	84.01 (MOL W)		
MOLECULAR FORMULA:	NaHCO ₃		

SECTION 10: STABILITY AND STABILITY DATA

STABILITY AND REACTIVITY: THIS PRODUCT IS STABLE. IN MOIST AIR FORMS SODIUM CARBONATE. UNDER NORMAL CONDITIONS OF STORAGE, HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

CONDITIONS TO AVOID: NO SPECIFIC DATA

MATERIALS TO AVOID: REACTS WITH ALUMINUM, ACIDS AND PHOSPHOROUS PENTOXIDE.

HAZARDOUS DECOMPOSITION PRODUCTS: UNDER NORMAL CONDITIONS OF STORAGE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: REFER TO SECTION 2 FOR INDIVIDUAL INGREDIENT LDD'S.

CARCINOGENIC STATUS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

REPRODUCTIVE EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

MUTAGENICITY: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

SENSITIVITY TO MATERIAL: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

SYNTHETIC MATERIALS: N/A

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: NONE KNOWN

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

ENVIRONMENTAL: AVOID DISPOSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS. INFORM THE RELEVANT AUTHORITIES IF THE PRODUCT HAS CAUSED ENVIRONMENTAL POLLUTION (SEWERS, WATERWAYS, SOIL OR AIR).

SECTION 13: HANDLING AND STORAGE

HANDLING FOR DISPOSAL: REFER TO SECTION 7, HANDLING AND STORAGE AND SECTION 8, EXPOSURE AND PROTECTION OF EMPLOYEES FOR ADDITIONAL HANDLING INFORMATION.

WASTE DISPOSAL: THE GENERATION OF WASTE SHOULD BE AVOIDED OR MINIMIZED WHEREVER POSSIBLE. EMPTY CONTAINERS OR LINERS MAY RETAIN SOME PRODUCT RESIDUES. THIS MATERIAL AND ITS CONTAINER OR LINERS MUST BE DISPOSED OF IN A SAFE WAY. DISPOSAL OF SURPLUS AND NON-RECYCLABLE PRODUCTS VIA A LICENSED WASTE DISPOSAL CONTRACTOR. DISPOSAL OF THIS PRODUCT, SOLUTIONS AND ANY BY-PRODUCTS SHOULD AT ALL TIMES COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION AND WASTE DISPOSAL LEGISLATION AND ANY REGIONAL, LOCAL AUTHORITY REQUIREMENTS. AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS.

EMPTY AND EMPTY PACKAGING MUST BE DISPOSED OF IN ACCORDANCE WITH THE LOCAL, PROVINCIAL AND MUNICIPAL ENVIRONMENTAL CONTROL REGULATIONS.

SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: SODIUM BICARBONATE

TDC CLASSIFICATION: NOT REGULATED

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION: NOT CONTROLLED UNDER WHMIS (CANADA)

LEGEND: ABBREVIATIONS OF THE INFORMATION

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
LETHAL CONCENTRATION
LETHAL DOSE
NOT APPLICABLE
NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH
PERMISSIBLE EXPOSURE LIMIT
SELF CONTAINED BREATHING APPARATUS
SHORT TERM EXPOSURE LIMIT
TRANSPORTATION OF DANGEROUS GOODS ACT/REGULATIONS
THRESHOLD LIMIT VALUE
TOXICITY
WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

PREPARED BY: KENCRO CHEMICALS LIMITED
TEL: 905-837-4133
FAX: 905-837-4145

MSDS PREPARATION DATE: (DD/MM/YYYY)
01/06/2011

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www.kencro.com



SODIUM METABISULPHITE FOOD GRADE

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIER: SODIUM METABISULPHITE FOOD GRADE
PRODUCT USE: REDUCING AGENT, CHEMICAL INTERMEDIATE
CHEMICAL FAMILY: SODIUM DISULPHITE, INORGANIC SULFITE
SUPPLIER'S NAME AND ADDRESS: KENCRO CHEMICALS LIMITED
 2172 WYCKROFT RD., UNIT #4
 OAKVILLE, ON
 L6L 5V6
 905-827-4133
 613-996-6666 (CAN/TX/UK)

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	C.A.S.#	Wt.%	LS-50	LD-50	EXPOSURE LIMIT
SODIUM METABISULPHITE	7681-574	97.10%	NAV	910MG/KG (MCH)	5 MG/M ³ RIR TWA (ACGIH-TLV)

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
 IRRITANT TO EYES, SKIN AND RESPIRATORY PASSAGE
 HARMFUL IF SWALLOWED.

SIGNS AND SYMPTOMS OF SHORT-TERM EXPOSURE:

REPEATED OR PROLONGED CONTACT WITH DUST MAY CAUSE IRRITATION. CONTACT WITH SOLUTION WILL IRRITATE.
 SKIN CONTACT: NONE KNOWN
 EYE CONTACT: CAUSES EYE IRRITATION. DUST OR MIST MAY IRRITATE OR BURN EYES.
 INHALATION: INHALATION OF VAPOURS OR MISTS MAY CAUSE IRRITATION OF RESPIRATORY PASSAGES.
 INGESTION: HARMFUL IF SWALLOWED.
 POTENTIAL CHRONIC HAZARD: NONE KNOWN.
 PROLONGED CONTACT MAY BE SEVERELY IRRITATING OR CAUSE BURNS.

SECTION 4: FIRST AID MEASURES

GENERAL: CONSULT PHYSICIAN IF IRRITATION PERSISTS IN ANY OF THE BELOW CASES.
INHALATION: IF INHALED MOVE VICTIM TO FRESH AIR.
SKIN CONTACT: IN CASE OF SKIN CONTACT IMMEDIATELY WASH WITH SOAP AND PLENTY OF WATER. WASH IN CLOTHING SEPARATELY.
EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. HOLD EYES OPEN DURING FLUSHING.
INGESTION: IF CONSCIOUS GIVE 2 GLASSES OF WATER AND IMMEDIATELY INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 5: FIRE FIGHTING MEASURES

FIRE HAZARD/CONDITION OF FLAMMABILITY: NON FLAMMABLE
FLASH POINT: NAV
FLASH POINT METHOD: NAV
AUTO IGNITION TEMPERATURE: NAV

LOWER FLAMMABLE LIMIT: NONE
UPPER FLAMMABLE LIMIT: NONE
 (% BY VOL) (% BY VOL)

OXIDIZING PROPERTIES: NAV
FLAME PROJECTION LENGTH: NAV
SUITABLE FIRE-FIGHTING MEDIA: FOAM, WATER
SPECIAL FIRE-FIGHTING PROCEDURES/EQUIPMENT:

THIS PRODUCT IS NON-FLAMMABLE BUT MAY BECOME INHIBITED TO LIBERATE SUFFICIENT AMOUNT OF VAPOR TO BE HAZARDOUS. PROTECTIVE WEAR SHOULD INCLUDE DANGEROUS FIRE RISK. FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE SHIELD OPERATED IN POSITIVE PRESSURE MODE. WHEN HEATED ABOVE 150°C (302°F) OR MIXED WITH WATER AND/OR ICE, PRODUCT RELEASES SULFUR DIOXIDE GAS AND EXCESS HEAT.

HAZARDOUS COMBUSTION PRODUCTS:
 SULFUR DIOXIDE GAS WHICH IS TOXIC AND CORROSIVE. SODIUM SULFIDE RESIDUE WHICH IS FLAMMABLE. STRONG IRRITANT TO SKIN AND TISSUE AND INCOMPATIBLE WITH ACIDS.

SECTION 6: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES:
 PREVENT RUNOFF INTO DRAINS, SEWERS AND OTHER WATERWAYS. WEAR NIOSH/ASHA APPROVED ORGANIC VAPOR/HAZARD RESPIRATOR, SWEEP UP OR VACUUM CAREFULLY TO MINIMIZE THE AMOUNT OF DUST THAT MAY BECOME AIRBORNE. PLACE IN SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH SPILLED MATERIAL INTO THE SEWER. KEEP UNNECESSARY PEOPLE AWAY.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES:
 AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID BREATHING DUST. DO NOT WEAR CONTACT LENSES. KEEP AWAY FROM WATER, ICE AND ACIDS. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. WEAR PROTECTIVE EQUIPMENT. AFTER HANDLING, ALWAYS WASH HANDS THOROUGHLY WITH SOAP AND WATER. WASH HANDS BEFORE EATING.

STORAGE REQUIREMENTS:
 STORE IN A DRY AND WELL-VENTILATED AREA. STORE AWAY FROM WATER, ICE, ACIDS AND OXIDIZING AGENTS. RELEASES SULFUR DIOXIDE SLOWLY AT AMBIENT TEMPERATURES. EMPTY CONTAINERS RETAIN HAZARDOUS PRODUCT RESIDUES, BOTH POWDERS AND DUST.

INCOMPATIBLE MATERIALS:
 ACIDS, OXIDIZING AGENTS, SULFIDES, NITRIDES AND NITRATES. WATER AND/OR ICE WHICH GENERATES TOXIC SULFUR DIOXIDE GAS.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
SODIUM METABISULPHITE	5 MG/M ³ RIR	NAV	NAV	NAV

SEE CONVENTIONAL INFORMATION ON INGREDIENTS, SECTION 1.
ENGINEERING CONTROLS:

LOCAL EXHAUST SYSTEM IS RECOMMENDED TO KEEP AIR CONTAMINANT CONCENTRATION BELOW APPLICABLE EXPOSURE LIMITS. ADEQUATE VENTILATION SHOULD BE PROVIDED IN CASE OF PRESENCE OF SULFUR DIOXIDE GAS. IF USER OPERATIONS GENERATE DUST, FUME OR MIST, USE VENTILATION TO KEEP EXPOSURE TO AIRBORNE CONTAMINANTS BELOW THE EXPOSURE LIMIT. EYE WASH STATION AND WASHING FACILITIES SHOULD BE AVAILABLE.
CHEMICAL RESISTANT GLOVES:
 WEAR NIOSH/ASHA APPROVED CHEMICAL FILTER RESPIRATOR IF EXPOSED TO DUST PARTICLES DURING PRODUCT APPLICATION OR IF OCCUPATIONAL EXPOSURE LIMITS (TLV) ARE EXCEEDED.
RESPIRATORY TYPE:
 FILTER CARTRIDGES OR SAFETY GLASSES
EYE TYPE:
 IMPERMEABLE AERON. PROTECTIVE CLOTHING. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.
CLOTHING TYPE:
 EYE BATH AND SAFETY SHOWER FACILITY SHOULD BE IN CLOSE PROXIMITY.

METHOD OF DISPOSAL: MUST BE DISPOSED OF IN A SPECIAL WASTE DISPOSAL PLANT IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

SECTION 1: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: SODIUM METABISULFITE
TDG CLASSIFICATION: NOT REGULATED

SECTION 2: HAZARDOUS INFORMATION

WHMIS CLASSIFICATION: D2B (POISONOUS AND INFECTIOUS MATERIALS, TOXIC)

SECTION 3: OTHER INFORMATION

LEGEND:
AC/HH AMERICAN CONFEDERATION OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
IARC INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IC INTERNATIONAL CHEMICAL SAFETY REGISTRY NUMBER
LD LETHAL DOSE
LC LETHAL CONCENTRATION
LD₅₀ LETHAL DOSE
MSHA MINE SAFETY AND HEALTH ADMINISTRATION
NIAP NOT APPLICABLE
NIOSH NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NIPT NATIONAL TOXICOLOGICAL PROGRAM
OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL PERMISSIBLE EXPOSURE LIMIT
STEL SHORT TERM EXPOSURE LIMIT
TLV THRESHOLD LIMIT VALUE
TWA TIME WEIGHTED AVERAGE
WHMIS WORKSHEET HAZARDOUS MATERIALS INFORMATION SYSTEM

PREPARED BY: KENCRO CHEMICALS LIMITED
TEL: 905-827-4133
FAX: 905-827-4145

MSDS PREPARATION DATE: 01/06/2011
(DDMMYYYY)

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SECTION 4: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: CRYSTALLINE POWDER
APPEARANCE: WHITE TO SLIGHTLY YELLOW
ODOUR: SULFUR DIOXIDE ODOUR, FAINT
ODOUR THRESHOLD: N/A
PH: 4.4-8.15% SOLUTION @ 20 °C
BOILING POINT: N/A
SPECIFIC GRAVITY: N/A
MELTING/REEZING POINT: N/A
BULK DENSITY: 1250-1450KG/M³
DECOMPOSITION TEMPERATURE: >150 °C
VAPOUR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: 470G/L (20°C)
EVAPORATION RATE: N/A

MOLECULAR WEIGHT: 190.11
MOLECULAR FORMULA: Na₂S₂O₅

SECTION 5: STABILITY AND REACTIVITY DATA

STABILITY AND REACTIVITY: STABLE AT AMBIENT TEMPERATURES AND ATMOSPHERIC PRESSURE.
CONDITIONS TO AVOID: EXPOSURE TO EXCESSIVE HEAT. TEMPERATURES ABOVE 150°C CAUSE EVOLUTION OF TOXIC AND CORROSIVE SULFUR DIOXIDE GAS. REACTS WITH ACIDS, OXIDIZING AGENTS, SULFIDES, NITRITES AND NITRATES (MAY IGNITE OR EVEN EXPLODE). WATER AND/OR ICE WHICH GENERATES TOXIC SULFUR DIOXIDE GAS.
HAZARDOUS DECOMPOSITION PRODUCTS: SULFUR DIOXIDE (SO₂), SODIUM SULFIDE RESIDUE WHICH IS FLAMMABLE. STRONG IRRITANT TO SKIN AND THROAT.

SECTION 6: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: SIR COMPOSITION INFORMATION ON INGREDIENTS, SECTION 2.
CARCINOGENIC STATUS: NOT A KNOWN CARCINOGEN. NOT LISTED AS A CARCINOGEN BY NTP, IARC OR OSHA.
REPRODUCTIVE EFFECTS: N/A
TERATOGENICITY: N/A
MUTAGENICITY: N/A
SENSITIZATION TO MATERIAL: MAY CAUSE SEVERE OR DEADLY ALLERGIC REACTIONS IF INHALED OR IN SOME ASTHMATICS AND SULPHITE SENSITIVE INDIVIDUALS. POSSIBLE SIGNS AND SYMPTOMS OF ALLERGIC REACTION INCLUDE: BRONCHOCONSTRUCTION, SWELLING, FLUSHING, IRRITIS, RAPID HEART RATE, DECREASED BLOOD PRESSURE AND ANAPHYLAXIS.
SYNERGISTIC MATERIALS: N/A

SECTION 7: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: MAY CAUSE OXYGEN CONSUMPTION IN BIOLOGICAL PURIFICATION PLANTS. THE DECOMPOSING ACTIVITY OF THE ACTIVATED SLUDGE IN AN OPERATING BIOLOGICAL WATER TREATMENT PLANT SHOULD NOT BE AFFECTED. SULFUR DIOXIDE IS LIBERATED IN AN ACIDIC ENVIRONMENT.
BIODEGRADABILITY: THIS PRODUCT SHOULD NEVER ENTER WASTE WATER STREAMS WITHOUT PRETREATMENT.

IMPORTANT ENVIRONMENTAL CHARACTERISTICS: THE ELIMINATION TEST CANNOT BE CONDUCTED AS THE PRODUCT IS INORGANIC.
ECOTOXICOLOGICAL: LC50 100-200MG/L (RAINBOW TROUT, 48HR).

SECTION 8: DISPOSAL CONSIDERATIONS

HANDLING FOR DISPOSAL: AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID BREATHING DUST. DO NOT WEAR CONTACT LENSES. KEEP AWAY FROM WATER, ICE AND ACIDS. KEEP FROM CONTACT WITH OXIDIZING AGENTS. DO NOT MIX WITH OTHER WASTE. EMPTY CONTAINERS SHOULD BE WASHED THOROUGHLY AND REUSED. RINSE WITH WATER AND MUST BE OXIDIZED WITH SODIUM HYPOCHLORITE OR HYDROGEN PEROXIDE. AFTERWARDS, NEUTRALIZE THE SOLUTION AND DILUTE WITH WATER. FINISH CLEANING BY SPREADING WATER ON THE CONTAMINATED SURFACE.



KENCRO CHEMICALS

SODIUM PERSULFATE

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIER: SODIUM PERSULFATE
PRODUCT USE: ROX (MERGATION) INITIATOR, ETCHANT AND CLEANER IN MANUFACTURE OF PRINTED CIRCUIT BOARDS, BOOSTER IN HAIR BLEACHING, FORMULATION IN COSMETICS, SECONDARY OIL RECOVERY SYSTEM AS A POLYMERIZATION INITIATOR AND A GEL BREAKER.

CHEMICAL FAMILY: INORGANIC PEROXY COMPOUNDS
SUPPLIER'S NAME AND ADDRESS: KENCRO CHEMICALS LIMITED
 2172 WYECROFT RD., UNIT #4
 OAKVILLE, ON
 L6L 5V6

24 HR. EMERGENCY NUMBER: 905-427-4133
 613-996-6066 (CANADIAN)

SECTION 2: QUANTITIES AND CONCENTRATIONS

INGREDIENTS	C.A.S.#	WT.%	LC50	LD50	DERMAL
SODIUM PERSULFATE	7775-27-1	>99%	5.1MG/L (RAT)	893 MG/KG (RAT)	>10G/KG

SECTION 3: HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW
 WHITE OR PEARL CRYSTALS
 STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE
 HARMFUL IF SWALLOWED OR INHALED
 MAY CAUSE BURNS TO SKIN AND EYES
 CAUSE RESPIRATORY TRACT IRRITATION
 MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION

SECTION 4: SIGNS AND SYMPTOMS OF SHORT-TERM EXPOSURE:

SKIN CONTACT: CAUSES SEVERE IRRITATION OR BURNS. SYMPTOMS INCLUDE REDNESS, ITCHING AND PAIN. MAY CAUSE ALLERGIC SKIN REACTIONS.
EYE CONTACT: CAN CAUSE SEVERE IRRITATION OR BURNS WITH EYE DAMAGE. AIRBORNE AIRBORNE PERSULFATE DUST MAY BE IRRITATING TO EYES, THROAT AND RESPIRATORY TRACT UPON CONTACT. SYMPTOMS MAY INCLUDE SORE THROAT, SHORTNESS OF BREATH, IRRITATION OF NASAL PASSAGES, COUGHING AND WHEEZING. MAY CAUSE LUNG EDEMA. A MEDICAL EMERGENCY. MAY CAUSE AN ALLERGIC REACTION. ASTHMA-LIKE SYMPTOMS AND LIFE-THREATENING SHOCK EXPOSURE TO HIGH LEVELS OF PERSULFATE DUST MAY CAUSE DIFFICULTY IN BREATHING IN SENSITIVE PERSONS.
INGESTION: MAY BE HARMFUL IF SWALLOWED. CAUSES SEVERE IRRITATION AND POSSIBLE BURNS TO THE MOUTH AND THROAT. GASTROINTESTINAL DISTURBANCES MAY BE EXPECTED WITH NAUSEA, ABDOMINAL PAIN AND VOMITING.
POTENTIAL CHRONIC HEALTH EFFECTS: PERSONS MAY DEVELOP DERMATITIS AND ASTHMA. IRRITATION OF THE LUNGS OF RATS WHEN FED 0.1% OR 1.00% PPM SOLUTION PERSULFATE IN THE DIET FOR 13 WEEKS. FOLLOWED BY 5.00 PPM FOR 5 WEEKS. MICROSCOPIC EXAMINATION OF TISSUES REVEALED SOME INJURY TO THE GASTROINTESTINAL.

TRACT AT THE HIGH DOSE (1,000 PPM) ONLY. THIS EFFECT IS NOT UNEFFECTED FOR AN OXIDIZER AT HIGH CONCENTRATIONS. [RE: FMC 190-1151, TOXICOLOGIST 1149, 1981]

SECTION 5: FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT OR DISCOMFORT OCCURS AND PERSONS CONTACT A MEDICAL EXACTOR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN CONTACT: WASH WITH PLENTY OF SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION OCCURS AND PERSISTS. WASH CLOTHING BEFORE REUSE.
EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IF IRRITATION OCCURS AND PERSISTS. IF CONTACT WITH EYES IS BY CONTACT WITH LIQUID, WASH EYES IMMEDIATELY WITH PLENTY OF WATER. INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEE A MEDICAL DOCTOR IMMEDIATELY.
NOTES TO PHYSICIAN: THIS PRODUCT HAS LOW ORAL TOXICITY. FLOODING OF EXPOSED AREAS WITH WATER IS SUGGESTED. BUT GASTRIC LAVAGE OR EMESIS INDUCTION FOR INGESTIONS MUST CONSIDER POSSIBLE AGGRAVATION OF ESOPHAGEAL INJURY AND THE EXPECTED ABSORPTION OF SYSTEM EFFECTS. TREATMENT IS CONTROLLED REMOVAL OF EXPOSURE FOLLOWED BY SYMPTOMATIC AND SUPPORTIVE CARE.

SECTION 6: FIRE FIGHTING MEASURES

FIRE HAZARD/CONDITION OF FLAMMABILITY: PRODUCT IS NON-COMBUSTIBLE. NO EVIDENCE OF COMBUSTION UP TO 800°C. UPON DECOMPOSITION RELEASES OXYGEN WHICH MAY INTENSIFY FIRE. PRESENCE OF WATER ACCELERATES DECOMPOSITION.
FLASH POINT: NON-COMBUSTIBLE. AUTO IGNITION TEMPERATURE: N/A.
FLASH POINT METHOD: N/A.
LOWER FLAMMABLE LIMIT: NON-COMBUSTIBLE. UPPER FLAMMABLE LIMIT: NON-COMBUSTIBLE (% BY VOL)
OXIDIZING PROPERTIES: OXIDIZER
FLAME PROTECTION LENGTH: N/A
EXPLOSION DATA: NO DATA AVAILABLE.
SUITABLE EXTINGUISHING MEDIA: DILUTE WITH WATER.
SPECIAL FIRE-FIGHTING PROCEDURES/EQUIPMENT: DO NOT USE CARBON DIOXIDE OR OTHER GAS FILLED FIRE EXTINGUISHERS. THEY WILL HAVE NO EFFECT ON DECOMPOSING PERSULFATES. WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.
HAZARDOUS COMBUSTION PRODUCTS: OXYGEN THAT SUPPORTS COMBUSTION AND OXIDES OF SULFUR.

SECTION 7: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES: SPILLED MATERIAL SHOULD BE COLLECTED AND PUT IN APPROVED DOT CONTAINER AND ISOLATED FOR DISPOSAL. ISOLATED MATERIAL SHOULD BE MONITORED FOR SIGNS OF DECOMPOSITION (FUMING/SWELLING). IF SPILLED MATERIAL IS WET, DISPOSE WITH LARGE QUANTITY OF WATER AND DISPOSE AS HAZARDOUS WASTE. ALL DISPOSALS SHOULD BE CARRIED OUT ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.
 SPILLS SHOULD BE COLLECTED INTO SUITABLE CONTAINERS TO PREVENT DISPERSION INTO THE AIR. REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH BEFORE REUSE.

SECTION 8: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES: USE ADEQUATE VENTILATION WHEN TRANSFERRING PRODUCT FROM BAGS OR DRUMS. WEAR RESPIRATORY PROTECTION IF VENTILATION IS INADEQUATE OR NOT AVAILABLE. USE EYE AND SKIN PROTECTION. USE CLEAN PLASTIC OR STAINLESS STEEL SCOOPS ONLY.

PRELIMINARY STATEMENT. USE OF PERSULFATES IN CHEMICAL REACTIONS REQUIRES APPROPRIATE PRECAUTIONS AND DESIGN CONSIDERATIONS FOR PRESSURE AND THERMAL RELEASE. DECOMPOSING PERSULFATES WILL EVOLVE LARGE VOLUMES OF GAS AND/OR VAPOUR. CAN ACCURATELY EXPOSED INDIVIDUALS WITH HEAT GENERATION AND CREATE SIGNIFICANT AND HAZARDOUS PRESSURES IF CONTAINED AND NOT PROPERLY CONTROLLED OR MITIGATED USE WITH ALCOHOLS IN THE PRESENCE OF WATER HAS BEEN DEMONSTRATED TO GENERATE CONDITIONS THAT REQUIRE RIGOROUS ADHERENCE TO PROCESS SAFETY METHODS AND STANDARDS TO PREVENT ESCALATION TO AN UNCONTROLLED REACTION.

STORAGE REQUIREMENTS:
 STORE (UNOPENED) IN A COOL, CLEAN, DRY PLACE AWAY FROM POINT SOURCES OF HEAT. THE FIRST USE OF THIS PRODUCT SHOULD BE IN A WELL VENTILATED STORAGE SYSTEM. AVOID CONTACT WITH OILS, GREASES, ACIDS, AND OTHER CONTAMINANTS. USE OF WATER TO CONTROL DECOMPOSITION, FOR CLEANING, OR FOR WASHING SHOULD BE AVOIDED. USE OF WATER TO CONTROL DECOMPOSITION, FOR STORAGE, REFER TO NIPFA BULLETIN 48 ON STORAGE OF LIQUID AND SOLID OXIDIZING MATERIALS.

INCOMPATIBLE MATERIALS:
 ACIDS, ALKALIS, HALIDES (FLUORIDES, CHLORIDES, BROMIDES AND IODIDES), COMBUSTIBLE MATERIALS, MOST METALS AND HEAVY METALS, OXIDIZABLE MATERIALS, OTHER OXIDIZERS, REDUCING AGENTS, CLEANERS AND ORGANIC OR CARBON CONTAINING COMPOUNDS. CONTACT WITH INCOMPATIBLE MATERIALS CAN RESULT IN A MATERIAL DECOMPOSITION OR OTHER UNCONTROLLED REACTIONS.

SECTION 6: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS	ACGIH	OSHA PEL
INGREDIENTS	TWA	PEL
SODIUM PERSULFATE	1 MG/M ³	STEL

SEE COMPOSITION INFORMATION ON INGREDIENTS, SECTION 2

ENGINEERING CONTROLS: PROVIDE MECHANICAL AND/OR LOCAL GENERAL ROOM VENTILATION TO PREVENT RELEASE OF DUST INTO WORK ENVIRONMENT.

GLOVES/TYPE: WORKGLOVES, WASH THE OUTSIDE OF GLOVES WITH SOAP AND WATER PRIOR TO REMOVAL. INSPECT REGULARLY FOR TEARS.
RESPIRATORY/TYPE: USE APPROVED DUST RESPIRATOR WHICH AIRBORNE DUST IS EXCEPTED.
EYE/TYPE: USE CUP TYPE CHEMICAL GOGGLES. FULL FACE SHIELD MAY BE USED.
FOOTWEAR/TYPE: RUBBER OR NEOPRENE FOOTWEAR.
CLOTHING/TYPE: NORMAL WORK CLOTHES.

SECTION 7: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: SOLID CRYSTALS
ODOUR: NONE
PH: TYPICALLY 5.0 - 7.0 @ 25 C (1% SOLUTION)
SPECIFIC GRAVITY: 2.6 (WATER = 1)
COEFFICIENT OF WATER/OIL DISTRIBUTION: N/A/P
EVAPOURATION RATE: N/A/P

APPEARANCE: WHITE
ODOUR THRESHOLD: N/A/P
BOILING POINT: N/A/P
MELTING/FREEZING POINT: DECOMPOSES
SOLUBILITY IN WATER: 73% (BY WT) @ 25 C
VAPOUR DENSITY (AIR=1): N/A/P

SECTION 8: STABILITY AND REACTIVITY DATA

STABILITY AND REACTIVITY:
 UNSTABLE. GRADUALLY DECOMPOSES LOSING OXYGEN. DECOMPOSES MORE RAPIDLY AT HIGHER TEMPERATURES. STABILITY DECREASES IN THE PRESENCE OF MOISTURE. METALS OTHER THAN STAINLESS STEEL ARE APT TO CAUSE DECOMPOSITION OR PERSULFATE SOLUTIONS.
CONDITIONS TO AVOID:
 HEAT, MOISTURE AND CONTAMINATION

INCOMPATIBLE MATERIALS:
 ACIDS, ALKALIS, HALIDES (FLUORIDES, CHLORIDES, BROMIDES AND IODIDES), COMBUSTIBLE MATERIALS, MOST METALS AND HEAVY METALS, OXIDIZABLE MATERIALS, OTHER OXIDIZERS, REDUCING AGENTS, CLEANERS AND ORGANIC OR CARBON CONTAINING COMPOUNDS. CONTACT WITH INCOMPATIBLE MATERIALS CAN RESULT IN A MATERIAL DECOMPOSITION OR OTHER UNCONTROLLED REACTIONS.

HAZARDOUS DECOMPOSITION PRODUCTS:
 OXYGEN THAT SUPPORTS COMBUSTION AND OXIDES OF SULFUR.

SECTION 9: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: SEE SECTION 2 INFORMATION ON INGREDIENTS
CARCINOGENIC STATUS: NOT LISTED AS A CARCINOGEN BY NTP, IARC, OSHA OR ACGIH.
REPRODUCTIVE EFFECTS: N/A/P
TERATOGENICITY: N/A/P
MUTAGENICITY: N/A/P
SENSITIZATION TO MATERIAL: MAY BE SENSITIZING TO ALLERGIC PERSONS
POLYMERIZATION: WILL NOT OCCUR
SYNERGISTIC MATERIALS: N/A/P
REDUCING CONDITIONS: AGGRAVATED BY OVEREXPOSURE.
ADDITIONAL HEALTH HAZARDS:
 TARGET ORGANS: EYES, SKIN, RESPIRATORY PASSAGES

SECTION 10: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL:
 FISHBELL, 96 HOUR LC50 = 71 MG/L
 WATERSHED, 96 HOUR LC50 = 163 MG/L
 DAPHNIA, 48 HOUR LC50 = 133 MG/L
 GRASS SHRIMP, LC50 = 519 MG/L

SECTION 11: DISPOSAL CONSIDERATIONS

HANDLING FOR DISPOSAL: SWEEP OR SUCTION SOLIDS INTO A PROPER CONTAINER FOR DISPOSAL.
METHOD OF DISPOSAL: DISPOSAL AS A HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

SECTION 12: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: SODIUM PERSULFATE
TDG CLASSIFICATION: CLASS 5.1 (OXIDIZER), UN 1505, PKG GRP III

SECTION 13: REGULATORY INFORMATION

WHMIS CLASSIFICATION: C (OXIDIZER), D2B (POISONOUS AND INFECTIOUS MATERIALS, TOXIC)

SECTION 14: OTHER INFORMATION

LEGEND:
 ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
 CAS #: CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 LC: LETHAL CONCENTRATION
 LD: LETHAL DOSE
 NFA: NATIONAL FIRE PROTECTION ASSOCIATION
 NTP: NOT AVAILABLE
 OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
 PEL: PERMITTED EXPOSURE LIMIT
 STEL: SHORT TERM EXPOSURE LIMIT
 TWA: TIME WEIGHTED AVERAGE
 WHMIS: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM



KENCRO CHEMICALS

UREA, GRANULAR

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIER: UREA, GRANULAR
PRODUCT USE: FERTILIZER
CHEMICAL FAMILY: AMIDES
SUPPLIER'S NAME AND ADDRESS: KENCRO CHEMICALS, LIMITED
 2172 WYTCROFT RD., UNIT #4
 OAKVILLE, ON
 L6L 5V6
 905-827-4133
24 HR. EMERGENCY NUMBER: 613-996-6666 (CANADIAN)

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	C.A.S. #	WT. %	I.C.S.O	L.D50 (ORAL, RAT)
UREA	57-13-6	60 - 100	NAV.	847MG/KG

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
 CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. THE EFFECTS (IRRITATION) ON SKIN AND EYE MAY BE DELAYED AND THE DAMAGE MAY OCCUR WITHOUT THE SENSATION OF PAIN.
 THE UREA SOLUTION BECOMES CORROSIVE WHEN DISSOLVED IN WATER.
 LARGE CONCENTRATION OF UREA IN BLOOD INCREASES THE RISK OF GLAUCOMA.

SIGNS AND SYMPTOMS OF SHORT-TERM EXPOSURE:
SKIN CONTACT: PROLONGED CONTACT WITH DUST MAY CAUSE IRRITATION DUE TO ITS ABRASIVE ACTION. ABSORPTION OF DUST AND MOISTURE. THERE IS A RISK OF DESTRUCTION OF THE SKIN DUE TO CONTACT WITH URINE. CONTACT WITH URINE MAY CAUSE BURNING AND CRACKING. CONTACT WITH HOT PRODUCT CAN CAUSE THERMAL BURNS.
EYE CONTACT: THIS PRODUCT MAY CAUSE IRRITATION, REDNESS AND INJURY DUE TO ITS ABRASIVE ACTION. PROLONGED CONTACT WITH DUST MAY CAUSE DRYING OF THE EYES DUE TO ABSORPTION OF OILS AND MOISTURE. CONTACT WITH HOT PRODUCT CAN CAUSE THERMAL BURNS.
INHALATION: THE PRODUCT MAY CAUSE IRRITATION TO THE NOSE, THROAT AND RESPIRATORY TRACT. DUSTS MAY CAUSE COUGHING AND SNEEZING. SERIOUS EFFECTS MAY BE DELAYED FOLLOWING EXPOSURE.
INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION. INGESTION OF LARGE QUANTITIES MAY CAUSE NAUSEA, GASTROINTESTINAL DISCOMFORT AND ABDOMINAL PAIN.
POTENTIAL CHRONIC HEALTH EFFECTS: THIS MATERIAL MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. MATERIAL MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: SKIN, EYES.

SECTION 4: FIRST AID MEASURES

INHALATION: MOVE EXPOSED PERSON TO FRESH AIR. IF NOT BREATHING, IF BREATHING IS BRIGHTLY OR IF RESPIRATORY ARREST OCCURS, PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN BY TRAINED PERSONNEL. GET MEDICAL ATTENTION.
SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 20 MINUTES. GET MEDICAL ATTENTION.
EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 20 MINUTES. OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. GET MEDICAL ATTENTION.
INGESTION: WASH OUT MOUTH WITH WATER. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.
NOTES TO PHYSICIAN: IN CASE OF INHALATION OF DECOMPOSITION PRODUCTS IN A FIRE, SYMPTOMS MAY BE DELAYED. THE EXPOSED PERSON MAY NEED TO BE KEPT UNDER MEDICAL SURVEILLANCE FOR 48 HOURS.

SECTION 5: FIRE FIGHTING MEASURES

FIRE HAZARD/CONDITION OF FLAMMABILITY: NO SPECIFIC FIRE OR FLAMMATION HAZARD. NON-COMBUSTIBLE.
FLASH POINT: NAV.
LOWER FLAMMABLE LIMIT: NAV.
AUTO IGNITION TEMPERATURE: NAV.
UPPER FLAMMABLE LIMIT: NAV.
(% BY VOL): NAV.
OXIDIZING PROPERTIES: NAV.
FLAME PROJECTION LENGTH: NAV.
EXPLOSION DATA: SENSITIVITY TO MECHANICAL IMPACT/STATIC DISCHARGE: NAV.
SUITABLE EXTINGUISHING MEDIA: USE AN EXTINGUISHING MEDIA SUITABLE FOR THE SURROUNDING FIRE. A WATER SPRAY CAN BE USED TO WET DOWN THE MATERIAL IF ACCIDENTALLY CONTAMINATED WITH FLAMMABLE LIQUIDS OR SOLIDS.
SPECIAL FIRE-FIGHTING PROCEDURES: THE FIRE FIGHTER SHOULD WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

HAZARDOUS COMBUSTION PRODUCTS: DECOMPOSITION PRODUCTS MAY INCLUDE THE FOLLOWING MATERIALS: CARBON DIOXIDE, CARBON MONOXIDE, NITROGEN OXIDES.

SECTION 6: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES:
SMALL SPILL: VACUUM OR SWEEP UP MATERIAL AND PLACE IN A DESIGNATED, LABELED WASTE CONTAINER. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR.
LARGE SPILL: PREVENT ENTRY INTO SEWERS, WATER COURSES, BASINMENTS OR CONTAINED AREAS. VACUUM OR SWEEP UP MATERIAL AND PLACE IN DESIGNATED, LABELED WASTE CONTAINER. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR. NOTE: SEE SECTION 1 FOR EMERGENCY CONTACT INFORMATION AND SECTION 13 FOR WASTE DISPOSAL.

PERSONAL PRECAUTIONS: PROVIDE ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8).

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES: PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8). EATING, DRINKING AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THIS MATERIAL IS HANDLED, STORED AND PROCESSED. WORKERS SHOULD WASH HANDS AND FACE BEFORE EATING, DRINKING AND SMOKING. THIS PRODUCT SHOULD BE KEPT IN ORIGINAL CONTAINER OR AN APPROVED ALTERNATIVE MADE FROM A COMPATIBLE MATERIAL. KEEP TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE HAZARDOUS. DO NOT REUSE CONTAINER.
STORAGE REQUIREMENTS: STORE IN ACCORDANCE WITH LOCAL REGULATIONS. STORE IN ORIGINAL CONTAINER PROTECTED FROM DIRECT SUNLIGHT IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY

FROM INCOMPATIBLE MATERIALS AND FOOD AND DRINK. KEEP CONTAINER TIGHTLY CLOSED AND SEALED UNTIL READY FOR USE. CONTAINERS THAT HAVE BEEN OPENED MUST BE RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE IN UNDESIGNATED CONTAINERS. USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

INCOMPATIBLE MATERIALS:

OXIDIZERS, REDUCING AGENTS, HALOGENS, ACIDS, ALKALIS, NITRATES, AMMONIUM NITRATE, ACRYLONITRILE, BUTADIENE STYRENE, POLYETHYLENE, IRON AND ALLOYS, COPPER AND ALLOYS, ALUMINIUM AND ALUMINIUM ALLOYS, ZINC AND ALLOYS, MILD STEEL, SODIUM NITRILE, POTASSIUM NITRILE, CHLORIDE CHROMYL, NITROSYL, PERCHLORATE, GALLIUM PERCHLORATE, TITANIUM TETRACHLORIDE, SODIUM HYPOCHLORITE, CALCIUM HYPOCHLORITE, OR PHOSPHOROUS PENTACHLORIDE REACT WITH UREA TO FORM NITROGEN TRICHLORIDE AN EXPLOSIVE COMPOUND.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
UREA	10 MG/M ³	N/A	N/A	N/A

SEE COMPOSITION INFORMATION ON INGREDIENTS; SECTION 2
ENGINEERING CONTROLS:

USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP WORKER EXPOSURE TO AIRBORNE CONTAMINANTS BELOW ANY RECOMMENDED OR STATUTORY LIMITS. THE FOLLOWING ARE THE RECOMMENDED ENGINEERING CONTROLS OR CONCENTRATIONS BELOW ANY LOWER EXPOSURE LIMITS:
USE GLOVES APPROPRIATE FOR WORK OR TASK BEING PERFORMED.
RECOMMENDED: NATURAL RUBBER (LATEX).
RESPIRATORY PROTECTION MUST BE MADE BASED ON KNOWN OR ANTICIPATED EXPOSURE LEVELS, THE HAZARDS OF THE PRODUCT AND THE SAFE WORKING LIMITS OF THE SELECTED RESPIRATOR. RECOMMENDED: USE APPROPRIATE, NIOSH APPROVED DUST RESPIRATOR IF PEL/TWA MAY BE EXCEEDED.
SAFETY EYEWEAR SHOULD BE USED WHEN THERE IS A LIKELIHOOD OF EXPOSURE.
PERSONAL PROTECTIVE EQUIPMENT FOR THE BODY SHOULD BE SELECTED BASED ON THE TASK BEING PERFORMED AND THE RISKS INVOLVED AND SHOULD BE DESIGNED TO PROTECT ALL EXPOSED SKIN SURFACES.
ENSURE THAT WASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION. WASH HANDS, FOREARMS AND FACE THOROUGHLY AFTER HANDLING CHEMICAL PRODUCTS, BEFORE EATING, SMOKING AND USING THE LAVATORY AND AT THE END OF THE WORKING PERIOD.

GLOVES/TYPE:

RESPIRATORY/TYPE:

EYE/TYPE:

CLOTHING/TYPE:

OTHER/TYPE:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: SOLID POWDER OR DRY GRANULES. APPEARANCE: WHITE POWDER.
ODOR: SLIGHT AMMONIA. ODOR THRESHOLD: 17 PPm.
PH: 7 TO 9.5 (CONC. 1%W/W); 10%
SPECIFIC GRAVITY: 0.74 G/CM³. BOILING POINT: 132°C (270°F).
COEFFICIENT OF WATER/OIL: N/A. MELTING/CRYSTALLIZING POINT: PARTIAL.
DISTRIBUTION: N/A. SOLUBILITY IN WATER: 0.08 KPA (0.64M H₂O).
EVAPORATION RATE: N/A. VAPOUR PRESSURE:

SECTION 10: STABILITY AND REACTIVITY

MOLECULAR WEIGHT: 60.06
MOLECULAR FORMULA: CO₂NH₂2

SECTION 11: STABILITY AND REACTIVITY DATA

STABILITY AND REACTIVITY:
THE PRODUCT IS STABLE. UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS REACTIONS WILL NOT OCCUR. UNDER NORMAL CONDITIONS, POLYMERIZATION WILL NOT OCCUR.
CONDITIONS TO AVOID: KEEP AWAY FROM HEAT, SPARKS AND FLAME. PROTECT FROM MOISTURE. HYPOCHLORITES CAN REACT WITH UREA TO FORM AN EXPLOSIVE COMPOUND (NITROGEN TRICHLORIDE).

HAZARDOUS DECOMPOSITION PRODUCTS:

THE PRODUCTS THAT ARE RELEASED DURING THERMAL DECOMPOSITION OF THIS MATERIAL INCLUDE AMMONIA, AMMONIUM CYANIDE, HYDROGEN CYANIDE, NITROGEN, CARBON DIOXIDE, NITROGEN DIOXIDE AND IRRITATING GASES.

SECTION 12: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: SEE SECTION 2 FOR ACUTE TOXICITY. NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS. CARCINOGENIC STATUS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS. REPRODUCTIVE EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS. MUTAGENICITY: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: DISORDERS INVOLVING ANY TAGHIT ORGANS MENTIONED IN THIS MSDS AS BEING AT RISK MAY BE AGGRAVATED BY OVEREXPOSURE TO THIS PRODUCT.

SECTION 13: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: WILL SLOWLY RELEASE AMMONIA AND DEGRADE TO NITRATE. AMMONIA IS A TOXIC HAZARD TO FISH. HOWEVER, AMMONIA RELEASE IS SLOW MAKING UREA MUCH LESS TOXIC THAN AMMONIUM SALTS. UREA WILL PROMOTE ALGAL GROWTH WHICH MAY DEGRADE WATER QUALITY AND TASTE.

ENVIRONMENTAL EXPOSURE CONTROLS:

EMISSIONS FROM VENTILATION OR WORK PROCESS EQUIPMENT SHOULD BE CHECKED TO ENSURE THEY COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION LEGISLATION. IN SOME CASES, FUME SCRUBBERS, FILTERS OR ENGINEERING MODIFICATIONS TO THE PROCESS EQUIPMENT WILL BE NECESSARY TO REDUCE EMISSIONS TO ACCEPTABLE LEVELS.

ECOTOXICOLOGICAL:

ACUTE LC50: 1000 MG/L (FRESH WATER)
ACUTE LC50: 5000 UGA (FRESH WATER)
OTHER ADVERSE EFFECT: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

SECTION 14: DISPOSAL INFORMATION

HANDLING FOR DISPOSAL: THE GENERATION OF WASTE SHOULD BE AVOIDED OR MINIMIZED WHEREVER POSSIBLE. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY. AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWER. EMPTY CONTAINERS OR LINERS MAY RETAIN SOME PRODUCT RESIDUES.
WASTE DISPOSAL: DISPOSE OF SURPLUS AND NON-RECYCLABLE PRODUCTS VIA A LICENSED WASTE DISPOSAL CONTRACTOR.

SECTION 15: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: UREA, GRANULAR
TDG CLASSIFICATION: NOT REGULATED

SECTION 16: REGULATORY INFORMATION

WHMIS CLASSIFICATION: NOT CONTROLLED UNDER WHMIS

SECTION 17: OTHER INFORMATION

LEGEND: ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS #: CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
LC: EFFECTIVE CONCENTRATION
PC: PERCENTAGE
N/A: NOT AVAILABLE
N/A: NOT AVAILABLE
NIOSH: NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION



KENCRO CHEMICALS

SODIUM BISULPHITE

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIER: SODIUM BISULPHITE
PRODUCT USE: REFER TO TECHNICAL LITERATURE
CHEMICAL FAMILY: BISULPHITE, SODIUM SALT
SUPPLIER'S NAME AND ADDRESS: KENCRO CHEMICALS LIMITED
 2172 WYCHROFT RD., UNIT #4
 OAKVILLE, ON
 L6L 5V6
 905-827-4133
 613-996-0669 (CAN/TIC)

24 HR. EMERGENCY NUMBER:

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	C.A.S. #	WT.%	LC50
SODIUM BISULPHITE	7631-90-5	30 - 60	N/A
			LD50 (ORAL, RAT) 142mg/kg

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

CAUSES SKIN AND EYE BURNS
 MAY BE FATAL IF SWALLOWED OR INHALED
 MAY CAUSE SENSITIZATION BY INHALATION.

SIGNS AND SYMPTOMS OF SHORT-TERM EXPOSURE:
 CAUSES CHEMICAL BURNS. SYMPTOMS OF SKIN IRRITATION ARE: REDDENING, SWELLING, RASH, SCALING OR BUBBLING.

SKIN CONTACT:
 CAUSES CHEMICAL BURNS. MAY CAUSE BLINDNESS. VAPOURS MAY CAUSE IRRITATION TO EYES, REDNESS AND PAIN. MAY CAUSE CORNEAL DAMAGE AND CONJUNCTIVITIS.

INHALATION:
 MAY CAUSE RESPIRATORY TRACT IRRITATION TO THE NOSE AND THROAT. SULPHUR DIOXIDE GIVEN OFF BY THIS PRODUCT HAS BEEN SHOWN TO CAUSE BREATHING DIFFICULTIES IN ASTHMATICS.

INGESTION:
 HARMFUL IF SWALLOWED. MAY CAUSE CHEMICAL BURNS TO MOUTH, THROAT AND STOMACH. INGESTION OF LARGE AMOUNTS MAY CAUSE NAUSEA, GASTROINTESTINAL UPSET AND ABDOMINAL PAIN. MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, NAUSEA AND VOMITING, DIARRHEA AND VIOLENT COLIC.

POTENTIAL CHRONIC HEALTH EFFECTS:
 PROLONGED OR REPEATED EXPOSURE TO DILUTIONS CAN CAUSE DRYING, IRRITATING AND DERMATITIS. BREATHING OF FUMES MAY AGGRAVATE ACUTE OR CHRONIC ASTHMA AND CHRONIC PULMONARY DISEASES SUCH AS EMPHYSEMA AND BRONCHITIS.

OTHER IMPORTANT HAZARDS:
 THE PRODUCTS CAUSES BURNS OF THE EYES, SKIN AND MUCOUS MEMBRANES.

GENERAL: SYMPTOMS MAY BE DELAYED

INHALATION: IF SYMPTOMS DEVELOP, MOVE VICTIM TO FRESH AIR. IF SYMPTOMS PERSIST, OBTAIN MEDICAL ATTENTION.

SKIN CONTACT: IMMEDIATELY WASH WITH COOL WATER FOR 20 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. DISCARD OR WASH WELL BEFORE REUSE. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS. DO NOT TRANSPORT UNLESS FLUSHING PERIOD IS COMPLETED OR CAN BE CONTINUED.

EYE CONTACT: IMMEDIATELY FLUSH WITH COOL WATER. REMOVE CONTACT LENSES, IF APPLICABLE, AND CONTINUE FLUSHING FOR 20 MINUTES. HOLD EYELIDS OPEN DURING FLUSHING. OBTAIN MEDICAL ATTENTION IMMEDIATELY. DO NOT TRANSPORT UNLESS FLUSHING PERIOD IS COMPLETED OR CAN BE CONTINUED.

INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER, THEN DRINK ONE OR TWO GLASSES OF WATER. OBTAIN MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS, OR IS CONVULSING.

NOTES TO PHYSICIANS:

IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE). IF THE MATERIAL IS ON YOUR SKIN, REMOVE IT AS SOON AS POSSIBLE. IF THE MATERIAL IS INVOLVED IN TAKE PRECAUTIONS TO PROTECT YOURSELVES. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. AVOID CONTACT WITH EYES AND SKIN. WEAR IMPERVIOUS GLOVES AND CHEMICAL SPLASH GOGGLES. KEEP OUT OF REACH OF CHILDREN.

SECTION 4: FIRE AND EXPLOSION HAZARDS

FIRE HAZARD/CONDITION OF FLAMMABILITY:
 NOT FLAMMABLE BY CANADIAN CRITERIA.

FLASH POINT: N/A

FLASH POINT METHOD: N/A

LOWER FLAMMABLE LIMIT: N/A

UPPER FLAMMABLE LIMIT: N/A

OXIDIZING PROPERTIES: NONE KNOWN

FLAME PROJECTION LENGTH: N/A

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT/STATIC DISCHARGE: NOT AVAILABLE.

SUITABLE EXTINGUISHING MEDIA: TREAT FOR SURROUNDING MATERIAL. FOR SMALL FIRES USE DRY CHEMICAL OR CARBON DIOXIDE. FOR LARGE FIRES, FLOOD FIRE AREA WITH WATER. DO NOT GET SOLID STREAM ON WATER OR SOLID SURFACES.

SPECIAL FIRE-FIGHTING INFORMATION: FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING SELF-CONTAINED BREATHING APPARATUS. EVACUATE RESIDENTS WHO ARE DOWNWIND OF FIRE. PREVENT UNAUTHORIZED ENTRY INTO FIRE AREA. DIRTY ASHA TO CONTAIN RUNOFF AND PREVENT CONTAMINATION OF WATER SOURCES. NEUTRALIZE RUNOFF WITH LIME. SODA ASH OR OTHER SUITABLE NEUTRALIZING AGENTS. COOL CONTAINERS THAT ARE EXPOSED TO FLAME WITH STREAMS OF WATER UNTIL FIRE IS OUT.

HAZARDOUS COMBUSTION PRODUCTS: MAY INCLUDE AND ARE NOT LIMITED TO: SULPHUR DIOXIDE GAS.

SECTION 5: ACCIDENTAL RELEASE PROCEDURES

LEAK AND SPILL PROCEDURES: KEEP UNNECESSARY PERSONNEL AWAY. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. DO NOT TOUCH DAMAGED CONTAINERS OR SPILLED MATERIAL UNLESS WEARING APPROPRIATE PROTECTIVE CLOTHING. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS. SHOULD NOT BE RELEASED INTO THE ENVIRONMENT. BEFORE ATTEMPTING CLEAN UP, REFER TO HAZARD DATA GIVEN ABOVE. SMALL SPILLS MAY BE ABSORBED WITH NON-REACTIVE ABSORBENT AND PLACED IN SUITABLE COVERED LABELED CONTAINERS. REFER TO LARGER LABELS FROM SHIPPING CONTAINERS FOR CONTACT INFORMATION, SIGNS, AND SUPPLIER FOR ADVICE. NEVER RETURN SPILLS IN ORIGINAL CONTAINERS FOR RE-USE.

SECTION 6: REGULATORY INFORMATION

SAFE HANDLING PROCEDURES: USE GOOD INDUSTRIAL HYGIENE PRACTICES IN HANDLING THIS MATERIAL. DO NOT GET THIS MATERIAL IN YOUR EYES, ON YOUR SKIN, OR ON YOUR CLOTHING. AVOID BREATHING VAPOURS OR MISTS OF THIS PRODUCT.

STORAGE REQUIREMENTS:

KEEP OUT OF REACH OF CHILDREN. STORE IN A TIGHTLY CLOSED CONTAINER IN A COOL, DRY AND DARK PLACE AWAY FROM INCOMPATIBLE MATERIALS.
 INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS, ACIDS

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	NAV
SODIUM DISULFIDE	5mg/m ³	NAV	NAV	NAV

SEE COMMENTS FOR INFORMATION ON INGREDIENTS, SECTION 1
 ENGINEERING CONTROLS:

USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

GLOVES/TYPE: IMPERVIOUS GLOVES SUCH AS NITRILE, NATURAL RUBBER OR PVC. CONFIRM WITH SUPPLIER FIRST.

RESPIRATORY/TYPE: IF AIRBORNE CONCENTRATIONS ARE ABOVE THE APPLICABLE EXPOSURE LIMITS, USE MOST APPROVED RESPIRATORY PROTECTION.
EYE/TYPE: WEAR CHEMICAL GOGGLES AND FACE SHIELD IF VAPOUR EXPOSURE CAUSES IRRITATION. USE FULL FACE RESPIRATOR. WEAR A FACE SHIELD WHICH ALLOWS USE OF CHEMICAL GOGGLES OR A FULL FACE RESPIRATOR TO PROTECT FACE AND EYES WHEN THERE IS A RISK OF SPLASHES.

FOOTWEAR/TYPE: WEAR PROTECTED FOOTWEAR.

CLOTHING/TYPE: USE OF AN IMPERVIOUS GARMENT RECOMMENDED.
OTHER/TYPE: EYE WASH, SHOWER AND SAFETY SHELTER MUST BE LOCATED IN IMMEDIATE WORK AREA. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WHEN USING DO NOT EAT OR DRINK. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THIS PRODUCT.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID
ODOUR: SULFIDE
PH: 1.8 - 4.4
SPECIFIC GRAVITY: 1.33 @ 25 C
DISTRIBUTION: N/A/P
EVAPORATION RATE: N/A/P
MOLECULAR WEIGHT: 104.06
MOLECULAR FORMULA: Na₂S₂

SECTION 10: STABILITY AND REACTIVITY DATA

STABILITY AND REACTIVITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
CONDITIONS TO AVOID: (X) NOT MIX WITH OTHER CHEMICALS. INCOMPATIBLE MATERIALS INCLUDE: STRONG OXIDIZING AGENTS AND ACIDS. HIGH TEMPERATURES, SPARKS, OPEN FLAMES & ALL SOURCES OF IGNITION. TEMPERATURES AT OR NEAR BOILING POINT CAUSE EVOLUTION OF SULPHUR DIOXIDE. SULPHUR DIOXIDE WILL EVOLVE SLOWLY AT AMBIENT TEMPERATURES.

HAZARDOUS DECOMPOSITION PRODUCTS: SO₂, S, S₂, S₂O₂, S₂O₃, S₂O₄, S₂O₆, S₂O₈, S₂O₁₀, S₂O₁₂, S₂O₁₄, S₂O₁₆, S₂O₁₈, S₂O₂₀, S₂O₂₂, S₂O₂₄, S₂O₂₆, S₂O₂₈, S₂O₃₀, S₂O₃₂, S₂O₃₄, S₂O₃₆, S₂O₃₈, S₂O₄₀, S₂O₄₂, S₂O₄₄, S₂O₄₆, S₂O₄₈, S₂O₅₀, S₂O₅₂, S₂O₅₄, S₂O₅₆, S₂O₅₈, S₂O₆₀, S₂O₆₂, S₂O₆₄, S₂O₆₆, S₂O₆₈, S₂O₇₀, S₂O₇₂, S₂O₇₄, S₂O₇₆, S₂O₇₈, S₂O₈₀, S₂O₈₂, S₂O₈₄, S₂O₈₆, S₂O₈₈, S₂O₉₀, S₂O₉₂, S₂O₉₄, S₂O₉₆, S₂O₉₈, S₂O₁₀₀, S₂O₁₀₂, S₂O₁₀₄, S₂O₁₀₆, S₂O₁₀₈, S₂O₁₁₀, S₂O₁₁₂, S₂O₁₁₄, S₂O₁₁₆, S₂O₁₁₈, S₂O₁₂₀, S₂O₁₂₂, S₂O₁₂₄, S₂O₁₂₆, S₂O₁₂₈, S₂O₁₃₀, S₂O₁₃₂, S₂O₁₃₄, S₂O₁₃₆, S₂O₁₃₈, S₂O₁₄₀, S₂O₁₄₂, S₂O₁₄₄, S₂O₁₄₆, S₂O₁₄₈, S₂O₁₅₀, S₂O₁₅₂, S₂O₁₅₄, S₂O₁₅₆, S₂O₁₅₈, S₂O₁₆₀, S₂O₁₆₂, S₂O₁₆₄, S₂O₁₆₆, S₂O₁₆₈, S₂O₁₇₀, S₂O₁₇₂, S₂O₁₇₄, S₂O₁₇₆, S₂O₁₇₈, S₂O₁₈₀, S₂O₁₈₂, S₂O₁₈₄, S₂O₁₈₆, S₂O₁₈₈, S₂O₁₉₀, S₂O₁₉₂, S₂O₁₉₄, S₂O₁₉₆, S₂O₁₉₈, S₂O₂₀₀, S₂O₂₀₂, S₂O₂₀₄, S₂O₂₀₆, S₂O₂₀₈, S₂O₂₁₀, S₂O₂₁₂, S₂O₂₁₄, S₂O₂₁₆, S₂O₂₁₈, S₂O₂₂₀, S₂O₂₂₂, S₂O₂₂₄, S₂O₂₂₆, S₂O₂₂₈, S₂O₂₃₀, S₂O₂₃₂, S₂O₂₃₄, S₂O₂₃₆, S₂O₂₃₈, S₂O₂₄₀, S₂O₂₄₂, S₂O₂₄₄, S₂O₂₄₆, S₂O₂₄₈, S₂O₂₅₀, 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KENCRO CHEMICALS

SODIUM HYPOCHLORITE SOLUTION

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIER: SODIUM HYPOCHLORITE SOLUTION
PRODUCT USE: DISINFECTION, ODOR CONTROL, LAUNDRY, WATER, SEWAGE AND INDUSTRIAL WASTE TREATMENT, HARD SURFACE CLEANER AND BRIGHTENER
CHEMICAL FAMILY: CHLORITE
SUPPLIER'S NAME AND ADDRESS: KENCRO CHEMICALS LIMITED
 2172 WYCKROFT RD., UNIT 44
 OAKVILLE, ON
 L6H 3V6
 905-827-4113
 (613)-966-6666 (CANITIC)

24 HR. EMERGENCY NUMBER: 905-827-4113
 (613)-966-6666 (CANITIC)

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	C.A.S.#	WT%	LC50	LD50	(ORAL, RAT)
SODIUM HYPOCHLORITE	7681-52-9	7-13	N/A	3-5 g/kg	

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
 GREENISH YELLOW SOLUTION
 OXIDIZER, REACTIVE, CORROSIVE.
 MODERATE TO SEVERE IRRITANCY. WILL CAUSE IRRITATION AND PAIN TO SKIN AND EYES.

SIGNS AND SYMPTOMS OF SHORT-TERM EXPOSURE:
 WILL CAUSE MODERATE IRRITATION TO SKIN. CAN CAUSE BURNS AND BLISTERS. PROLONGED REPEATED SKIN CONTACT WITH SOLUTIONS CONTAINING AS LITTLE AS 4.0% SODIUM HYPOCHLORITE CAN CAUSE ALLERGIC CONTACT DERMATITIS. SYMPTOMS INCLUDE CHRONIC, ITCHY ECZEMA.
SKIN ABSORPTION: MODERATE TO SEVERE IRRITATION.
EYE CONTACT: MODERATE TO SEVERE IRRITATION. DAMAGE WHICH MAY BE REVERSIBLE.
INITIATION: MUST CAN IRRITATE THE NOSE AND THROAT. FUMES MAY IRRITATE MUCOUS MEMBRANES AND CAUSE COUGHING OR PULMONARY EDEMA. EXPOSURE TO HIGH LEVELS OF CHLORINE GAS MAY RESULT IN SEVERE LUNG DAMAGE.
INGESTION: IF INGESTED, PRODUCT WILL CAUSE MEMBRANE IRRITATION AND PAIN AND INFLAMMATION TO DIGESTIVE TRACT. COULD CAUSE VOMITING AND SHOCK.
 HYPOCHLORITE SOLUTIONS RELEASE HYPOCHLOROUS ACID ON CONTACT WITH GASTRIC JUICES, AND INGESTION MAY ALSO CAUSE EDEMA OF THE PHARYNX AND LARYNX, REDUCED BLOOD PRESSURE, DELIRIUM AND COMA MAY OCCUR.
POTENTIAL CHRONIC HEALTH EFFECTS: PROLONGED OR REPEATED CONTACT WITH DILUTE SOLUTIONS MAY BLEACH SKIN OR CAUSE DERMATITIS.

SECTION 4: FIRST AID MEASURES

INHALATION: IF INHALED, REMOVE VICTIM TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION ONLY IF BREATHING HAS STOPPED. DO NOT USE MOUTH-TO-MOUTH IF VICTIM INGESTED OR MASKED. IF SUBSTANCE INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER APPROPRIATE RESPIRATORY MEDICAL DEVICE. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND IMMEDIATELY RINSE WITH RUNNING WATER FOR A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS, REPEAT FLUSHING. DISCARD HEAVILY CONTAMINATED CLOTHING AND SHOES IN A MANNER WHICH LIMITS FURTHER EXPOSURE. OTHERWISE, WASH CLOTHING SEPARATELY BEFORE REUSE. CALL A PHYSICIAN IF IRRITATION IMMEDIATELY FLUSH WITH PLENTY OF RUNNING WATER. HOLDING EYELIDS OPEN FOR A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS, REPEAT FLUSHING. DO NOT TRANSPORT VICTIM UNTIL THE RECOMMENDED FLUSHING PERIOD IS COMPLETED. INJESS FLUSHING CAN BE CONTINUED DURING TRANSPORT. CALL A PHYSICIAN IF IRRITATION PERSISTS. DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER, AND THEN DRINK ONE GLASS OF WATER. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS OR RAPIDLY LOSING CONSCIOUSNESS OR IS CONVULSING. IF SPONTANEOUS VOMITING OCCURS, HAVE VICTIM LEAN FORWARD WITH HEAD DOWN TO AVOID BREATHING IN OF VOMITUS. RINSE MOUTH AND ADMINISTER MORE WATER.

EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF RUNNING WATER. HOLDING EYELIDS OPEN FOR A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS, REPEAT FLUSHING. DO NOT TRANSPORT VICTIM UNTIL THE RECOMMENDED FLUSHING PERIOD IS COMPLETED. INJESS FLUSHING CAN BE CONTINUED DURING TRANSPORT. CALL A PHYSICIAN IF IRRITATION PERSISTS. DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER, AND THEN DRINK ONE GLASS OF WATER. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS OR RAPIDLY LOSING CONSCIOUSNESS OR IS CONVULSING. IF SPONTANEOUS VOMITING OCCURS, HAVE VICTIM LEAN FORWARD WITH HEAD DOWN TO AVOID BREATHING IN OF VOMITUS. RINSE MOUTH AND ADMINISTER MORE WATER.

INGESTION: IMMEDIATELY FLUSH WITH PLENTY OF RUNNING WATER. HOLDING EYELIDS OPEN FOR A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS, REPEAT FLUSHING. DO NOT TRANSPORT VICTIM UNTIL THE RECOMMENDED FLUSHING PERIOD IS COMPLETED. INJESS FLUSHING CAN BE CONTINUED DURING TRANSPORT. CALL A PHYSICIAN IF IRRITATION PERSISTS. DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER, AND THEN DRINK ONE GLASS OF WATER. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS OR RAPIDLY LOSING CONSCIOUSNESS OR IS CONVULSING. IF SPONTANEOUS VOMITING OCCURS, HAVE VICTIM LEAN FORWARD WITH HEAD DOWN TO AVOID BREATHING IN OF VOMITUS. RINSE MOUTH AND ADMINISTER MORE WATER.

NOTES TO PHYSICIAN: PROBABLE MUCOUS DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.
SECTION 5: FIRE FIGHTING MEASURES

FIRE HAZARD/CONDITION OF FLAMMABILITY: NONE
 NOT FLAMMABLE.
FLASH POINT: NONE
FLASH POINT METHOD: N/A
LOWER FLAMMABLE LIMIT: N/A
(% BY VOL.): N/A
UPPER FLAMMABLE LIMIT: N/A
(% BY VOL.): N/A
OXIDIZING PROPERTIES: N/A
EXPOSURE DATA: N/A
EXPLOSION DATA: N/A
SUITABLE EXTINGUISHING MEDIA: PHOSPHATE AMMONIUM TYPE EXTINGUISHERS. DO NOT USE DRYING AMMONIUM PHOSPHATE AMMONIUM TYPE EXTINGUISHERS DIRECTLY ON THIS PRODUCT. FOR LARGE FIRES USE AN ALL PURPOSE TYPE AFFF ALCOHOL FOAM RESISTANT MEDIUM EXPANSION ACCORDING TO FOAM MANUFACTURER'S RECOMMENDED TECHNIQUES. THE FOAM SUPPLIER SHOULD BE CONSULTED FOR RECOMMENDATIONS REGARDING FOAM TYPES AND DELIVERY RATES FOR SPECIFIC APPLICATIONS.

SPECIAL FIRE-FIGHTING PROCEDURES/EQUIPMENT: IF INVOLVED IN FIRE, USE WATER OR CARBON DIOXIDE. DO NOT USE DRYING AMMONIUM PHOSPHATE AMMONIUM TYPE EXTINGUISHERS DIRECTLY ON THIS PRODUCT. FOR LARGE FIRES USE AN ALL PURPOSE TYPE AFFF ALCOHOL FOAM RESISTANT MEDIUM EXPANSION ACCORDING TO FOAM MANUFACTURER'S RECOMMENDED TECHNIQUES. THE FOAM SUPPLIER SHOULD BE CONSULTED FOR RECOMMENDATIONS REGARDING FOAM TYPES AND DELIVERY RATES FOR SPECIFIC APPLICATIONS.

HAZARDOUS COMBUSTION PRODUCTS: USE WATER TO COOL CONTAINERS EXPOSED TO FIRE. FULL PROTECTION EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN. REMOVE STORAGE VESSELS FROM FIRE ZONE IF POSSIBLE.
 CHLORINE

SECTION 6: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES: RESTRICT ACCESS TO THE AFFECTED AREA. USE PERSONAL PROTECTIVE EQUIPMENT. KEEP PEOPLE AWAY AND UPWIND OF THE SPILL OR LEAK. PREVENT PRODUCT FROM ENTERING DRAINAGE SYSTEMS. USE CLEANING/SPARKING TOOLS TO COLLECT MATERIAL AND INCINERATE IT. LOOSELY COVERED PLASTIC CONTAINERS FOR LATER DISPOSAL. FOR LARGE SPILLS CONTACT THE SUPPLIER. VAPOURS MAY BE SUPPRESSED BY USE OF A WATER FOG. RUN-OFF MUST BE CAPTURED FOR TREATMENT AND DISPOSAL. WILL FORM HAZARDOUS REACTION PRODUCTS.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PROCEDURES: AVOID BREATHING VAPOURS. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM INCOMPATIBLES. AVOID GENERATING MIST. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES. USE CORROSIVE-RESISTANT TRANSFER EQUIPMENT WHEN DISPENSING.

STORAGE REQUIREMENTS: PERSONNEL USING THIS PRODUCT SHOULD BE TRAINED ON ITS HAZARDS. STORE PRODUCT AT -10 TO 30 C AND AWAY FROM SUNLIGHT OR HIGH TEMPERATURES IN A COOL, SHADDED AREA. DO NOT STORE ABOVE 30 C AND KEEP FROM FREEZING. KEEP CONTAINER CLOSED WHEN NOT IN USE. VENT CAPS SHOULD BE CHECKED WITH FULL PERSONAL PROTECTION.

INCOMPATIBLE MATERIALS:

MAY REACT VIOLENTLY WITH STRONG ACIDS PRODUCING CHLORINE GAS, WHICH IS TOXIC. OTHER INCOMPATIBILITIES INCLUDE ORGANIC MATERIAL, CHLORINE, OXIDIZABLE MATERIALS, AMMONIA, UREA, AMMONIUM SALTS, ETHYLENEGLYCOL, CYANIDES, NITROGEN DIOXIDE, HYDROGEN SULFIDE AND METAL OXIDES. REACTS WITH METALS TO PRODUCE FLAMMABLE HYDROGEN GAS.

SECTION 5: CONTROL AND PREPARATION

SEE COMPOSITION INFORMATION ON INGREDIENTS, SECTION 2.

ENGINEERING CONTROLS:

USE LOCAL EXHAUST VENTILATION TO MAINTAIN LEVELS BELOW THE PEL. VENTILATE EXHAUSTS TO AVOID EXHAUSTION. EXHAUSTION SHOULD BE APPLIED WHEREVER THERE IS AN OCCASIONAL EXHAUSTION. USE OF LOCAL EXHAUSTION OR REGULATED CONTAMINANTS IN THE WORK AREA. SMOKING SHOULD BE PROHIBITED IN AREAS IN WHICH SODIUM HYPOCHLORITE IS STORED OR HANDLED. WEAR CHEMICAL OR RUBBER GLOVES. NIOSH/MSHA APPROVED AIR-PURIFYING RESPIRATOR EQUIPPED WITH ACID MIST CARTRIDGES FOR CONCENTRATIONS UP TO 10 TIMES THE TLV. USE A SUPPLIED AIR RESPIRATOR IF CONCENTRATIONS ARE HIGHER OR UNKNOWN. USE CHEMICAL SAFETY GOGGLES AND FACE SHIELD WHEN THERE IS POTENTIAL FOR EYE CONTACT. MAINTAIN EYE WASH FOUNTAIN AND QUICK DRENCH FACILITIES IN WORK AREA. NITROGEN OR RUBBER BOOTS. RUBBER AROM. LAB COAT, RAIN JACKET, PANTS OR OVERALLS AS APPROPRIATE. STORE IN WASH STATIONS INSTALLED IN HANDLING AND STORAGE AREAS.

GLOVES/TYPE:

RESPIRATOR/TYPE:

EYE/TYPE:

FOOTWEAR/TYPE:

CLOTHING/TYPE:

OTHER/TYPE:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID
APPEARANCE: GREENISH-YELLOW SOLUTION
ODOUR: CHLORINE LIKE, PINKENT
ODOUR THRESHOLD: NO DATA
BOILING POINT: DECOMPOSES ON HEATING
PHE: 12-14
MELTING/FREEZING POINT: -50 C
SPECIFIC GRAVITY: 1.168
SOLUBILITY IN WATER: MISCIBLE
DISTRIBUTION: N/A
ASPHOR DENSITY (AIR=1): N/A
EVAPORATION RATE: N/A
VAPOUR PRESSURE (mmHg) at 20°C: 22
MOLECULAR WEIGHT: 74.4
MOLECULAR FORMULA: NiOCl

SECTION 10: STABILITY AND REACTIVITY DATA

STABILITY AND REACTIVITY: STABLE AT ROOM TEMPERATURE. UNSTABLE ABOVE 46°C. SOLIDITY AND CONTACT WITH METALS MAY PRODUCE CHLORINE GAS. STORE IN DARK, COOL, DRY PLACE. DO NOT STORE ABOVE 30°C. DO NOT ALLOW SOLUTIONS TO EVAPORATE. DRY. KEEP AWAY FROM INCOMPATIBLES.

HAZARDOUS DECOMPOSITION PRODUCTS:

CHLORINE GAS, THERMAL DECOMPOSITION: CHLORINE, SODIUM OXIDE, OXYGEN, OXIDES OF CHLORINE, SODIUM CHLORATE AND HYDROGEN.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: REFER TO SIGNS AND SYMPTOMS OF SHORT TERM EXPOSURE, SECTION 3.
CARCINOGENIC STATUS: NOT BY IARC OR ACSHI. NOT REGULATED BY OSHA AND NOT LISTED BY NTP.
REPRODUCTIVE EFFECTS: N/A
TERATOGENICITY: N/A
MUTAGENICITY: NOT ESTABLISHED
SENSITIZATION TO MATERIAL: N/A

SYNERGISTIC MATERIALS: NONE.

ADDITIONAL HEALTH HAZARDS: N/A.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: PRODUCT SHOULD NOT BE ALLOWED TO ENTER DRAINS OR WATER COURSES, OR BE DEPOSITED WHERE IT CAN AFFECT GROUND OR SURFACE WATERS.

IMPORTANT ENVIRONMENTAL CHARACTERISTICS:

NO INFORMATION AVAILABLE.
HARMFUL TO AQUATIC LIFE. AQUATIC TOXICITY: APPROXIMATELY 0.6 mg/l (BLUBGILL); APPROXIMATELY 1 mg/l (DAPIFIA, 48 HOURS); 1.250 mg/l (EMERPHALS PROMELAS (AT HEAD MINNOW), 140 mg/l); EXPOSURE TIME: 96 HOURS.

SECTION 13: DISPOSAL CONSIDERATIONS

HANDLING FOR DISPOSAL: MAY BE POSSIBLE TO NEUTRALIZE, FLUSH AND DISPENSE. DO NOT DISPOSE OF WASTE WITH NORMAL GARBAGE OR TO SEWER SYSTEMS.
METHOD OF DISPOSAL: DISPOSE IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL HAZARDOUS WASTE LAWS.

SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: HYPOCHLORITE SOLUTION
TDG CLASSIFICATION: CLASS 8, UN1791, PACKING GROUP III

SECTION 15: REGULATORY INFORMATION

WITMS CLASSIFICATION: CLASS C, CLASS F, CORROSIVE MATERIAL.

SECTION 16: OTHER INFORMATION

LEGEND: ACSHI AMERICAN CONFERENCE OF GOVERNMENTAL, INDUSTRIAL HYGIENISTS
AFFF AQUEOUS FLAM FORMING FOAM
CAS # CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
IARC INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
LC LETHAL CONCENTRATION
LD LETHAL DOSE
MSHA MINISTRY OF HEALTH ADMINISTRATION
N/A NOT APPLICABLE
NIOSH NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NTP NATIONAL TOXICOLOGY PROGRAM
OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
TDG TRANSPORTATION OF DANGEROUS GOODS REGULATIONS
TLV THRESHOLD LIMIT VALUE
WITMS WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

PREPARED BY:

KENRO CHEMICALS LIMITED
TEL: 905-877-4103
FAX: 905-877-4165

MSDS PREPARATION DATE:

(DDMMYYYY)
01/06/2011

DISCLAIMER OF LIABILITY

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NOISE SCREENING PROCESS FOR S.9 APPLICATIONS SUPPLEMENT TO APPLICATION FOR APPROVAL

In order to obtain an approval under Section 9 of the EPA, applicants are, as a minimum, required to assess and document the impacts of all noise emissions from their facility on any noise sensitive locations defined as a Point of Reception. In order to facilitate this assessment, the ministry has developed a Noise Screening Process.

The Noise Screening Process has been developed for mining, utilities and manufacturing operations that are being reviewed by the Air and Noise Unit of the Environmental Assessment and Approvals Branch. Other facilities that require Section 9 approval can not use this Noise Screening Process. Applications for equipment identified as candidates for the Streamline Review Unit (SRU) should not complete this process, rather they should follow specific directions from the SRU. For more information about the types of applications that may be reviewed by the SRU, please refer to the Guide to Applying for Approval (Air & Noise) dated February, 2005.

The Noise Screening Process consists of the following Steps:

- | | |
|---------|---|
| Step 1: | Identify the closest Point of Reception to the facility. (Zoning Plan) |
| Step 2: | Determine the actual separation distance from the Point of Reception to the facility. (Scaled Area Location Plan) |
| Step 3: | Calculate the minimum required separation distance by completing the questionnaire on using the facility's North American Industrial Classification System Code and generic assumptions regarding the actual noise sources present at the facility. |
| Step 4: | Compare the actual separation distance determined in Step 2 with the minimum required separation distance calculated in Step 3 and sign the form. |

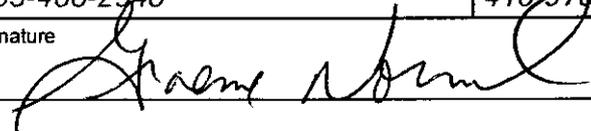
The Noise Screening Process is based on the fact that the noise emissions from any noise sources at a facility will not exceed ministry noise guidelines at the closest Point of Reception provided there is a sufficient separation distance between the facility's noise sources and the Point of Reception. Using conservative assumptions regarding the likely noise sources present at a facility, a procedure was developed for calculating the minimum required separation distance to achieve compliance with the ministry noise guidelines. If the actual separation distance from the facility to the closest Point of Reception is greater than the calculated minimum required separation distance, then no further action is required. The signed Noise Screening Process form would provide sufficient supporting information for the noise assessment required by the application process.

If the closest Point of Reception is closer than the minimum required separation distance calculated in Step 3 then further assessment is required. The application may still be approved as proposed and noise control measures may not be necessary; however, a more detailed noise impact assessment using site specific information on the noise sources present at the facility must be completed. The Zoning Plan and Scaled Area Location Plan required by the Noise Screening Process will form part of the required assessment outlined in the ministry publication NPC 233 "Information to be Submitted for Approval of Stationary Sources of Sound." See the Guide to Applying for Approval (Air and Noise) dated February, 2005 for more information on the minimum required supporting information to be included with an application that is unable to pass the Noise Screening Process.

1. Applicant Information

Company Name Kencro Chemicals Ltd.	Site Name	North American Industry Classification System (NAICS) Code 325188
Site Address - Street information (applies to an address that has civic numbering and street information - includes street number, name, type and direction) 2192 Wycroft		Unit Identifier (identifies type of unit, such as suite & number)
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)		
Non Address Information (includes any additional information to clarify clients' physical location)		
Municipality/Unorganized Township Oakville	County/District Halton-Peel	Postal Code L6L 6R1

2. Noise Screening Process (please refer to the attached Noise Screening Process – Information & Instructions)

Step 1 Identify Closest Point of Reception (POR) (attach Land Use Zoning Designation Plan) POR Description <u>Residential</u> POR Acoustical Class (as per NPC-205 & NPC-232) <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3		
Step 2 Determine Actual Separation Distance (attach Scaled Area Location Plan) <u>600</u> m		
Step 3 Calculate Minimum Separation Distance (complete attached Noise Screening Process Questionnaire) <u>300</u> m		
Step 4 By signing this statement you are verifying that: I am the applicant or have been retained by the applicant, for the purposes of completing this Noise Screening Process: - The closest Point of Reception has been identified and the Land Use Zoning Designation Plan provided by the Local Municipality is attached (Step 1); A Scaled Area Location Plan, prepared by myself, that identifies the facility, the closest Point of Reception and the actual minimum separation distance is attached (Step 2); - I have accurately completed the Noise Screening Process questionnaire and identified all noise sources as required (Step 3); The actual separation distance from the facility to the closest Point of Reception, as determined in Steps 1 and 2, is greater than the minimum required separation distance determined in Step 3; and - The facility belongs to one of the sectors for which the ministry has indicated the Noise Screening Process is applicable.		
Name of Signing Authority (please print) Graeme Norval	Title: Consultant	Company: (if different from the Applicant) GWN Chemical Consulting
Civic Address - Street information (includes street number, name, type and direction) <input type="checkbox"/> Same as Site Address 2009 Grenville Drive		Unit Identifier (identifies type of unit, such as suite & number)
Municipality Oakville	Postal Station	Province/State Ontario
		Country Canada
		Postal Code L6H 3Z3
Telephone Number (including area code & extension) 905-466-2940	Fax Number (including area code) 416-978-8605	E-mail Address graeme.norval@sympatico.ca
Signature 		Date (y/m/d) 2011/12/04

Noise Screening Process Questionnaire

Question 1

1 (a) - Is your facility NAICS Code Listed on Table 1.1 below?

Table 1.1 Industry with significant noise sources		
NAICS Code	Industry	Check all That Apply
21	Mining and Oil and Gas Extraction	<input type="checkbox"/>
22111	Electrical Power Generation	<input type="checkbox"/>
324	Petroleum and Coal Products Manufacturing	<input type="checkbox"/>
3251	Basic Chemical Manufacturing	<input type="checkbox"/>
32731	Cement Manufacturing	<input type="checkbox"/>
32741	Lime Manufacturing	<input type="checkbox"/>
3311	Iron and Steel Mills and Ferro-Alloy Manufacturing	<input type="checkbox"/>
3313	Alumina and Aluminium Production and Processing	<input type="checkbox"/>

1 (b) - Is any of the following equipment Listed on Table 1.2 below present at the facility?

Table 1.2 Equipment with significant noise emissions	
Equipment	Check all That Apply
Flares	<input type="checkbox"/>
Gas Turbines, Cogeneration Facilities or any other continuous or peak shaving electrical power generation equipment	<input type="checkbox"/>
Arc Furnaces	<input type="checkbox"/>
Asphalt Plants	<input type="checkbox"/>
High velocity or pressure atmospheric vents such as Gas Process Blow Down Devices	<input type="checkbox"/>
Rock, Concrete or Aggregate Crushing Operations	<input type="checkbox"/>
Individual Fans with flow rates in excess of 47 m ³ /s	<input type="checkbox"/>
Individual Pressure Blowers or Positive Displacement Blowers with static pressures in excess of 1.25 kilopascal	<input type="checkbox"/>

Did you answer "Yes" to Question 1(a) or 1 (b)?

Yes

No

If Yes, the minimum required separation distance is 1,000 m.

You have completed Step 3 of the Noise Screening Process, proceed to Step 4.

If No, proceed to Question 2

Proceed to Question 2

Question 2

2 - Is your facility NAICS Code Listed on Table 2 below?

Table 2 Industries with a 500 m Radius		
NAICS Code	Industry	Check all That Apply
22112	Electrical Power Transmission, Control and Distribution	<input type="checkbox"/>
2213	Water Sewage and Other Systems	<input type="checkbox"/>
321	Wood Product Manufacturing	<input type="checkbox"/>
322	Paper Manufacturing	<input type="checkbox"/>
325	Chemical Manufacturing (except 3251 as noted in Table 1.1 above)	<input checked="" type="checkbox"/>
326	Plastics and Rubber Products Manufacturing	<input type="checkbox"/>
327	Non-Metallic Mineral Product Manufacturing (except 32731 and 32741 as noted in Table 1.1 above)	<input type="checkbox"/>
331	Primary Metal Manufacturing (except 3311 as noted in Table 1.1 above)	<input type="checkbox"/>
332	Fabricated Metal Product Manufacturing (except 33271 and 3328)	<input type="checkbox"/>
333	Machinery Manufacturing	<input type="checkbox"/>
335	Electrical Equipment, Appliance and Component Manufacturing	<input type="checkbox"/>
336	Transportation Equipment Manufacturing	<input type="checkbox"/>

Did you answer "Yes" to Question 2?

Yes No

If Yes, the minimum required separation distance is as follows:

	Minimum Separation	Check the One That Applies
For Class 1:		
Daytime Operation Only (between 7:00 am and 7:00 pm)	300 m	<input checked="" type="checkbox"/>
Daytime and Afternoon shift only (between 7:00 am and 11:00 pm)	400 m	<input type="checkbox"/>
Other times (outside the hours of 7:00 am to 11:00 pm)	500 m	<input type="checkbox"/>
For Class 2:		
Daytime Operation Only (between 7:00 am and 7:00 pm)	300 m	<input type="checkbox"/> N/A
Multi shifts (outside the hours of 7:00 am to 7:00 pm)	500 m	<input type="checkbox"/> N/A
For Class 3:		
Any Operation	500 m	<input type="checkbox"/> N/A

You have completed Step 3 of the Noise Screening Process, proceed to Step 4

If No, proceed to Question 3

Question 3

3 - Provide information on the facility and any noise sources that may be present by answering the following questions to determine a Score for noise sources located at the facility:

	Check one for each question	Value	Score
(a) What is the area of the enclosed buildings of the facility?			
< 650 m ²	<input type="checkbox"/>	20	
650 m ² to < 2,300 m ²	<input type="checkbox"/>	25	
2,300 m ² to 9,300 m ²	<input type="checkbox"/>	30	
> 9,300 m ²	<input type="checkbox"/>	40	
multi building	<input type="checkbox"/>	40	
(b) Are any cooling towers located at the facility?			
Yes			
- Total of all cooling towers less than 20 horsepower	<input type="checkbox"/>	10	
- Total of all cooling towers from 20 to 100 horsepower	<input type="checkbox"/>	20	
- Total of all cooling towers greater than 100 horsepower	<input type="checkbox"/>	40	
No	<input type="checkbox"/>	0	
(c) Are any outdoor air cooled chillers located at the facility?			
No			
- Total of all chillers less than 150 ton	<input type="checkbox"/>	10	
- Total of all chillers from 150 to 1,000 ton	<input type="checkbox"/>	20	
- Total of all chillers greater than 1,000 ton	<input type="checkbox"/>	40	
No	<input type="checkbox"/>	0	
(d) Are any air compressors used to provide process air or for pneumatic conveying systems located at the facility?			
Yes			
- Total of all compressors less than 10 horsepower	<input type="checkbox"/>	10	
- Total of all compressors from 10 to 75 horsepower	<input type="checkbox"/>	20	
- Total of all compressors greater than 75 horsepower	<input type="checkbox"/>	40	
No	<input type="checkbox"/>	0	
(e) Is a boiler located at the facility?			
Yes			
- Total heat input of all boilers less than 10 million BTU/hr	<input type="checkbox"/>	10	
- Total heat input of all boilers from 10 to 67 million BTU/hr	<input type="checkbox"/>	20	
- Total heat input of all boilers greater than 67 million BTU/hr	<input type="checkbox"/>	40	
No	<input type="checkbox"/>	0	
(f) What is the total volumetric flow rate of all process exhaust and general ventilation fans?			
< 5 m ³ /s	<input type="checkbox"/>	0	
5 m ³ /s to < 10 m ³ /s	<input type="checkbox"/>	10	
10 m ³ /s to < 15 m ³ /s	<input type="checkbox"/>	20	
15 m ³ /s to < 20 m ³ /s	<input type="checkbox"/>	30	
> 20 m ³ /s	<input type="checkbox"/>	40	
(g) Are any of the above air compressors, fan or blower motors located outside the building envelope?			
Yes	<input type="checkbox"/>	10	
No	<input type="checkbox"/>	0	
SUBTOTAL - Add Score from (a) to (g)			

Question 3 (continued)

Adjustments for Hours of Operation		Check one	Value	Score
Class 1	Daytime Operation Only (between 7:00 am and 7:00 pm) *	<input type="checkbox"/>	-20	
	Daytime and Afternoon shift only (between 7:00 am and 11:00 pm) **	<input type="checkbox"/>	-15	
	Other times (outside the hours of 7:00 am to 11:00 pm)	<input type="checkbox"/>	-10	
Class2	Daytime Operation Only (between 7:00 am and 7:00 pm)*	<input type="checkbox"/> N/A	-20	
	Multi shifts (outside the hours of 7:00 am to 7:00 pm)	<input type="checkbox"/> N/A	-10	
Class 3	Daytime Operation Only (between 7:00 am and 7:00 pm)	<input type="checkbox"/> N/A	-10	
	Multi shifts (outside the hours of 7:00 am to 7:00 pm)	<input type="checkbox"/> N/A	0	
TOTAL ADJUSTMENT (A)				
Adjustments for Elevated Background Noise at Point of Reception (POR)***		Check one	Value	Score
Class 1	POR within 100 m of a 400 Series Freeway (e.g. 401)	<input type="checkbox"/>	-10	
	POR within 30 m of a Provincial Highway or Arterial Road (eg HWY 27, Keele St)	<input type="checkbox"/>	-10	
	POR at other locations	<input type="checkbox"/>	0	
Class2	POR within 100 m of a 400 Series Freeway (e.g. 401)	<input type="checkbox"/> N/A	-10	
	POR within 30 m of a Provincial Highway or Arterial Road (eg HWY 27, Keele St)	<input type="checkbox"/> N/A	-10	
	POR at other locations	<input type="checkbox"/> N/A	0	
Class 3	All locations	<input type="checkbox"/> N/A	0	
TOTAL ADJUSTMENT (B)				
TOTAL SCORE - SUBTOTAL + TOTAL ADJUSTMENT (A) + TOTAL ADJUSTMENT (B)				

- * Note: the largest minimum separation distance for Daytime Operation only in Class 1 or 2 is 300 m.
- ** Note: the largest minimum separation distance for Evening and Daytime Operation only in Class 1 is 400 m
- *** Note: if Adjustments for Elevated Background Noise are used then the applicant must identify the next closest receptor outside the area of influence of the roadway and show that the actual separation distance to the next closest receptor is greater than the minimum required separation distance without adjustments.

Minimum Separation Distances – Based on Total Score (above)

Total Score	Minimum Separation Distance	Check the distance that applies
< 0 points	50 m	<input type="checkbox"/>
< 5 points	75 m	<input type="checkbox"/>
< 10 points	100 m	<input type="checkbox"/>
< 20 points	100 m	<input type="checkbox"/>
< 30 points	300 m	<input type="checkbox"/>
< 40 points	400 m	<input type="checkbox"/>
40 or more points	300 m	<input type="checkbox"/>
Distance:		m

NOISE SCREENING PROCESS – INFORMATION & INSTRUCTIONS

STEP 1: IDENTIFY CLOSEST POINT OF RECEPTION

The applicant must identify and locate the closest Point of Reception (POR) affected by any noise emissions that may arise from the operations at the facility. A Point of Reception is defined as “any point on the premises of a person where sound or vibration originating from other than those premises is received”.

The Point of Reception may be located on any of the following existing or zoned for future use premises:

- permanent or seasonal residences;
- hotels/motels;
- nursing/retirement homes;
- rental residences;
- hospitals;
- campgrounds; and
- noise sensitive buildings such as schools and places of worship.

For the Screening Process it is only required to identify the closest Point of Reception to the facility or any outdoor noise sources. For a more detailed assessment additional Point(s) or Reception may be required to be identified in other directions based on site specific conditions.

The closest Point of Reception must be selected using a **Land Use Zoning Designation Plan**. This plan indicates the approved local land use and nature of the neighbourhood for the area surrounding the facility. The plan must be based on up-to-date Zoning information provided by the Local Municipality. Zoning Designation Plans may be obtained from the planning department of the Local Municipality. This information may be in the form of hard copy zoning plans prepared by the municipality or electronic base maps showing local land use and features that may be available from the municipality to be printed by the applicant.

The Zoning information obtained from the Local Municipality must be detailed enough to clearly indicate the approved local land use for the individual properties surrounding the facility in a radius including the closest Point of Reception. The plan must include a scale and legend indicating the land use. The Zoning Information used to identify the closest Point of Reception must be attached to the Screening Process.

The Point of Reception Identification section should also describe the environmental noise climate at the Point of Reception in terms of the acoustical class, according to the following definitions:

"Class 1 Area" means an area with an acoustical environment typical of a major population centre, where the background noise is dominated by the urban hum.

- "Class 2 Area" means an area with an acoustical environment that has qualities representative of both Class 1 and Class 3 Areas, and in which a low ambient sound level, normally occurring only between 23:00 and 07:00 hours in Class 1 Areas, will typically be realized as early as 19:00 hours.
Other characteristics which may indicate the presence of a Class 2 Area include:
 - absence of urban hum between 19:00 and 23:00 hours;
 - evening background sound level defined by natural environment and infrequent human activity; and
 - no clearly audible sound from stationary sources other than from those under impact assessment.
- "Class 3 Area" means a rural area with an acoustical environment that is dominated by natural sounds having little or no road traffic, such as the following:
 - a small community with less than 1,000 population;
 - an agricultural area;
 - a rural recreational area such as a cottage or a resort area; or
 - a wilderness area.

STEP 2: DETERMINE ACTUAL SEPARATION DISTANCE

The location of the closest Point of Reception must be shown on a figure, prepared by the applicant, to determine the actual separation distance from the facility to the Point of Reception. The figure is referred to as a **Scaled Area Location Plan**.

For the Purposes of the Screening Process it may be possible to use the Zoning information provided by the Local Municipality as the Scaled Area Location Plan. However, the information is usually better presented in two separate figures because the scale of zoning plans available from the Local municipality is usually too small to sufficiently show the level of detail required by the Scaled Area Location Plan.

This figure, prepared by the applicant, must clearly indicate the location of the facility, the facility property line, all buildings on the facility and any noise sources at the facility that are located outside of the building envelope, such as dust collectors located beside a building. For the purposes of the Screening Process, it is not required to identify all noise sources, such as roof-mounted exhaust fans, on the Scaled Area Location Plan. The Scaled Area Location Plan must also show and name all local roads and features of the neighbourhood for the area surrounding the facility within a radius that includes the closest Point of Reception identified in Step 1. The figure must include a legend and scale.

The actual separation distance is calculated from the closest facility wall or outside noise source, such as a dust collector located outside the facility, to the Property Line of the selected Point of Reception. For rural receptors in Class 3 Areas, where properties may be larger and may include areas that would not be considered noise-sensitive, Points of Reception are limited to locations within 30 metres of a dwelling or a camping area, where sound or vibration originating from other than those premises is received. The location of the closest Point of Reception must be shown on the figure and the actual separation distance from the facility to the Property line of the closest Point of Reception must also be shown as a line on the figure, measured in metres.

Base maps showing the features of the surrounding neighbourhood may be obtained from the Local Municipality, Ministry of Natural Resources or other mapping companies.

The plan may include the location and features of all buildings surrounding the facility and include the topography of the surrounding area should it have an effect on the transmission of noise to a Point of Reception. However for the Screening Process this is usually not necessary. This information is required for a more detailed noise assessment.

Note: For larger facilities with outdoor noise sources, this process may have to be repeated for each outdoor noise source and different Points of Reception in order to identify the shortest actual separation distance to the closest Point of Reception.

STEP 3 – CALCULATE MINIMUM REQUIRED SEPARATION DISTANCE

Applicants are required to complete the Noise Screening Process questionnaire to calculate the minimum required separation distance that will result in compliance with the noise guidelines for the facility. Generic separation distances have been supplied that should provide a sufficient separation distance for a facility based on the type of operations conducted at the facility and the size and quantity of common noise sources associated with the type of facility under review. The minimum required distances have been provided from 1,000 m to 50 m. If a facility is closer to a Point of Reception than 50 m, you can not use this process. Conversely, if a facility is well sited, located more than 1,000m from a Point of Reception, then a detailed noise assessment is not required.

Applicants must use the North American Industry Classification System (NAICS) Code required by the application form to describe the facility. The NAICS code is determined in accordance with the Statistics Canada publication "North American Industry Classification System (NAICS) 2002 - Canada". For more information on determining the NAICS Code for a business please see www.statcan.ca. This screening process only applies to facilities with NAICS Codes starting with 21, 22, 31, 32 or 33. **If the NAICS code for the facility does not fall into one of these sectors then this step of the Screening Process can not be used.**

The following explanations are intended to assist with completing the Questionnaire:

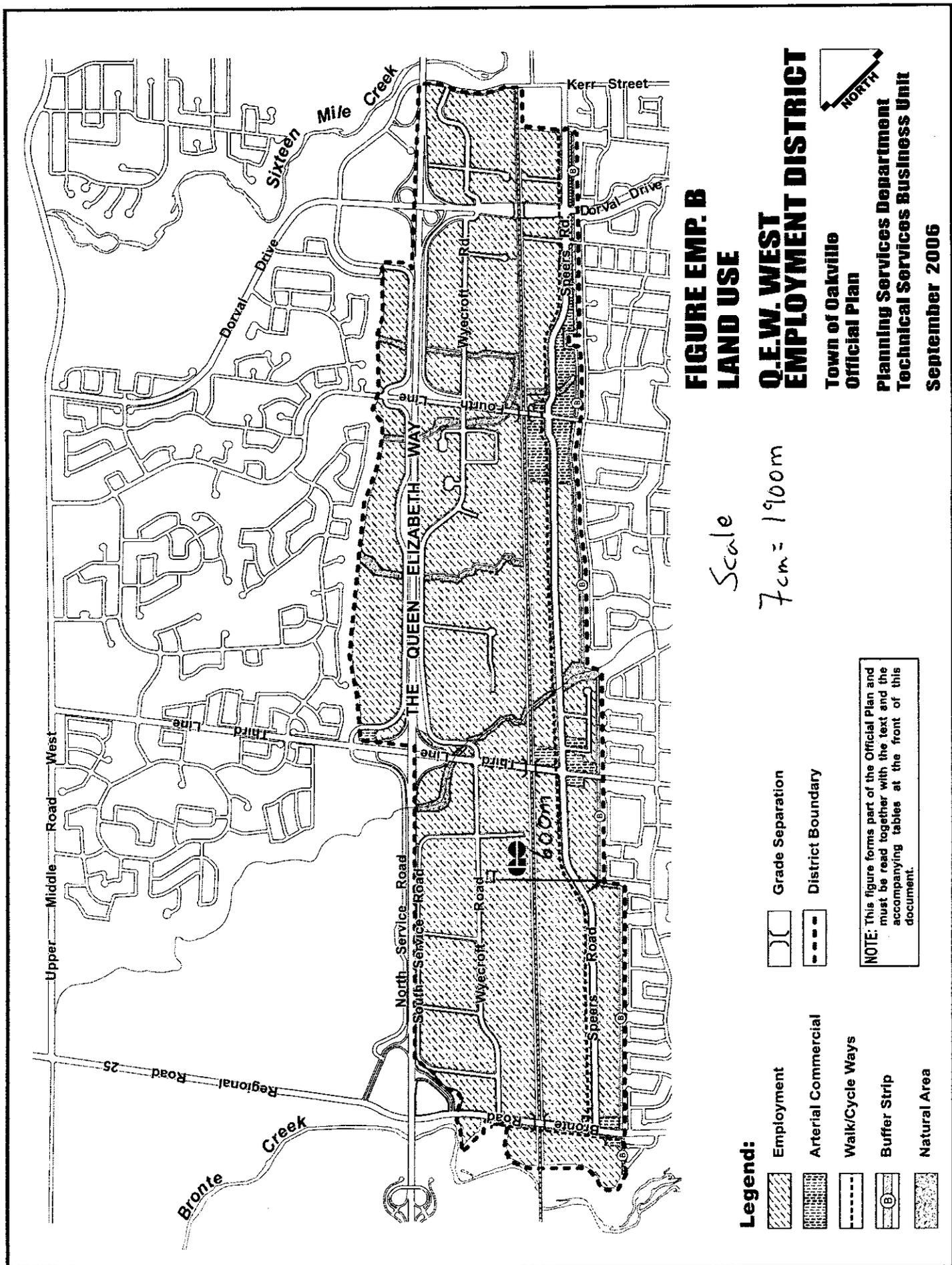
Table 1.2 The presence of any one piece of equipment identified on this table should be indicated in the appropriate check box. The reference to fans and blowers is for individual large fans or blowers only. It is not required to sum the total volumetric flow rate or pressure drops across all fans or blowers at the facility. The applicant

must include any fans or blowers located on delivery trucks that supply or transport raw materials or products from the facility.

- Table 1.2 The applicant must identify large atmospheric vents that are associated with process pressure vessels, or piping such as natural gas blow down valves at pipeline compressor stations. This category of equipment is not intended to capture mandatory steam release valves from commercial boilers.
- Question 3 For each type of equipment identified on this table the total rating for all similar pieces of equipment should be summed and indicated in the appropriate question.
- Question 3(f) The applicant is required to sum the total maximum volumetric flow rate for all process or general ventilation fans or blowers at the facility that are not directly referenced elsewhere in the table. If fans are capable of operating at two speeds the higher volumetric flow rate should be used. It is not necessary to include fans associated with cooling towers or part of packaged HVAC equipment. Fans serving condensers or other cooling units should be included. The applicant must include any fans or blowers located on delivery trucks that supply or transport raw materials or products from the facility.
- Question 3(g) The applicant is required to identify if any motors powering any of the fans, blowers or air compressors are located outside the building envelope. For example if a fan serving a dust collector is located outside then the answer is yes. If the fan and dust collector are inside the building envelope the answer is no.

STEP 4: STATEMENT FACILITY MEETS SCREENING REQUIREMENTS

If an applicant can demonstrate through this screening process that the actual separation distance from the facility to the closest Point of Reception shown on the Scaled Area Location Plan is greater than the minimum required separation distance calculated in Step 3, then the person who conducted the Noise Screening Process must complete and sign off in Step 4.



**FIGURE EMP. B
LAND USE**

**Q.E.W. WEST
EMPLOYMENT DISTRICT**

Town of Oakville
Official Plan

Planning Services Department
Technical Services Business Unit

September 2006

Scale
7cm = 1900m

- Legend:**
- Employment
 - Arterial Commercial
 - Walk/Cycle Ways
 - Buffer Strip
 - Natural Area
 - Grade Separation
 - District Boundary

NOTE: This figure forms part of the Official Plan and must be read together with the text and the accompanying tables at the front of this document.

SI MP OA WY 210

January 9, 2010

Saneth Tieu, P.Eng.
Air & Noise Unit
Environmental Assessment and Approvals Branch
Ministry of the Environment
Floor 12A
2 St. Clair Avenue West
Toronto, Ontario, M4V 1L5

MINISTRY OF
ENVIRONMENT

DATE: 28 JUNE

DIVISION PEEL
DISTRICT OFFICE

Saneth:

RE: KENCRO CHEMICALS LTD., 6691-7WKKRN → 2172 Wycroft

In response to our discussion of January 6th, I have modified the application for the CofA (Air and Noise). The list of changes is as follows:

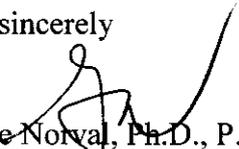
- 1) The mass for citric acid is now 0.004 g/s on pages 4, 13, and 17
- 2) The property line has been redefined, with the origin to the North East, and all dimensions are now positive. The drawings have been changed.
- 3) I have added a section on hypochlorite emissions using the Scorer-Barrett equation into Appendix A. I have attached information from Pamphlet 96, The Sodium Hypochlorite Manual, of the Chlorine Institute. The vapour pressure of the solution is water vapour, with small quantities of as yet unidentified chlorine species. Working backwards through the equation, we arrive at a vapour concentration of 100 ppmv leading to a $10 \mu\text{g}/\text{m}^3$ concentration at the POI (Unit #2 door). I trust that you agree that if the concentration were 100 ppmv, science should easily have identified the species. That the species remains unidentified means that the concentration is much lower than the 100 ppmv. I also note that household bleach is about 5% trade (depending on the supplier and age).

I note that the length and width of the building had been reversed, and are now corrected. The entire building has a length of 76.8 m, and the Kencro Chemicals Ltd. portion has a length of 45.9. While we could use the entire building length for the virtual source – use of the Kencro only portion makes for a more conservative case.

I note that there are no “sensitive receptors” in the vicinity of Kencro. Units 1 and 2 have Vector Marketing, which sells chef and steak knives. The buildings behind Kencro include autobody, metal working and wood chops. There is an aggregates facility on the west side.

I trust that these edits meet the requirements. Don't hesitate to contact me with any additional questions.

Yours sincerely


Graeme Norval, Ph.D., P.Eng.

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EMISSIONS SUMMARY AND DISPERSION MODEL REPORT

For

Kencro Chemicals Ltd.

Revisions to Certificate of Approval (Air) 1511-5GGMD6

MINISTRY OF
ENVIRONMENT
NOV 28 2000
HALTOWATH
DISTRICT OFFICE

Prepared for: Ken Dunwoody
Kencro Chemicals, Ltd.
2172 Wycroft Road, Unit #4
Oakville, Ontario, Ontario, L6L 5V6

Prepared by: Graeme Norval, Ph.D., P.Eng.

[Handwritten signature]
[Date stamp: Jan 7, 2000]
C2/S

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Site Survey, with Building Layout with Source Locations	attached
Zoning Map	attached

Executive Summary

Kencro Chemicals Ltd. is a company that receives truck deliveries of industrial chemicals, and repackages them for smaller consumers. Typical package sizes are 1000 L totes, 205 L drums and 25 L pails, with some customers taking 100 mL – 2 L bottles. Bulk chemicals are received primarily as solutions, with some received as bagged solids.

In 2002, Kencro applied for and received a Certificate of Approval (Air) for a number of sources, and for 2 scrubbing systems (CofA – Air #1511-5GGMD6). Kencro's business continues to grow, and additional space has been leased for dry goods storage and also for sodium hypochlorite (bleach) storage tanks. This application documents the changes in operations, and demonstrates that they comply with Ministry of the Environment regulations.

ENVIRONMENTAL BILL OF RIGHTS Abstract

Kencro Chemicals Ltd., a company that packages and sells industrial chemicals, seeks to modify its existing Certificate of Approval (Air) (1511-5GGMD6) for its facility in Oakville, Ontario. The facility has been expanded, and one additional source is to be added - the vent from sodium hypochlorite storage tanks. Some new products will be handled by the current scrubbers, including citric acid and propylene glycol, which are emitted at de minimus levels. It is noted that the facility heating system is exempt because the maximum energy output is less than 1.58 GJ/hr.

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Introduction and Facility Description

Kencro Chemicals Ltd. (www.kencrochemicals.com) was founded 21 years ago as a company that receives truck deliveries of industrial chemicals, and repackaging them for smaller consumers. Typical package sizes are 1000 L totes, 205 L drums and 25 L pails, with some customers taking 100 ml. – 2 L bottles. The bulk chemicals are received primarily as solutions, and are either packaged as is, or are diluted and packaged.

In 2002, Kencro applied for and received a Certificate of Approval (Air) for a number of sources, and for 2 scrubbing systems (CofA – Air #1511-5GGMD6). Business conditions have changed over the past few years, and Kencro's neighbour has moved out. Kencro has leased Unit #3 (in addition to the previously leased units #4 and #5) at 2172 Wyecroft Road, Oakville. The unit originally was used to provide additional storage of drums and bottles, as well as its providing the use of an additional truck loading dock. Recently, Kencro was approached to install two sodium hypochlorite tanks to allow for bleach bottling, as well as to begin dissolving and packaging other chemicals. Sodium hypochlorite is not compatible with acids, and the tanks are installed in the new unit, with an exterior vent.

This application documents the changes in operations, and demonstrates that they comply with Ministry of the Environment regulations. In addition, the Ministry of the Environment now requires additional documentation relative to 2002. This application includes all of the documentation required by current guidelines.

The NAICS code is 325188, Other Basic Inorganic Chemicals Manufacturing for the primary operations.

Initial Identification of Sources and Contaminants

The current CofA (Air) provides for 6 sources; the first three sources continue to function as previously described: Source #1, Sodium Hydroxide Vent, Source #2, Potassium Hydroxide Vent and Source #3, Ferric Chloride Vent.

Source #4, Sulfuric Acid Vent

The sulfuric acid vent remains, but a minor modification is noted. Three grades of sulfuric acid are now delivered and packaged. The original application was for truck deliveries of industrial grade 96% sulfuric acid, which was offloaded by air padding; these deliveries continue.

Distilled (ultra high purity) 96% sulfuric acid is now delivered, and off-loaded using bottled nitrogen. The offloading rate is slower with this product because of the slower rate of padding gas flow (air is delivered from a reciprocating compressor). In addition, industrial grade 70% sulfuric acid also is delivered and offloaded using compressed air. The vapour above 70% sulfuric acid is water (no H₂SO₄ is present).

These changes have neither added a chemical species, nor have they changed the maximum emission rate, explained in the previous application. What occurs inside the plant has changed, but what occurs outside and the maximum emission cases have not changed.

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Source #5 HCl Scrubber

The description of this system remains the same. The maximum emissions case continues to be during the delivery of bulk products.

Source #6 Acetic Acid, Nitric Acid Scrubber

This system continues to operate as previously described. It is noted that some solids (i.e., citric acid) are dissolved into water and packaged with the fumes being taken into this system. Sodium bisulfite totes are filled by pumping from a truck. The emissions for the dissolving and packaging cases are discussed below

Source 7): Sodium Hypochlorite Tank Vent

The new source is the sodium hypochlorite storage tank vent. Photograph 1 shows the storage tanks, with the connected vents, shown in Photograph 2. The 4" (0.1 m) vent extends through the wall, just below roof level, extends vertically upwards to a height of 3' above the roof level, then proceeds parallel to the roof, and ends with a 45° elbow. The coordinates of the source are (47.1, 46.0, 7.1).

Sodium hypochlorite is delivered as a 12 trade% (10.4 wt%) solution. Typical loads are 48,000 lb. and are off-loaded by air pressurization. The typical unloading time is 90 minutes. During unloading, the rate of air displacement from the storage tank is 0.004 m³/s. When the load is finished, the residual air in the truck (10 psig) depressurizes in 10 minutes, giving a maximum air rate of 0.051 m³/s for 10 minutes.

Sodium hypochlorite is an alkaline bleach solution; the product is not regulated in Ontario. The vapour above aqueous bleach solutions is water, there is no chlorine present. An MSDS is attached. A detailed calculation and explanation is presented in Appendix A.

Exempt Source

Heating System

The facility has natural gas heating. The maximum natural gas consumption occurs in the winter, and the maximum monthly demand over the past 3 years has been 248.8 m³/day (January 2007). This gives a heating rate of 0.35 million kJ/hr, based on the LHV of natural gas (33.6 MJ/m³). This is below the minimum heating of 1.58 million kJ/hr.

Contaminants

The list of new chemicals is presented in Appendix B, and is divided into those for which MOE regulations exist (Appendix B-1) and those for which no regulation exists (Appendix B-2). The regulated value and the Schedule 2 (30 minute) or Guideline is reported, along with the limiting effect.

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Appendix B-2 reports the products for which no MOE POI value exists. This table is presented in the fashion of MOE form 4872.

Sources and Contaminants Identification Table

The table below reports the sources for which changes have occurred.

Source Information			Expected Contaminants	Significant (Yes/No)	Rationale
Source ID	Title	General Location			
6	Acetic acid, nitric acid scrubber	Roof	Citric acid, SO ₂	Yes	Other species are de minimus
7	Sodium Hypochlorite Tank Vent	Roof	none	No	Sodium hypochlorite does not have a measurable vapour pressure

Assessment of Significance of Contaminants and Sources

There are no changes to Sources 1 through 5.

Source 6) remains a significant source. In addition to the previously reported contaminants, it can be expected to have particulate matter and SO₂.

Source 7) is not a significant source. The vent contains the headspace air of the tank. There is an odour of sodium hypochlorite bleach in the air, but one must be exceedingly close to smell it. The vapour pressure of hypochlorous acid is well less than 0.1 kPa.

Negligible Contaminants

Some of the solid products are received in pails or bags, and are shipped to end use customers in the same container. The containers are never opened. Consequently, there are no emissions, and these contaminants have an emission rate of zero and are negligible. The chemicals are chromic acid, sodium carbonate, sodium bicarbonate, sodium persulfate, sodium metabisulfite, sodium chlorite, calcium hydroxide, and urea.

Citric acid is put into aqueous solution, which has a vapour pressure that is only water. The solutions are not a concern – it is the solids handling that needs to be considered. The emissions of dust are demonstrated in Appendix A, which shows the emission rate to be de minimus.

Propylene glycol has a vapour pressure of 1 mm Hg at 45°C (0.13 kPa at 45°C). The product is handled at room temperature; this is a negligible component due to the low vapour pressure.

Calcium chloride solution is received and pumped directly into 1000 L totes. The vapour above calcium chloride solution is water only.

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Operating Conditions, Emission Estimating and Data Quality

The Kencro Chemicals facility works on an 8 hr/d, 5 day per week basis. The work space operates at room temperature, and all emissions are at room temperature and atmospheric pressure.

Emissions Estimating

For sodium hypochlorite, the rate of air displacement during truck unloading is described above. The maximum instantaneous air release occurs after the truck is emptied, and the pressure inside the truck blows out through the tank vent. Sodium hypochlorite solutions have a very low vapour pressure, well less than 0.1 kPa.

The calculation in Appendix A assumes a vapour pressure of 0.1 kPa, and leads to a maximum instantaneous emission rate of 0.18 g/s over the 10 minute period when the truck is depressurized. If this were time averaged to 30 minutes, the averaged emission rate would be 0.06 g/s.

Sodium bisulfite solution is delivered by truck, and offloaded into totes. A 38 wt% SBS solution has an SO₂ vapour pressure of 28 mm Hg (25°C, pH = 4.0). All work is performed under the scrubber (Source 6), which removes the SO₂ vapours to de minimus levels as demonstrated in Appendix A.

Assessment of Data Quality

The emission rates have been estimated using an engineering calculation. No time averaging has been used. The maximum production rates have been used, and as such, the emission rates are a maximum case. This data quality should be considered as "Above Average".

Source Summary and Site Plan

Kencro Chemicals Ltd. leases 3 units of the building located at 2172 Wycroft Road, Oakville, Ontario. The site survey is attached.

For the purposes of this assessment, the site plan has been modified. The x-axis is parallel to the long side of the building, and the origin is the north east corner (Kencro is now to the west of the origin).

The origin is the northern corner of the property, which borders on Wycroft Road Drive. The y-axis extends down from that corner. The coordinates of the property as

Corner 1: (0, 0) m
Corner 2: (0, 94) m
Corner 3: (10.8, 94) m
Corner 4: (62.8, 86) m
Corner 5: (61.8, 78) m
Corner 6: (103.8, 72) m
Corner 7: (93.8, 0) m

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The building is rectangular, with a height of 6.4m. The entire building is 76.8 m long and 29.9 m wide. The Kencro facility has length of 45.9 m and a width of 29.9 m. The four corners of the Kencro area are:

- Corner 1: (90.8, 15.2) m
- Corner 2: (44.9, 16.2) m
- Corner 3: (44.9, 46.1) m
- Corner 4: (90.8, 45.1) m

The centre of the building has coordinates (67.8, 30.7) m. The roof height is 20' 6" (6.25 m) above grade. The building is at an angle of 1.2° off the parallel to the x-axis.

Dispersion Modeling

The building was constructed prior to 2005. Consequently, the Reg 346 dispersion model was used. The emissions were treated as virtual sources. The centre of the 3 units has been used as the virtual source location (67.8, 30.7) m.

The Dispersion Modeling Summary Table is shown below. The input/output files are appended.

Relevant Section of the Regulation	Section Title	Description of How the Approved Dispersion Model was Used
Section 8	Negligible Sources	All sources have been considered to be significant
Section 9	Same Structure Contamination	Not applicable
Section 10	Operating Conditions	Maximum operating rates at room temperature have been used
Section 11	Source of Contaminant Emission Rates	The emission rate calculations are explained above, and are maximum cases
Section 12	Combined Effect of Assumptions for Operating Conditions and Emission Rates	These are conservative assumptions and will result in an overestimate of the POI concentrations
Section 13	Meteorological Conditions	Not applicable
Section 14	Area of Modelling Coverage	Not applicable
Section 15	Stack Height for Certain New Source of Contaminant	Not applicable
Section 16	Terrain Data	Not applicable
Section 17	Averaging Period	Not used – maximum production rates for the entire have been assumed

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Noise Assessment

The Kencro Chemicals facility operates a 1 shift (day) operation in an urban environment. The minimum separation distance is 300 m.

The land use planning drawing (QEW West Employment District) from the Town of Oakville is attached. The facility is an area that is zoned light industrial. The CN rail line runs on the south side of the building, with GO Trains, VIA trains and freight trains operating around the clock. Wyecroft Road is just south of the Queen Elizabeth Highway.

The drawing is a scale drawing, but the scale is not indicated. Wyecroft Road is 1.9 km long, between Third Line and Bronte Road. The Kencro facility is shown, immediately to the west of the GO - Bronte parking lot. The nearest receptor is 600 m south of the facility, and is residential. Immediately north of the QEW is a golf course.

Emission Summary Table and Conclusions

This report provides the technical data in support of the application for a Certificate of Approval (Air) for Kencro Chemicals. Contained in the report are the following:

Completed Emission Summary and Dispersion Modeling Checklist

Facility description

Identification of Sources and Contaminants

Assessment of the Contaminants

Operating conditions and emission estimating

Source Summary Table and Site plan

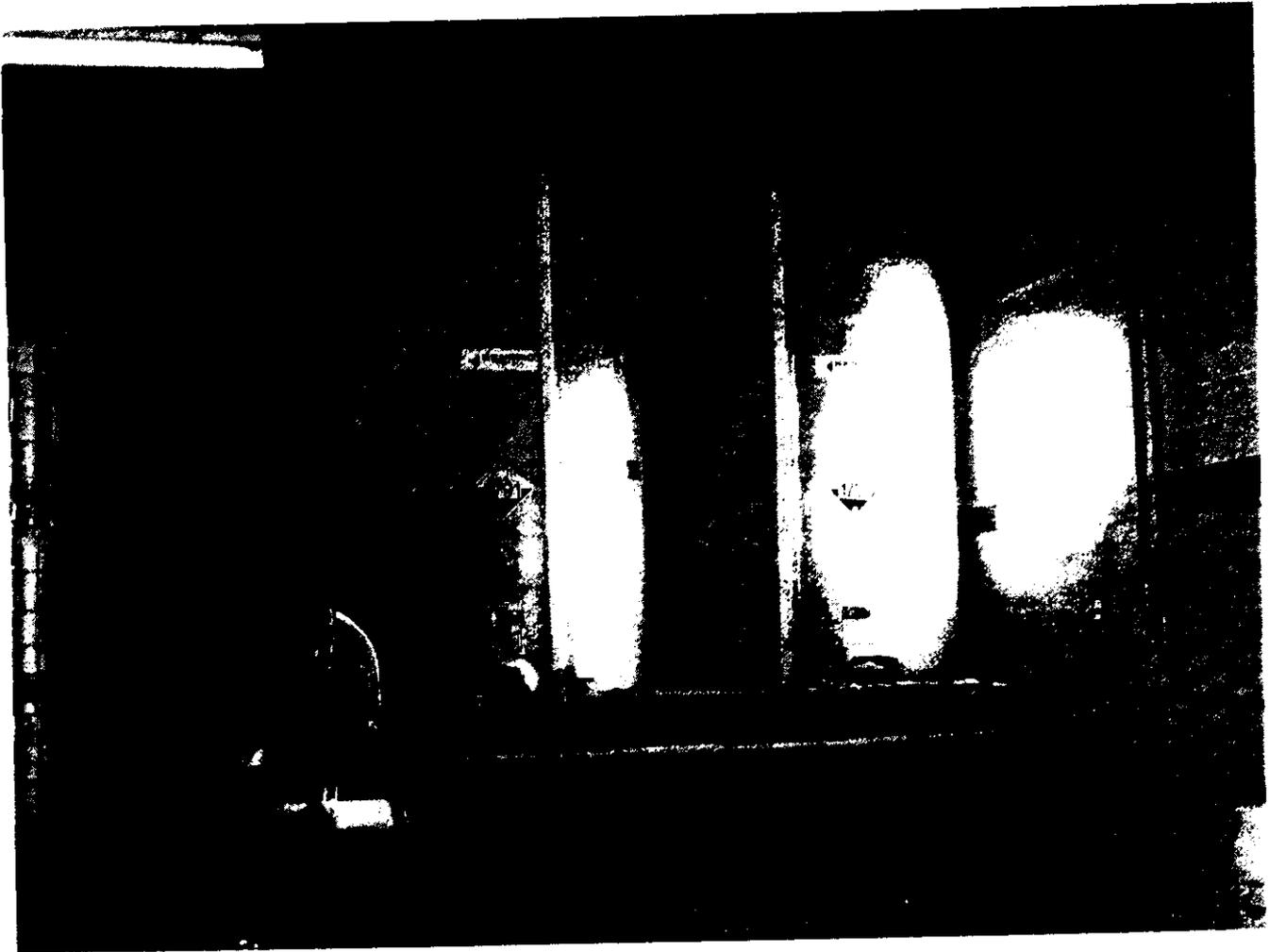
Dispersion modeling output

This report and the attachments demonstrate that the Kencro Chemicals facility meets all of the requirements for a revision to the Certificate of Approval (Air).

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Photographs of the Site



Photograph 1: The Sodium hypochlorite storage tanks

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Photograph 2: the exterior vent

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Appendix A: Sample Calculations

Citric Acid

The MOE limit for citric acid is $100 \mu\text{g}/\text{m}^3$ (Particulate – 30 minute guideline).

The emission threshold is calculated as

$$\text{Threshold (g/s)} = 0.5 * \text{MOE Limit } (\mu\text{g}/\text{m}^3) / \text{Dispersion Factor}$$

The dispersion factor for 20 m distance is $8700 \mu\text{g}/\text{m}^3$ per g/s. For citric acid, the value is 5.7 mg/s (345 mg/min).

A 1000 L tote of 50% citric acid solution is prepared by adding 550 kg of citric acid to 550 kg of water. The powder is delivered in 50 kg bags, which are opened and added to the top of the tote. The material behaves similar to coarse flour; a loss of 1% of fines can be expected. The air is taken into the water wash scrubber, and most of the citric acid will dissolve into water. The scrubber has water sprays, with a chevron design demister. The chevrons are always wetted; the solid particles will impact the walls when the air direction changes. The demister removes 99.9% of visible particles.

The emission rate for citric acid can be estimated as:

$$\text{Emission rate (mg/s)} = 0.001 * 0.01 * \frac{50 * 10^6 \text{ mg}}{120 \text{ s}} = 4 \text{ mg/s}$$

This is the maximum instantaneous rate which occurs when the bag is emptied. Once the powder has been added, the employee disposes of the empty bag, and then starts to pour a 2nd bag. The averaged emission rate over the operation will be less than half of that calculated above, and the emission rate is at a de minimus level.

This same approach can be followed for sodium metabisulfite emissions.

Sodium Bisulfite Solution

A 1000 L drum is filled in 10 minutes, with the release of vapour saturated with SO_2 . The ideal gas law is used to estimate the emission rate.

$$\text{Emission (g/s)} = MW * \frac{P * V}{R * T} = 64.06 * \frac{3.7 \text{ kPa} * 1.67 \text{ L/s}}{8.314 * 298 \text{ K}} = 0.16 \text{ g/s}$$

The dispersion factor for 20 m distance is $8700 \mu\text{g}/\text{m}^3$ per g/s. The MOE limit for SO_2 is $830 \mu\text{g}/\text{m}^3$, giving a threshold of 48 mg/s.

The dissolution and packaging is performed under the ventilation scrubber described above; SO_2 dissolves readily in alkaline water solutions, as do all acid fumes. The system provides removal efficiencies of 99.9%. It is evident that SO_2 releases are de minimus.

Sodium Hypochlorite

The solution density is 1.198, and 48,000 lb of solution are unloaded in 90 minutes using air padding. The liquid transfer rate is given by

$$\text{volume rate (L/s)} = \frac{\text{mass (lb)}}{2.2 \text{ (lb/kg)} * (\text{time}) * \rho \text{ (kg/L)}} = \frac{48,000}{2.2 * (90 * 60) * 1.198} = 4 \text{ L/s}$$

At the end of the run, the truck volume depressurizes over 10 minutes (recall the volume is at 10 - 15 psig), and the rate is given by

$$\text{volume rate (L/s)} = \frac{\text{STP volume (L)}}{\text{time}} = \frac{2 * 20,000}{(10 * 60)} = 67 \text{ L/s}$$

The maximum 30 minute average emission rate is $[(20 * 4) + (10 * 67)]/30 = 25 \text{ L/s}$.

The emissions are calculated using the ideal gas law, $PV=nRT$.

$$\text{Emission rate (g/s)} = MW * \frac{P_v * V}{R * T}$$

where MW is the molecular weight, P_v is the vapour pressure at temperature T (293 K), V is the volumetric flowrate of air (25 L/s) and R is the ideal gas constant (8.314 kPaL/molK). The problem is that vapour species and pressure are unknown.

The vapor pressure of 12% trade sodium hypochlorite solution is 12.1 mm Hg (Sodium Hypochlorite Manual, Pamphlet 96, Edition 3, The Chlorine Institute, Arlington, VA, April 2006). The vapour pressure of water at 20°C is 17.5 mm Hg, and the hypochlorite solution vapour pressure is less than that of pure water. Pamphlet 96 notes that "this is a normal phenomenon caused when salts are dissolved in water. Hypochlorous acid and chlorine monoxide are believed to be the predominant chlorine species in the vapor phase above sodium hypochlorite solutions under normal conditions".

Given that the vapour pressure of the chlorine species is not known, the Scorer-Barrett equation will be used in reverse to demonstrate that self-contamination is not a concern. We will use a concentration of $10 \mu\text{g}/\text{m}^3$ as the concentration at the nearest POI - a door. The door is a horizontal distance of 12 m to the east and a vertical distance of 3 m below the exhaust point. This gives an L value of 19.4 m ($L = 1.57 * (12^2 + 3^2)^{0.5} = 19.4 \text{ m}$).

The Scorer-Barrett Equation is rewritten as

$$ER \text{ (g/s)} = L^2 * C / 0.6 * 10^6 = 19.4^2 * 10 / 0.6 * 10^6 = 0.006 \text{ g/s}$$

The molecular weight of hypochlorous acid (HOCl) is 52.45. This gives a vapour pressure of 0.01 kPa. The vapour pressure is small, but the vapour fraction is 100 ppm. It is inconceivable that science has been unable to identify the vapor species at a concentration of 100 ppm, when chlorine in air detectors are sensitive to 1 ppm. This is consistent with the industry standard that sodium hypochlorite storage tanks not being required to have vent scrubbers.

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Appendix B: List of Chemicals and Supporting Information

B-1) Chemicals with MOE POI Limits

species	CAS #	Emission (mg/s)	POI ($\mu\text{g}/\text{m}^3$)	Limit ($\mu\text{g}/\text{m}^3$)	%	S#/G
CITRIC ACID	77-92-9	4	2	100	2	G-Particulate
Chromic Acid	7440-47-3	0	0	5	0	G - Health
Sodium Chlorite	7758-19-2	0	0	100	0	G - Particulate
Sodium Bisulfite	7631-90-5	0	0	60	0	G - Health
Sulfur Dioxide	7446-09-5	De minimum	De minimum	830		2 - Health
Propylene Glycol	57-55-6	De minimum	De minimum	100		G - Particulate
Calcium Hydroxide	1305-62-0	0	0	20	0	G - Corrosion

B-2) Chemicals without MOE POI Limits

#	Contaminant	CAS #	Max 1/2 hr emission rate (g/s)	Emission Type (C/I)	Predicted Max 1/2 hr average POI ($\mu\text{g}/\text{m}^3$)	MSDS Attached (Y/N)	Additional Information attached (Y/N)	Office Use Only
1	Sodium hypochlorite	7681-52-9	De minimum	I	De minimum	Y	N	
2	Sodium Bicarbonate	144-55-8	0	I	0	Y	N	
3	Sodium Carbonate	497-19-8	0	I	0	Y	N	
4	Sodium Persulfate	7775-27-1	0	I	0	Y	N	
5	Calcium Chloride	10043-52-4	0	I	0	Y	N	
6	Sodium Metabisulfite	7681-57-4	0	I	0	Y	N	
7	Urea	000-057-136	0	I	0	Y	N	

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Appendix C: Dispersion Modelling Output

MAXIMUM GROUND LEVEL CONCENTRATION
VERSION 2.00

Date: January 9, 2010

Application No: 0691-7WKKKN
Reviewer: G. Norval
Title: Kendro Chemicals Revised CoFA Sources
orientations and dimensions edited

Data from file: kendror3.STK

Virtual Sources

Number	Height m	Emission Rate gm/s	Width m	Length m	Angle deg	X m	Y m
1	9.1	1.400E-02	29.9	45.9	-1.2	68.	31.

Single Source Maximum Ground Level Concentrations

Source	Stability	Maximum Conc (ug/m3)	Distance (m)	Wind Speed (m/sec)
1	D	1.1547	24.	5.000
	B	2.1625	24.	5.000

Maximum off-property ground level concentration 2.1622 ug/m3
Stability D
Wind direction 358.885 deg
Wind speed 5.000 m/s
Coordinates 99.6 30.1 (m)

Maximum Concentration along the property line 2.1641 ug/m3
Stability D
Wind direction 309.127 deg
Wind speed 5.000 m/s
Coordinates 98. 30. (m)

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SOURCE SUMMARY TABLE

Contaminant	CAS#	Source Data			Emission Data							% of Total Emissions		
		ID	Description	Volumetric Flowrate (m ³ /s)	Exit Temp (°C)	Inner Diameter (m)	Height Above Grade (m)	Height Above Roof (m)	Coordinates (N, Y)	Emission Rate (g/s)	Averaging Period (hr)		Estimation Technique	Data Quality
NaOH	1310-73-2	1	NaOH vent	0.51	25	0.076	6.4	0.15	61.29	0	None	F.C.	V.G.	0.0%
KOH	1310-58-3	2	KOH vent	0.26	25	0.076	6.4	0.15	67.29	0	None	F.C.	V.G.	0.0%
FeCl ₃	7705-08-0	3	FeCl ₃ vent	0.51	25	0.076	6.4	0.15	78.32	0	None	F.C.	V.G.	0.0%
H ₂ SO ₄	7664-93-9	4	H ₂ SO ₄ vent	0.51	25	0.076	6.4	0.15	78.30	0	None	F.C.	V.G.	0.0%
HCl	7647-0-0	5	HCl Scrubber	0.47	25	0.25	9.1	2.7	78.36	0.081	None	F.C.	V.G.	99%
Acetic Acid	64-19-7	6	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	78.38	6.61e-5	None	F.C.	V.G.	< 1%
Nitric Acid	7697-37-2	6	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	78.38	0.008	None	F.C.	V.G.	< 1%
Citric Acid	77-92-9	6	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	78.38	0.004	None	F.C.	V.G.	< 1%
Sulfur Dioxide	7446-09-5	6	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	78.38	1x minimum	None	F.C.	V.G.	< 1%
Propylene Glycol	57-55-6	6	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	78.38	1x minimum	None	F.C.	V.G.	< 1%
Sodium hypochlorite	7681-52-9	7	Sodium Hypochlorite Vent	0.05	25	0.10	7.1	0.9	47.46	1x minimum	None	F.C.	V.G.	< 1%

- i The HCl emission is for 10 minute duration, after an emission of 5.2 mg/s for 30 minutes during truck unloading
- ii The Nitric Acid emission is for 5 minute duration, after an emission of 370 microg/s during truck unloading

EMISSION SUMMARY TABLE

Contaminant	CAS#	Total Facility Emission Rate (g/s)	Air Dispersion Model Used	Maximum POI Concentration (µg/m ³)	Averaging Period (hrs)	MOE: POI Limiting Effect (µg/m ³)	Regulation Schedule #	% of MOE: POI Limit
Hydrochloric Acid ⁱ	7647-01-0	0.081	Reg 346	46	30 minute	60	419 S2	77%
Acetic Acid	64-19-7	6.61E-005	Reg 346	0.2	30 minute	2500	419 S2	<1%
Nitric Acid ⁱⁱ	7697-37-2	8.00E-003	Reg 346	4.3	30 minute	100	419 S2	5%
Citric Acid	77-92-9	0.004	Reg 346	2	30 minute	100	419 - Guideline	2%

- i The HCl emission is for 10 minute duration, after an emission of 5.2 mg/s for 30 minutes during truck unloading
- ii The Nitric Acid emission is for 5 minute duration, after an emission of 370 microg/s during truck unloading

SI HP OA WY 210

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January 22, 2010

Ken Dunwoody, President
Kencro Chemicals Limited
2172 Wyecroft Rd, No. Unit 4
Oakville, Ontario
L6L 5V6

MINISTRY OF
ENVIRONMENT
FEB 01 2010
HALTON DISTRICT OFFICE

Dear Sir:

**Re: Application for Approval of Air
Addition of one (1) additional source
Oakville Town, Regional Municipality of Halton
MOE Reference Number 6691-7WKKRN**

Please find enclosed the Certificate of Approval (Air) for the above referenced application.

Based on our technical evaluation and the information submitted with your application, the Equipment is cap requirements.

We emphasize that if, at any time, emissions from the Equipment/Facility contravene any part of the Act, Re in the above noted Certificate, such contravention may become the subject of enforcement in accordance with Director may amend or revoke the above noted Certificate in accordance with his powers under the Act.

Please be advised that Ontario Regulation 419/05: Air Pollution – Local Air Quality came into force on November 31, 2007. This regulation changes the way air emissions are regulated in Ontario. Regulation 419/05 impose today and in the future.

Regulation 419/05 introduced new or updated air standards and sets out new requirements concerning the use following time lines affect Schedule 4 sector facilities:

- **February 1, 2009** - ESDM reports accompanying CofA applications made after January 31, 2009 must be prepared as if s.20 (Schedule 3 and advanced approved dispersion models) applies. (s.22).

- **February 1, 2010** - By February 1, 2010, facilities that belong to sectors listed in Schedule 4 are required to comply with all standards in Schedule 3 using the advanced approved air dispersion models. Note there are some Schedule 3 standards that begin to take effect on February 1, 2013. (s.20)
- **February 1, 2010** – By February 1, 2010 facilities that belong to sectors listed in Schedule 4 are required to prepare and annually update an Emission Summary and Dispersion Modelling (ESDM) report. (s.23 and s.25).
- **October 31, 2008** - Should it be determined that a Schedule 3 standard cannot be met by the set compliance date, facilities that belong to sectors listed in Schedule 4 may request an alternative standard. The window set out in the Regulation within which to make this request opened on February 1, 2007 and closes on October 31, 2008. More information on the Alternative Standards process can be found in the “Guide for Requesting an Alternative Air Standard” on the MOE website (PIBs# 6322e). (s.32).

The Regulation 419/05 web-site contains comprehensive information including Frequently Asked Questions. the Regulation. <http://www.ene.gov.on.ca/envision/air/regulations/localquality.htm>

If you have any questions regarding the above, please contact Saneth Tieu, P. Eng, Senior Air Engineer, at (-

Yours truly,



Victor Low, P.Eng.

Director

Section 9, Environmental Protection Act

c: District Manager, MOE Halton-Peel ✓
Graeme Norval, GWN Chemical Consulting Inc.

D.S.

SI HP 0A WY 210

EMISSIONS SUMMARY AND DISPERSION MODEL REPORT

For

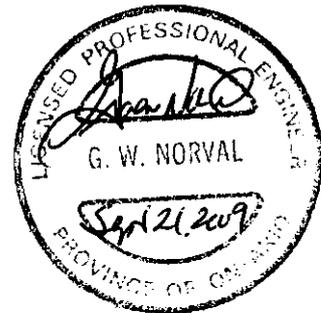
2172 Wycroft

Kencro Chemicals Ltd.

Revisions to Certificate of Approval (Air) 1511-5GGMD6

MINISTRY OF ENVIRONMENT
OCT 07 2009
HALTON PEEL DISTRICT OFFICE

Prepared for: Ken Dunwoody
Kencro Chemicals, Ltd.
2172 Wycroft Road, Unit #4
Oakville, Ontario, Ontario, L6L 5V6



C3/S

Prepared by: Graeme Norval, Ph.D., P.Eng.

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Site Survey, with Building Layout with Source Locations	attached
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Executive Summary

Kencro Chemicals Ltd. is a company that receives truck deliveries of industrial chemicals, and repackages them for smaller consumers. Typical package sizes are 1000 L totes, 205 L drums and 25 L pails, with some customers taking 100 mL – 2 L bottles. Bulk chemicals are received primarily as solutions, with some received as bagged solids.

In 2002, Kencro applied for and received a Certificate of Approval (Air) for a number of sources, and for 2 scrubbing systems (CofA – Air #1511-5GGMD6). Kencro's business continues to grow, and additional space has been leased for dry goods storage and also for sodium hypochlorite (bleach) storage tanks. This application documents the changes in operations, and demonstrates that they comply with Ministry of the Environment regulations.

ENVIRONMENTAL BILL OF RIGHTS Abstract

Kencro Chemicals Ltd., a company that packages and sells industrial chemicals, seeks to modify its existing Certificate of Approval (Air) (1511-5GGMD6) for its facility in Oakville, Ontario. The facility has been expanded, and one additional source is to be added - the vent from sodium hypochlorite storage tanks. Some new products will be handled by the current scrubbers, including citric acid and propylene glycol, which are emitted at de minimus levels. It is noted that the facility heating system is exempt because the maximum energy output is less than 1.58 GJ/hr.

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EMISSION SUMMARY TABLE

Contaminant	CAS#	Total Facility Emission Rate (g/s)	Air Dispersion Model Used	Maximum POI Concentration (µg/m3)	Averaging Period (hrs)	MOE POI Limit (µg/m3)	Limiting Effect	Regulation Schedule #	% of MOE POI Limit
Citric Acid	77-92-9	4	Reg 346	2	none	100	none	419 - Guideline	2%
Sulfur Dioxide	7446-09-5	De minimus	None	N/A	none	830	none	419 S2	0%
Propylene Glycol	57-55-6	De minimus	None	N/A	none	100	none	419 Guideline	0%
Sodium hypochlorite	7681-52-9	De minimus	None	N/A	none	Not listed	none		

See Appendix B

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Introduction and Facility Description

Kencro Chemicals Ltd. (www.kencrochemicals.com) was founded 21 years ago as a company that receives truck deliveries of industrial chemicals, and repackaging them for smaller consumers. Typical package sizes are 1000 L totes, 205 L drums and 25 L pails, with some customers taking 100 mL – 2 L bottles. The bulk chemicals are received primarily as solutions, and are either packaged as is, or are diluted and packaged.

In 2002, Kencro applied for and received a Certificate of Approval (Air) for a number of sources, and for 2 scrubbing systems (CofA – Air #1511-5GGMD6). Business conditions have changed over the past few years, and Kencro's neighbour has moved out. Kencro has leased Unit #3 (in addition to the previously leased units #4 and #5) at 2172 Wyecroft Road, Oakville. The unit originally was used to provide additional storage of drums and bottles, as well as its providing the use of an additional truck loading dock. Recently, Kencro was approached to install two sodium hypochlorite tanks to allow for bleach bottling, as well as to begin dissolving and packaging other chemicals. Sodium hypochlorite is not compatible with acids, and the tanks are installed in the new unit, with an exterior vent.

This application documents the changes in operations, and demonstrates that they comply with Ministry of the Environment regulations. In addition, the Ministry of the Environment now requires additional documentation relative to 2002. This application includes all of the documentation required by current guidelines.

The NAICS code is 325188, Other Basic Inorganic Chemicals Manufacturing for the primary operations.

Initial Identification of Sources and Contaminants

The current CofA (Air) provides for 6 sources; the first three sources continue to function as previously described: Source #1, Sodium Hydroxide Vent, Source #2, Potassium Hydroxide Vent and Source #3, Ferric Chloride Vent.

Source #4, Sulfuric Acid Vent

The sulfuric acid vent remains, but a minor modification is noted. Three grades of sulfuric acid are now delivered and packaged. The original application was for truck deliveries of industrial grade 96% sulfuric acid, which was offloaded by air padding; these deliveries continue.

Distilled (ultra high purity) 96% sulfuric acid is now delivered, and off-loaded using bottled nitrogen. The offloading rate is slower with this product because of the slower rate of padding gas flow (air is delivered from a reciprocating compressor). In addition, industrial grade 70% sulfuric acid also is delivered and offloaded using compressed air. The vapour above 70% sulfuric acid is water (no H₂SO₄ is present).

These changes have neither added a chemical species, nor have they changed the maximum emission rate, explained in the previous application. What occurs inside the plant has changed, but what occurs outside and the maximum emission cases have not changed.

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Source #5 HCl Scrubber

The description of this system remains the same. The maximum emissions case continues to be during the delivery of bulk products.

Source #6 Acetic Acid, Nitric Acid Scrubber

This system continues to operate as previously described. It is noted that some solids (i.e., citric acid) are dissolved into water and packaged with the fumes being taken into this system. Sodium bisulfite totes are filled by pumping from a truck. The emissions for the dissolving and packaging cases are discussed below

Source 7): Sodium Hypochlorite Tank Vent

The new source is the sodium hypochlorite storage tank vent. Photograph 1 shows the storage tanks, with the connected vents, shown in Photograph 2. The 4" (0.1 m) vent extends through the wall, just below roof level, extends vertically upwards to a height of 3' above the roof level, then proceeds parallel to the roof, and ends with a 45° elbow. The coordinates of the source are (47.1, 46.0, 7.1).

Sodium hypochlorite is delivered as a 12 trade% (10.4 wt%) solution. Typical loads are 48,000 lb, and are off-loaded by air pressurization. The typical unloading time is 90 minutes. During unloading, the rate of air displacement from the storage tank is 0.026 m³/s. When the load is finished, the residual air in the truck (10 psig) depressurizes in 10 minutes, giving a maximum air rate of 0.051 m³/s for 10 minutes.

Sodium hypochlorite is an alkaline bleach solution; the product is not regulated in Ontario. The vapour above aqueous bleach solutions is water, there is no chlorine present. An MSDS is attached.

Exempt Source

Heating System

The facility has natural gas heating. The maximum natural gas consumption occurs in the winter, and the maximum monthly demand over the past 3 years has been 248.8 m³/day (January 2007). This gives a heating rate of 0.35 million kJ/hr, based on the LHV of natural gas (33.6 MJ/m³). This is below the minimum heating of 1.58 million kJ/hr.

Contaminants

The list of new chemicals is presented in Appendix B, and is divided into those for which MOE regulations exist (Appendix B-1) and those for which no regulation exists (Appendix B-2). The regulated value and the Schedule 2 (30 minute) or Guideline is reported, along with the limiting effect.

Appendix B-2 reports the products for which no MOE POI value exists. This table is presented in the fashion of MOE form 4872.

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Sources and Contaminants Identification Table

The table below reports the sources for which changes have occurred.

Source Information			Expected Contaminants	Significant (Yes/No)	Rationale
Source ID	Title	General Location			
6	Acetic acid, nitric acid scrubber	Roof	Citric acid, SO ₂	Yes	Other species are de minimus
7	Sodium Hypochlorite Tank Vent	Roof	none	No	Sodium hypochlorite does not have a measurable vapour pressure

Assessment of Significance of Contaminants and Sources

There are no changes to Sources 1 through 5.

Source 6) remains a significant source. In addition to the previously reported contaminants, it can be expected to have particulate matter and SO₂.

Source 7) is not a significant source. The vent contains the headspace air of the tank. There is an odour of sodium hypochlorite bleach in the air, but one must be exceedingly close to smell it. The vapour pressure of hypochlorous acid is well less than 0.1 kPa.

Negligible Contaminants

Some of the solid products are received in pails or bags, and are shipped to end use customers in the same container. The containers are never opened. Consequently, there are no emissions, and these contaminants have an emission rate of zero and are negligible. The chemicals are chromic acid, sodium carbonate, sodium bicarbonate, sodium persulfate, sodium metabisulfite, sodium chlorite, calcium hydroxide, and urea.

Citric acid is put into aqueous solution, which has a vapour pressure that is only water. The solutions are not a concern – it is the solids handling that needs to be considered. The emissions of dust are demonstrated in Appendix A, which shows the emission rate to be de minimus.

Propylene glycol has a vapour pressure of 1 mm Hg at 45°C (0.13 kPa at 45°C). The product is handled at room temperature; this is a negligible component due to the low vapour pressure.

Calcium chloride solution is received and pumped directly into 1000 L totes. The vapour above calcium chloride solution is water only.

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Operating Conditions, Emission Estimating and Data Quality

The Kencro Chemicals facility works on an 8 hr/d, 5 day per week basis. The work space operates at room temperature, and all emissions are at room temperature and atmospheric pressure.

Emissions Estimating

For sodium hypochlorite, the rate of air displacement during truck unloading is described above. The maximum instantaneous air release occurs after the truck is emptied, and the pressure inside the truck blows out through the tank vent. Sodium hypochlorite solutions have a very low vapour pressure, well less than 0.1 kPa.

The calculation in Appendix A assumes a vapour pressure of 0.1 kPa, and leads to a maximum instantaneous emission rate of 0.18 g/s over the 10 minute period when the truck is depressurized. If this were time averaged to 30 minutes, the averaged emission rate would be 0.06 g/s.

Sodium bisulfite solution is delivered by truck, and offloaded into totes. A 38 wt% SBS solution has an SO₂ vapour pressure of 28 mm Hg (25°C, pH = 4.0). All work is performed under the scrubber (Source 6), which removes the SO₂ vapours to de minimus levels as demonstrated in Appendix A.

Assessment of Data Quality

The emission rates have been estimated using an engineering calculation. No time averaging has been used. The maximum production rates have been used, and as such, the emission rates are a maximum case. This data quality should be considered as "Above Average".

Source Summary and Site Plan

Kencro Chemicals Ltd. leases 3 units of the building located at 2172 Wycroft Road, Oakville, Ontario. The site survey is attached.

For the purposes of this assessment, the x-axis is parallel to the long side of the building. The original is the northern corner of the property, which borders on Wycroft Road Drive. The y-axis extends down from that corner. The coordinates of the property as

Corner 1: (0, 0) m
Corner 2: (93.8, 0) m
Corner 3: (93.8, 94) m
Corner 4: (83, 94) m
Corner 5: (31, 86) m
Corner 6: (32, 78) m
Corner 7: (-10, 72) m

GWN Chemical Consulting, Inc.

2009 Grenville Drive; Oakville, Ontario, L6H 3Z3; 905.466.2940; fax 905.466.6940
E-mail: graeme.norval@sympatico.ca www3.sympatico.ca/graeme.norval/

The building is rectangular, with a height of 6.4m. The building is 76.8 m long and 29.9 m wide. The four corners of the Kencro area are:

- Corner 1: (3.0, 15.2) m
- Corner 2: (48.9, 16.2) m
- Corner 3: (48.9, 46.1) m
- Corner 4: (3.0, 45.1) m

The centre of the building has coordinates (26.0, 30.7) m. The roof height is 20' 6" (6.25 m) above grade. The building is at an angle of 1.2° off the parallel to the x-axis.

Dispersion Modeling

The building was constructed prior to 2005. Consequently, the Reg 346 dispersion model was used. The emissions were treated as virtual sources. The centre of the 3 units has been used as the virtual source location (40.7, 30.9) m.

The Dispersion Modeling Summary Table is shown below. The input/output files are appended.

Relevant Section of the Regulation	Section Title	Description of How the Approved Dispersion Model was Used
Section 8	Negligible Sources	All sources have been considered to be significant
Section 9	Same Structure Contamination	Not applicable
Section 10	Operating Conditions	Maximum operating rates at room temperature have been used
Section 11	Source of Contaminant Emission Rates	The emission rate calculations are explained above, and are maximum cases
Section 12	Combined Effect of Assumptions for Operating Conditions and Emission Rates	These are conservative assumptions and will result in an overestimate of the POI concentrations
Section 13	Meteorological Conditions	Not applicable
Section 14	Area of Modelling Coverage	Not applicable
Section 15	Stack Height for Certain New Source of Contaminant	Not applicable
Section 16	Terrain Data	Not applicable
Section 17	Averaging Period	Not used – maximum production rates for the entire have been assumed

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Noise Assessment

The Kencro Chemicals facility operates a 1 shift (day) operation in an urban environment. The minimum separation distance is 300 m.

The land use planning drawing (QEW West Employment District) from the Town of Oakville is attached. The facility is an area that is zoned light industrial. The CN rail line runs on the south side of the building, with GO Trains, VIA trains and freight trains operating around the clock. Wyecroft Road is just south of the Queen Elizabeth Highway.

The drawing is a scale drawing, but the scale is not indicated. Wyecroft Road is 1.9 km long, between Third Line and Bronte Road. The Kencro facility is shown, immediately to the west of the GO – Bronte parking lot. The nearest receptor is 600 m south of the facility, and is residential. Immediately north of the QEW is a golf course.

Emission Summary Table and Conclusions

This report provides the technical data in support of the application for a Certificate of Approval (Air) for Kencro Chemicals. Contained in the report are the following:

Completed Emission Summary and Dispersion Modeling Checklist

Facility description

Identification of Sources and Contaminants

Assessment of the Contaminants

Operating conditions and emission estimating

Source Summary Table and Site plan

Dispersion modeling output

This report and the attachments demonstrate that the Kencro Chemicals facility meets all of the requirements for a revision to the Certificate of Approval (Air).

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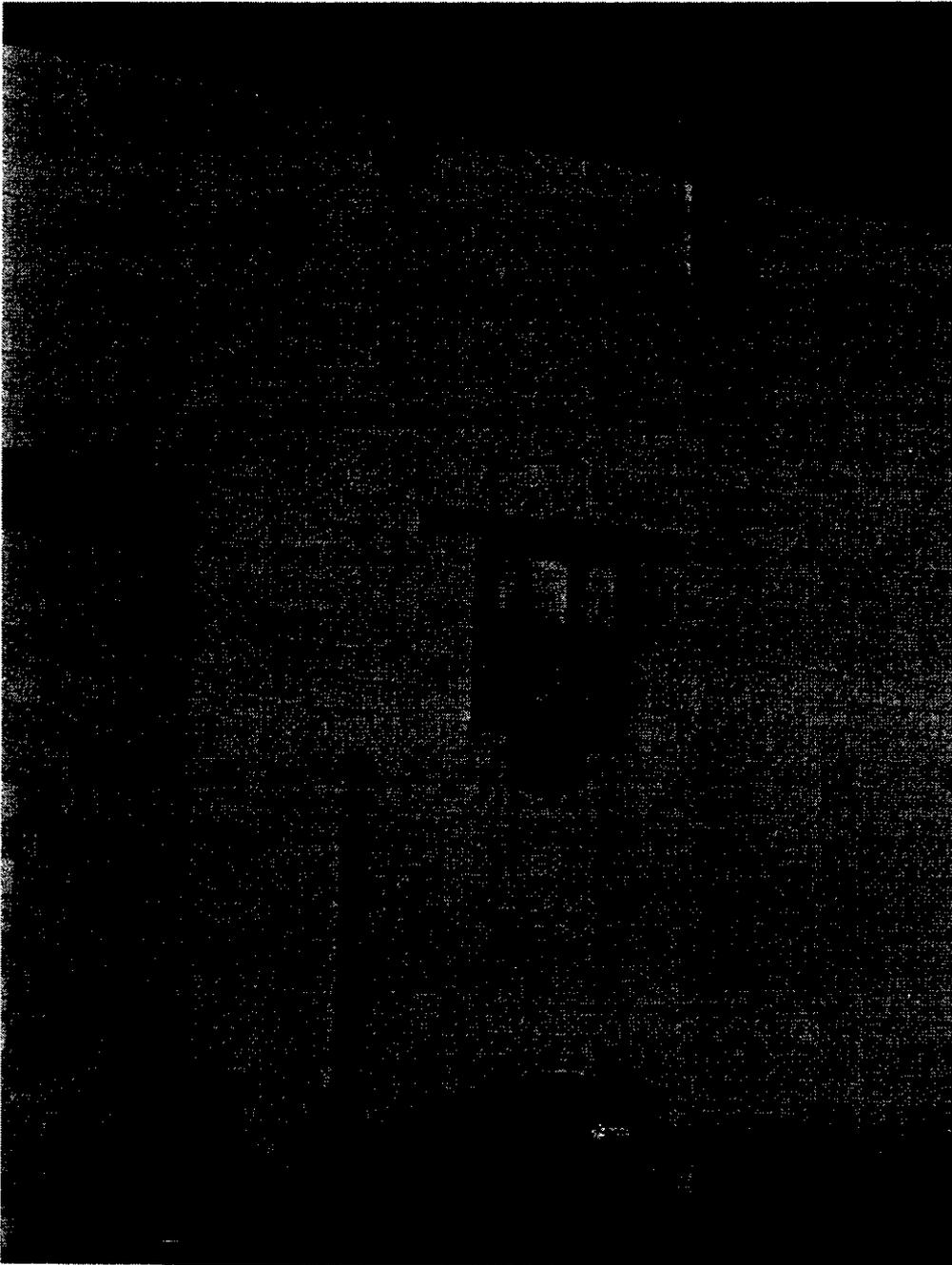
www3.sympatico.ca/graeme.norval/

Photographs of the Site



Photograph 1: The Sodium hypochlorite storage tanks

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Photograph 2: the exterior vent

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Appendix A: Sample Calculations

Citric Acid

The MOE limit for citric acid is 100 µg/m³ (Particulate – 30 minute guideline).

The emission threshold is calculated as

$$\text{Threshold (g/s)} = 0.5 * \text{MOE Limit (}\mu\text{g/m}^3\text{)} / \text{Dispersion Factor}$$

The dispersion factor for 20 m distance is 8700 µg/m³ per g/s. For citric acid, the value is 5.7 mg/s (345 mg/min).

A 1000 L tote of 50% citric acid solution is prepared by adding 550 kg of citric acid to 550 kg of water. The powder is delivered in 50 kg bags, which are opened and added to the top of the tote. The material behaves similar to coarse flour; a loss of 1% of fines can be expected. The air is taken into the water wash scrubber, and most of the citric acid will dissolve into water. The scrubber has water sprays, with a chevron design demister. The chevrons are always wetted; the solid particles will impact the walls when the air direction changes. The demister removes 99.9% of visible particles.

The emission rate for citric acid can be estimated as:

$$\text{Emission rate (mg/s)} = 0.001 * 0.01 * \frac{50 * 10^6 \text{ mg}}{120 \text{ s}} = 4 \text{ mg/s}$$

This is the maximum instantaneous rate which occurs when the bag is emptied. Once the powder has been added, the employee disposes of the empty bag, and then starts to pour a 2nd bag. The averaged emission rate over the operation will be less than half of that calculated above, and the emission rate is at a de minimus level.

This same approach can be followed for sodium metabisulfite emissions.

Sodium Bisulfite Solution

A 1000 L drum is filled in 10 minutes, with the release of vapour saturated with SO₂. The ideal gas law is used to estimate the emission rate.

$$\text{Emission (g/s)} = MW * \frac{P * V}{R * T} = 64.06 * \frac{3.7 \text{ kPa} * 1.67 \text{ L/s}}{8.314 * 298 \text{ K}} = 0.16 \text{ g/s}$$

The dispersion factor for 20 m distance is 8700 µg/m³ per g/s. The MOE limit for SO₂ is 830 µg/m³, giving a threshold of 48 mg/s.

The dissolution and packaging is performed under the ventilation scrubber described above; SO₂ dissolves readily in alkaline water solutions, as do all acid fumes. The system provides removal efficiencies of 99.9%. It is evident that SO₂ releases are de minimus.

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Sodium Hypochlorite

The emissions are calculated using the ideal gas law, $PV=nRT$. Consequently, the mass of chemical X exiting the storage tank is calculated as

$$\text{Emission rate (g/s)} = MW * \frac{P_v * V}{R * T}$$

where MW_x is the molecular weight (74.45), P_v is the vapour pressure (0.1 kPa) at temperature T (298 K), V is the volumetric flowrate of air (60 L/s – as demonstrated in the previous application), and R is the ideal gas constant (8.314 kPaL/molK).

This gives an emission rate estimate of 0.18 g/s.

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Appendix B: List of Chemicals and Supporting Information

B-1) Chemicals with MOE POI Limits

species	CAS #	Emission (mg/s)	POI ($\mu\text{g}/\text{m}^3$)	Limit ($\mu\text{g}/\text{m}^3$)	%	S#/G
CITRIC ACID	77-92-9	4	2	100	2	G-Particulate
Chromic Acid	7440-47-3	0	0	5	0	G - Health
Sodium Chlorite	7758-19-2	0	0	100	0	G - Particulate
Sodium Bisulfite	7631-90-5	0	0	60	0	G - Health
Sulfur Dioxide	7446-09-5	De minimus	De minimus	830		2 - Health
Propylene Glycol	57-55-6	De minimus	De minimus	100		G - Particulate
Calcium Hydroxide	1305-62-0	0	0	20	0	G - Corrosion

B-2) Chemicals without MOE POI Limits

#	Contaminant	CAS #	Max ½ hr emission rate (g/s)	Emission Type (C/I)	Predicted Max ½ hr average POI ($\mu\text{g}/\text{m}^3$)	MSDS Attached (Y/N)	Additional Information attached (Y/N)	Office Use
1	Sodium hypochlorite	7681-52-9	De minimus	I	De minimus	Y	N	Office Use Only
2	Sodium Bicarbonate	144-55-8	0	I	0	Y	N	
3	Sodium Carbonate	497-19-8	0	I	0	Y	N	
4	Sodium Persulfate	7775-27-1	0	I	0	Y	N	
5	Calcium Chloride	10043-52-4	0	I	0	Y	N	
6	Sodium Metabisulfite	7681-57-4	0	I	0	Y	N	
7	Urea	000-057-136	0	I	0	Y	N	

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Appendix C: Dispersion Modelling Output

MAXIMUM GROUND LEVEL CONCENTRATION
VERSION 2.00

Date: September 8, 2009

Reviewer: G.W. Norval
Title: Kencro Revision to CofA
Powder Products Case

Data from file: kencrorv.STK

Virtual Sources

Number	Height m	Emission Rate gm/s	Width m	Length m	Angle deg	X m	Y m
1	9.1	.400E-02	45.9	29.9	1.2	26.	31.

Single Source Maximum Ground Level Concentrations

Source	Stability	Maximum Conc (ug/m3)	Distance (m)	Wind Speed (m/sec)
1	C	1.1995	15.	5.000
	D	1.6152	15.	5.000

Maximum off-property ground level concentration 1.8959 ug/m3
Stability D
Wind direction 90.389 deg
Wind speed 5.000 m/s
Coordinates 25.7 79.0 (m)

Maximum Concentration along the property line 2.1316 ug/m3
Stability D
Wind direction 270.493 deg
Wind speed 5.000 m/s
Coordinates 26. 0. (m)

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SOURCE SUMMARY TABLE

Contaminant	CAS#	Source Data				Emission Data								
		ID	Description	Volumetric Flowrate (m ³ /s)	Exit Temp. (°C)	Inner Diameter (m)	Height Above Grade (m)	Height Above Roof (m)	Coordinates (x, y)	Emission Rate (g/s)	Averaging Period (hr)	Estimation Technique	Data Quality	% of Total Emissions
Citric Acid	77-92-9	6	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	16, 38	4	None	E.C.	V.G.	< 1%
Sulfur Dioxide	7446-09-5	6	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	16, 38	De minimus	None	E.C.	V.G.	< 1%
Propylene Glycol	57-55-6	6	Spray scrubber exhaust	0.71	25	0.25	9.1	2.7	16, 38	De minimus	None	E.C.	V.G.	< 1%
Sodium hypochlorite	7681-52-9	7	Sodium Hypochlorite Vent	0.05	25	0.10	7.1	0.9	47, 46	De minimus	None	E.C.	V.G.	< 1%

E.C. - Engineering Calculation used to estimate emissions

Very Good. - a conservative case was used to estimate the emissions; the emission results are overestimates of the actual emissions

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EMISSION SUMMARY TABLE

Contaminant	CAS#	Total Facility Emission Rate (g/s)	Air Dispersion Model Used	Maximum POI Concentration ($\mu\text{g}/\text{m}^3$)	Averaging Period (hrs)	MOE POI Limit ($\mu\text{g}/\text{m}^3$)	Limiting Effect	Regulation Schedule #	% of MOE POI Limit
Citric Acid	77-92-9	4	Reg 346	2	none	100	none	419 - Guideline	2%
Sulfur Dioxide	7446-09-5	De minimus	None	N/A	none	830	none	419 S2	0%
Propylene Glycol	57-55-6	De minimus	None	N/A	none	100	none	419 Guideline	0%
Sodium hypochlorite	7681-52-9	De minimus	None	N/A	none	Not listed	none		

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EMISSION SUMMARY AND DISPERSION MODELLING REPORT CHECKLIST

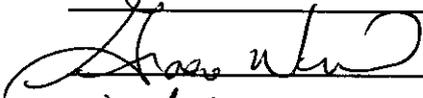
Company Name: Kencro Ltd.

Company Address: 2172 Wyecroft Road, Unit #4
Oakville, Ontario, L6L 5V6

Location of Facility: same

The attached Emission Summary and Dispersion Modeling Report was prepared in accordance with s.26 of O. Reg. 419/05 and the guidance in the MOE document "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated March 2009 and "Air Dispersion Modelling Guideline for Ontario" dated March 2009 and the minimum required information identified in the check-list on the reverse of this sheet has been submitted.

Company Contact:	_____
Name:	<u>Ken Dunwoody</u>
Title:	<u>President</u>
Phone Number:	<u>905-827-4133</u>
Signature:	<u></u>
Date:	<u>Oct 1, 2009</u>

Technical Contact:	_____
Name:	<u>Graeme Norval</u>
Representing:	<u>GWN Chemical Consulting, Inc.</u>
Phone Number:	<u>905.466.2940</u>
Signature:	<u></u>
Date:	<u>Oct 1, 2009</u>

EMISSION SUMMARY AND DISPERSION MODELLING REPORT CHECKLIST

Required Information		Submitted	Explanation/Reference
Executive Summary and Emission Summary Table			
1.1	Overview of ESDM Report	<input checked="" type="checkbox"/> Yes	
1.2	Emission Summary Table	<input checked="" type="checkbox"/> Yes	
1.0 Introduction and Facility Description			
1.1	Purpose and Scope of ESDM Report (when report only represents a portion of facility)	<input checked="" type="checkbox"/> Yes	
1.2	Description of Processes and NAICS code(s)	<input checked="" type="checkbox"/> Yes	
1.3	Description of Products and Raw Materials	<input checked="" type="checkbox"/> Yes	
1.4	Process Flow Diagram	<input type="checkbox"/> Yes	Not required
1.5	Operating Schedule	<input checked="" type="checkbox"/> Yes	
2.0 Initial Identification of Sources and Contaminants			
2.1	Sources and Contaminants Identification Table	<input checked="" type="checkbox"/> Yes	
3.0 Assessment of the Significance of Contaminants and Sources			
3.1	Identification of Negligible Contaminants and Sources	<input checked="" type="checkbox"/> Yes	
3.2	Rationale for Assessment	<input checked="" type="checkbox"/> Yes	
4.0 Operating Conditions, Emission Rate Estimating and Data Quality			
4.1	Description of operating conditions, for each significant contaminant that results in the maximum POI concentration for that contaminant	<input checked="" type="checkbox"/> Yes	
4.2	Explanation of Method used to calculate the emission rate for each contaminant	<input checked="" type="checkbox"/> Yes	
4.3	Sample calculation for each method	<input checked="" type="checkbox"/> Yes	
4.4	Assessment of Data Quality for each emission rate	<input checked="" type="checkbox"/> Yes	
5.0 Source Summary Table and Property Plan			
5.1	Source Summary Table	<input checked="" type="checkbox"/> Yes	
5.2	Site Plan (scalable)	<input checked="" type="checkbox"/> Yes	
6.0 Dispersion Modelling			
6.1	Dispersion Modelling Input Summary Table	<input checked="" type="checkbox"/> Yes	
6.2	Land Use Zoning Designation Plan	<input checked="" type="checkbox"/> Yes	
6.3	Dispersion Modelling Input and Output Files	<input checked="" type="checkbox"/> Yes	
7.0 Emission Summary Table and Conclusions			
7.1	Emission Summary Table	<input checked="" type="checkbox"/> Yes	
7.2	Assessment of Contaminants with no MOE POI Limits	<input checked="" type="checkbox"/> Yes	
7.3	Conclusions	<input checked="" type="checkbox"/> Yes	
Appendices (Provide supporting information or details such as...)			
		<input type="checkbox"/> Yes	

For Office Use Only			
Reference Number	Payment Received	Date (y/m/d)	Initials
	\$		

General Information and Instructions

General:

Information requested in this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and the *Environmental Bill of Rights*, C. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA. This form must be completed with respect to all requirements identified in the Guidance Material listed below in order for it to be considered an application for approval. **INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.** Even if the application is accepted as complete, the Ministry of the Environment may require additional information during the technical review of the application.

Instructions:

- Applicants are responsible for ensuring that they complete the most recent application form. When completing this form, please refer to the following Guidance Material: the "Guide to Applying for Approval (Air & Noise), Section 9, EPA" and the "Guide - Application Costs for Air Emissions, S. 9, EPA". Application forms and supporting documentation are available from the Environmental Assessment and Approvals Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment, and in the "Publications" section of the Ministry of the Environment website at <http://www.ene.gov.on.ca/envision/gp/index.htm#PartAir>.
- Questions regarding completion and submission of this application should be directed to the Environmental Assessment and Approvals Branch of the Ministry of the Environment at the address below or to the local District Office which has jurisdiction over the area where the facility is located. A list of these District Offices is available on the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/envision/org/op.htm#Reg/Dist>.
- A complete application package consists of a completed, signed application form and all required supporting information required by O. Reg. 419/05, identified in this form and the Guidance Material.
- Three application packages must be submitted to the Ministry of the Environment. Two application packages, the original and a copy must be sent to:

Ministry of the Environment,
Director, Environmental Assessment and Approvals Branch,
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario, M4V 1L5
Phone: 416-314-8001
Toll Free: 1-800-461-6290
Email: EAABGen@ene.gov.on.ca

These application packages should include a cheque, money order or credit card payment, in Canadian funds, made payable to the *Ontario Minister of Finance* for the applicable application fee. A third copy of the application package must be sent to the local District Office which has jurisdiction over the area where the facility is located.

- Information contained in this application form is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA) and the *EBR*. If you do not claim confidentiality at the time of submitting the information, the Ministry of the Environment may make the information available to the public without further notice to you. For more information, please refer to Section 4.9 of the "Guide to Applying for Approval (Air & Noise), Section 9, EPA".
- If the Applicant submits with the application a copy of their Master Business License (MBL) obtained from the Ministry of Government Services, the shaded sections within this form do not need to be completed (provided the information required appears on the face of the MBL). For additional information on the MBL please refer to Section 4.1 of the "Guide to Applying for Approval (Air & Noise), Section 9, EPA".

1. Applicant Information (Owner of works/facility)

Applicant Name (legal name of individual or organization as evidenced by legal documents)		Business Identification Number
Kencro Chemicals Ltd.		
Business Name (the name under which the entity is operating or trading if different from the Applicant Name - also referred to as trade name)		
Applicant Type:		North American Industry Classification System (NAICS) Code
<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Federal Government	325188
<input type="checkbox"/> Individual	<input type="checkbox"/> Municipal Government	
<input type="checkbox"/> Partnership	<input type="checkbox"/> Provincial Government	
<input type="checkbox"/> Sole Proprietor	<input type="checkbox"/> Other (describe):	
Business Activity Description (a description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.)		

2. Applicant Physical Address

Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
2172 Wycroft Road				Unit #4	
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory. Not required if Street Information is provided)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan			
Lot	Conc.	Part	Reference Plan		
Municipality/Unorganized Township	County/District	Province/State	Country	Postal Code	
Oakville	Halton	Ontario	Canada	L6L 5V6	

3. Site Information - (location where activity/works applied for is to take place)

Is this an application for a mobile facility?		Site Name		MOE District Office	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			Halton/Peel	
Address Information:					
Same as Applicant Physical Address? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (if no, please provide site address information below)					
Site Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan			
Lot	Conc.	Part	Reference Plan		
Non Address Information (includes any additional information to clarify applicants' physical location)					
Municipality/Unorganized Township		County/District		Postal Code	
Map Datum		Zone		Geo Reference	
				Accuracy Estimate	
				Geo Referencing Method	
				UTM Easting	
				UTM Northing	
Is the Site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?					
<input type="checkbox"/> Yes <i>if yes, please attach a copy of the NEPDA permit for proposed activity/work</i>					
<input checked="" type="checkbox"/> No					
Is the Site located on the Oak Ridges Moraine Conservation Area as defined by the Oak Ridges Moraine Conservation Plan (ORMCP), a regulation made under the Oak Ridges Moraine Conservation Act (ORMCA)?					
<input type="checkbox"/> Yes <i>if yes, please attach proof of Municipal planning approval for the proposed activity/work</i>					
<input checked="" type="checkbox"/> No					
Is the Applicant the operating authority?					
<input checked="" type="checkbox"/> Yes					
<input type="checkbox"/> No <i>if no, please attach the operating authority name, address and phone number</i>					
Is the Applicant the owner of the land (site)?					
<input type="checkbox"/> Yes					
<input checked="" type="checkbox"/> No <i>if no, please attach the owner's name, address and a signed letter granting consent for the installation and operation of the facilities</i>					
Has this facility and one or more adjacent facilities been deemed to be one property under s.4 of O. Reg. 419/05?					
<input type="checkbox"/> Yes <i>if yes, please attach supporting information</i>					
<input checked="" type="checkbox"/> No <i>*Note: all sources from the adjacent facility must be included in the Emission Summary and Dispersion Modelling Report.</i>					

4. Project Technical Information Contact

Name		Company			
Graeme Norval		GWN Chemical Consulting, Inc.			
Address Information:					
Same as Applicant Physical Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if no, please provide technical information contact address information below)					
Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
2009 Grenville Drive					
Delivery Designator:					
If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3)					
Municipality	Postal Station	Province/State	Country	Postal Code	
Oakville		Ontario	Canada	L6H 3Z3	
Telephone Number (including area code & extension)		Fax Number (including area code)		E-mail Address	
905-466-2940		905-466-6940		graeme.norval@sympatico.ca	

5. Project Information

Type of Application: <input type="checkbox"/> New Certificate of Approval for this Facility Did construction of the facility begin after November 30, 2005? <input type="checkbox"/> Yes <input type="checkbox"/> No Does the NAICS Code for the facility fall into Schedule 4 or 5 of O. Reg. 419/05? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Amendment to current Certificate of Approval <input type="checkbox"/> Basic Comprehensive Certificate of Approval <input type="checkbox"/> Consolidated Certificate of Approval	
Current Certificate of Approval Number 1511-5GGMD6	Current Certificate of Approval Date of Issue (yyyy/mm/dd) 2002/12/09
Application initiated by: <input checked="" type="checkbox"/> Proponent <input type="checkbox"/> Environmental Assessment and Approvals Branch <input type="checkbox"/> Provincial Officer Order (attach copy) <input type="checkbox"/> Other (specify): _____	
List all other environmental approvals/permits applied or received in relation to this project under the <i>Environmental Protection Act</i> , the <i>Ontario Water Resources Act</i> , the <i>Safe Drinking Water Act</i> , <i>Environmental Assessment Act</i> or any other related legislation. (Please attach a separate list if more space is required). none	
Project Description Summary (If EBR is applicable, this summary will be used in the EBR posting notice) Kencro Chemicals, Ltd., a company that packages and sells industrial chemicals, seeks to modify its existing Certificate of Approval (Air) - 1511-5GGMD6 - for its facility in Oakville, Ontario. The facility has been expanded, and one additional source has been added - the vent from sodium hypochlorite tanks. Some new products will be handled by the current scrubbers including citric acid and propylene glycol, which are emitted at de minimus levels. It is noted that the facility heating system is exempt because the maximum energy output is less than 1.58 GJ/hr.	
Project Name (Project identifier to be used as a reference in correspondence)	
Estimated date for start of construction/installation (yyyy/mm/dd)	Project Schedule Estimated date for start of operation (yyyy/mm/dd) October 1, 2009

6. O. Reg. 419/05 Requirements

Which of the following sections of O. Reg. 419/05 applies to the facility? <input type="checkbox"/> s.18 (Schedule 1) <input checked="" type="checkbox"/> s.19 (Schedule 2) <input type="checkbox"/> s.20 (Schedule 3)
If s.20 of O. Reg. 419/05 applies to the facility, do all new sources of contaminant meet the Good Engineering Practice (GEP) stack height requirements of s.15? <input type="checkbox"/> Yes <input type="checkbox"/> No
Has the facility been issued a notice or an order under s 7(1), 8(2), 10(2), 11(2), 13(2), 14(4), 17(3), 20(4) or 20(5)? <input type="checkbox"/> Yes If yes, please attach a copy of the notice, amended notice, revoked notice, order and/or additional supporting information <input checked="" type="checkbox"/> No
Has a request for approval for an alteration of a Schedule 3 standard under s. 32 of O. Reg. 419/05 been made for this facility? <input type="checkbox"/> Yes If yes, please attach a copy of ministry acknowledgement letter (if available) or an overview of the request <input checked="" type="checkbox"/> No
Do you exceed any s.30 Upper Risk Thresholds (Schedule 6)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach additional supporting information

7. Other Air Approvals for Facility – Please attach a separate list if more space is required

Separate list attached? Yes No

List all other environmental approvals issued to this facility under the Section 9 of the <i>Environmental Protection Act</i> . none	

8. Environmental Assessment Act (EAA) Requirements

Are the works for which this proposal is made subject to (or exempted from) the requirements of the EAA? Yes No

If "Yes," please check one of the following

- The works for which this application is made are exempt from the requirements of the EAA under:
 - Section _____ of Ontario Regulation No. _____ or
 - Declaration/Exemption Order Number _____

If Regulation, Declaration Order or Exemption Order does not refer directly to this facility, state in a covering letter or other document why it does apply to the facility – Please provide supporting information
- The works for which this application is made have fulfilled all of the requirements of the EAA through the completion of the Municipal Class EA process in accordance with the procedures set out in:
 - Schedule A Schedule B Schedule C

If Schedule A, was the project planned in accordance with section A.2.9 – Integration with the *Planning Act* of the Class EA?

Yes No

If Yes, please submit a copy of the summary required by section A.2.9.3 of the Class EA and a copy of the Planning Act notice.

If Schedule B or C of the Municipal Class EA, please submit a copy of the Notice of Completion.

Were Part II Order requests received? Yes No

If Yes, please submit a copy of the Minister's decision letter.
- The works for which this application is made have fulfilled all of the requirements of the EAA through the completion of the requirements of another class EA process:

Name of Class EA: _____

Schedule/Group/Category (if applicable): _____

If applicable, please submit a copy of the Notice of Completion.

Were Part II Order requests received? Yes No

If Yes, please submit a copy of the Minister's decision letter.
- The works for which this application is made have fulfilled all of the requirements for the Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA through:
 - Completion of an Environmental Screening.
 - Completion of an Environmental Review

Please submit the Statement of Completion, and indicate if any Elevation Request(s) were received.

If Elevation Request(s) were received, please submit a copy of the Director's decision letter.

If the Director's decision was appealed to the Minister, please submit a copy of the Minister's decision letter.
- The works for which this application is made have fulfilled all of the requirements of the EAA through the preparation of an environmental assessment.

Please submit a copy of the signed Notice of Approval.

Was this undertaking designated subject to the EAA by regulation? Yes No

If yes, please indicate the regulation: _____

9. Environmental Bill of Rights Requirements (EBR) Requirements

Is this a proposal for a prescribed instrument under EBR? Yes No

If "Yes", is this proposal exempted from EBR requirements? Yes No

If "Yes," please check one of the following

- This proposal has been considered in a substantially equivalent process or by a decision of a tribunal. **Please provide supporting information**
- This proposal is for an amendment to or revocation of an existing Certificate of Approval that is not environmentally significant. **Please provide supporting information**
- This proposal is for an emergency situation. **Please provide supporting information**
- This proposal has been subject to or exempted from EAA Requirements. **Please provide supporting information**

10. Additional Public Consultation/Notification

Separate list attached? Yes No

Specify all public consultation/notification (such as public hearings, notification of First Nations, request for an Alternative Standard under s.32 of O. Reg. 419/05, etc.) related to the project that have been completed or are in the process of being completed. Please attach a separate list describing each of these consultation activities, the results achieved, and planned future consultation activities.

none

11. List of Attachments - This is a list of all supporting information to this application and is subject to the Freedom of Information and Privacy Protection Act and the Environmental Bill of Rights.

Attachment	Attached	Reference	Can be disclosed
Information Required by Application Form			
Supporting Information Worksheet - Supplement to Application for Approval, EPA S.9 (PIBS 4873)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Costs for EPA S.9 Applications - Supplement to Application for Approval (PIBS 4108)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Application Fee (cheque or money order attached or credit card information provided)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Information Supporting Compliance with O. Reg. 419/05			
Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s.22 of O. Reg. 419/05 (including signed checklist - PIBS 5357e)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, indicate why: <input type="checkbox"/> Minor Amendment (no technical review) <input type="checkbox"/> Equipment Subject to Streamlined Review <input type="checkbox"/> Subsurface Approval	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit - Supplement to Application for Approval, EPA S.9 (PIBS 4872)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Information Supporting Compliance with Noise and Vibration Guidelines			
Noise Screening Process for S.9 Applications - Supplement to Application for Approval (PIBS 4871)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the Equipment/Facility meet minimum separation distance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If the Equipment/Facility does not meet minimum separation distance, then attach:			
1. Acoustic Assessment Report including signed checklist (PIBS 5356e)	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Vibration Assessment Report	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Other Information Supporting Compliance With Applicable Regulations and Guidelines or to Describe the Project (include separate list if required)			
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

12. Payment Information

Amount Enclosed: **\$ 900** Please attach completed "Costs for EPA s.9 Applications - Supplement to Application for Approval" (PIBS 4108).

Method of Payment
 Cheque Money Order VISA MasterCard American Express

Credit Card Information (if paying by VISA, MasterCard or American Express)*
 Name on Card (please print) _____ Credit Card Number _____ Expiry Date (m/y) _____

Cardholder Signature _____ Date (y/m/d) _____

*NOTE: credit card accepted for payments UNDER \$10,000.00 only.

13. Statement of Applicant

I, the undersigned hereby declare that, to the best of my knowledge:

- The information contained herein and the information submitted in support of this application is complete and accurate in every way and I am aware of the penalties against providing false information as per s.184(2) of the Environmental Protection Act.
- The Project Technical Information Contact identified in section 5 of this form is authorized to act on my behalf for the purpose of obtaining approval under Section 9 of the EPA for the equipment/processes identified herein.
- I have used the most recent application form (as obtained from the Ministry of the Environment internet site at <http://www.ene.gov.on.ca/envision/gp/index.htm#PartA1> or the Environmental Assessment and Approvals Branch at 1-800-461-6290) and I have included all necessary information required by O. Reg. 419/05, identified on this form and in the Guidance Material.

Name of Signing Authority (please print) **Ken Dunwoody** Title **President**

Telephone Number (including area code & extension) **905-827-4133** Fax Number (including area code) **905-827-4145** E-mail Address **kunwoody@kencro.ca**

Signature  Date (y/m/d) **Oct 1, 2009**

Address Information:
 Same as Applicant Physical Address? Yes No (If no, please provide signing authority mailing address information below)
 Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction) _____ Unit Identifier (i.e. suite or apartment number) _____

Delivery Designator:
 If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3) _____

Municipality _____ Postal Station _____ Province/State _____ Country _____ Postal Code _____

SUPPORTING INFORMATION WORKSHEET SUPPLEMENT TO APPLICATION FOR APPROVAL, EPA S.9

This document lists the attachments to the Section 9 Application Form that may be required from an applicant. This worksheet is intended to assist applicants in completing the Application Form and should be read in conjunction with the Guide to Applying for Approval (Air and Noise) dated February, 2005.

This worksheet must be attached to a Section 9 Application Form to be considered complete

	Attachment	Guide to Applying Reference	Required if...	Included	Reference	Confidential
1.	Proof of Legal Name of Applicant	Section 4.1	Always Required unless Master Business Licence is submitted	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
2.	Copy of Master Business Licence	Section 4.2	Applicant is an Ontario Company and wishes to simplify the application process	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		Not Applicable
3.	Legal Survey	Section 4.3	If survey address is provided	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		
4.	Copy of NEDPA Permit	Section 4.3	Facility is within an area of development control as defined by the Niagara Escarpment Planning and Development Act	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5.	Copy of Municipal Planning Approval (ORMCA)	Section 4.3	Facility is within the Oak Ridges Moraine Conservation Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6.	Name, Address and Phone Number of the Operating Authority	Section 4.3	Equipment will be operated not by the applicant but by an Operating Authority	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7.	Name, Address and consent of the land/site owner for the installation/construction and operation of the equipment/facility	Section 4.3	Applicant is not the owner of the site where the facility is located	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

	Attachment	Guide to Applying Reference	Required if...	Included	Reference	Confidential
8.	Copy of current Certificate of Approval	Section 4.5	Application is for an amendment to a current CofA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		Not Applicable
9.	List of all environmental approvals/permits applied for relating to this project or received in relation to this project.	Section 4.5	Other environmental approvals/permits have been applied for or issued under the EPA or OWRA in relation to this project only	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
10.	Copy of Provincial Officer's Order requiring submission of application	Section 4.5	Application is a result of a Provincial Officer's Order	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
11.	List of all approvals issued to this facility under Section 9 of the <i>Environmental Protection Act</i>	Section 4.6	Previous Section 9 approvals have been issued to the facility	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
12.	Supporting information that proposal is not a Prescribed instrument under the EBR	Section 4.6	Application meets the requirements of O. Reg 681/94	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
13.	Supporting information relating to exemption from the public participation requirements of the <i>Environmental Bill of Rights</i> .	Section 4.7	Applicant is requesting that the proposal is exempt from posting on the Environmental Registry	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
14.	Supporting information relating to exemption from or fulfilment of requirements under the <i>Environmental Assessment Act</i> .	Section 4.7	Application is part of an undertaking subject to the EAA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
15.	List describing public consultation activities related to this project	Section 4.7,8	Applicant is involved in any public consultation / notification activities in addition to EBR / EAA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
16.	Application Fee	Section 4.10	Always Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		Not Applicable
17.	Financial Assurance	Section 2	If The Section 9 Director determines that Financial Assurance is necessary based on the nature of the Application (Waste Disposal Site or Remediation for example)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
18.	Applicant Fee Worksheet	Section 4.9	Always Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		Not Applicable

Please note: the release of information contained in application forms and documentation submitted in support of applications for approval is subject to the provisions of the *Freedom of Information and Protection of Privacy Act*. This Act defines what may and may not be disclosed to the public, and is used to assess all requests for information contained in the documents on file with an application for approval.

The information submitted with an application for approval may also be subject to the *Environmental Bill of Rights*. In those situations, the application and the associated non-confidential supporting documentation is made available for review by members of the public.

The applicants should therefore identify all documents as noted above which are to be considered confidential and must provide detailed evidence in support of this claim. This evidence will be one of the factors the ministry would consider when making a decision regarding disclosure of specific documents on file.

NOISE SCREENING PROCESS FOR S.9 APPLICATIONS SUPPLEMENT TO APPLICATION FOR APPROVAL

In order to obtain an approval under Section 9 of the EPA, applicants are, as a minimum, required to assess and document the impacts of all noise emissions from their facility on any noise sensitive locations defined as a Point of Reception. In order to facilitate this assessment, the ministry has developed a Noise Screening Process.

The Noise Screening Process has been developed for mining, utilities and manufacturing operations that are being reviewed by the Air and Noise Unit of the Environmental Assessment and Approvals Branch. Other facilities that require Section 9 approval can not use this Noise Screening Process. Applications for equipment identified as candidates for the Streamline Review Unit (SRU) should not complete this process, rather they should follow specific directions from the SRU. For more information about the types of applications that may be reviewed by the SRU, please refer to the Guide to Applying for Approval (Air & Noise) dated February, 2005.

The Noise Screening Process consists of the following Steps:

- | | |
|---------|---|
| Step 1: | Identify the closest Point of Reception to the facility. (Zoning Plan) |
| Step 2: | Determine the actual separation distance from the Point of Reception to the facility. (Scaled Area Location Plan) |
| Step 3: | Calculate the minimum required separation distance by completing the questionnaire on using the facility's North American Industrial Classification System Code and generic assumptions regarding the actual noise sources present at the facility. |
| Step 4: | Compare the actual separation distance determined in Step 2 with the minimum required separation distance calculated in Step 3 and sign the form. |

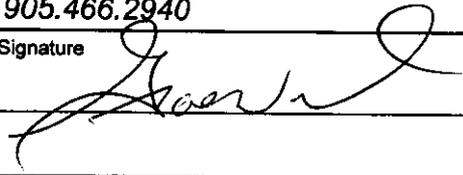
The Noise Screening Process is based on the fact that the noise emissions from any noise sources at a facility will not exceed ministry noise guidelines at the closest Point of Reception provided there is a sufficient separation distance between the facility's noise sources and the Point of Reception. Using conservative assumptions regarding the likely noise sources present at a facility, a procedure was developed for calculating the minimum required separation distance to achieve compliance with the ministry noise guidelines. If the actual separation distance from the facility to the closest Point of Reception is greater than the calculated minimum required separation distance, then no further action is required. The signed Noise Screening Process form would provide sufficient supporting information for the noise assessment required by the application process.

If the closest Point of Reception is closer than the minimum required separation distance calculated in Step 3 then further assessment is required. The application may still be approved as proposed and noise control measures may not be necessary; however, a more detailed noise impact assessment using site specific information on the noise sources present at the facility must be completed. The Zoning Plan and Scaled Area Location Plan required by the Noise Screening Process will form part of the required assessment outlined in the ministry publication NPC 233 "Information to be Submitted for Approval of Stationary Sources of Sound." See the Guide to Applying for Approval (Air and Noise) dated February, 2005 for more information on the minimum required supporting information to be included with an application that is unable to pass the Noise Screening Process.

1. Applicant Information

Company Name Kencro Ltd.	Site Name	North American Industry Classification System (NAICS) Code 325188
Site Address - Street information (applies to an address that has civic numbering and street information - includes street number, name, type and direction) 2172 Wycroft Road		Unit Identifier (identifies type of unit, such as suite & number) 4
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)		
Non Address Information (includes any additional information to clarify clients' physical location)		
Municipality/Unorganized Township Oakville	County/District Halton	Postal Code L6L 5V6

2. Noise Screening Process (please refer to the attached Noise Screening Process – Information & Instructions)

Step 1 Identify Closest Point of Reception (POR) (attach Land Use Zoning Designation Plan) POR Description <u>Residential</u> POR Acoustical Class (as per NPC-205 & NPC-232) <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3		
Step 2 Determine Actual Separation Distance (attach Scaled Area Location Plan) <u>600</u> m		
Step 3 Calculate Minimum Separation Distance (complete attached Noise Screening Process Questionnaire) <u>300</u> m		
Step 4 By signing this statement you are verifying that: <ul style="list-style-type: none"> I am the applicant or have been retained by the applicant, for the purposes of completing this Noise Screening Process; The closest Point of Reception has been identified and the Land Use Zoning Designation Plan provided by the Local Municipality is attached (Step 1); A Scaled Area Location Plan, prepared by myself, that identifies the facility, the closest Point of Reception and the actual minimum separation distance is attached (Step 2); I have accurately completed the Noise Screening Process questionnaire and identified all noise sources as required (Step 3); The actual separation distance from the facility to the closest Point of Reception, as determined in Steps 1 and 2, is greater than the minimum required separation distance determined in Step 3; and The facility belongs to one of the sectors for which the ministry has indicated the Noise Screening Process is applicable. 		
Name of Signing Authority (please print) Graeme Norval	Title: Consultant	Company: (if different from the Applicant) GWN Chemical Consulting,
Civic Address - Street information (includes street number, name, type and direction) <input type="checkbox"/> Same as Site Address 2009 Grenville Drive		Unit Identifier (identifies type of unit, such as suite & number)
Municipality Oakville	Postal Station	Province/State Ontario
		Country Canada
		Postal Code L6H 3Z3
Telephone Number (including area code & extension) 905.466.2940	Fax Number (including area code) 905.466.6940	E-mail Address
Signature 		Date (y/m/d) 2009/09/10

Noise Screening Process Questionnaire

Question 1

1 (a) - Is your facility NAICS Code Listed on Table 1.1 below?

Table 1.1 Industry with significant noise sources		
NAICS Code	Industry	Check all That Apply
21	Mining and Oil and Gas Extraction	<input type="checkbox"/>
22111	Electrical Power Generation	<input type="checkbox"/>
324	Petroleum and Coal Products Manufacturing	<input type="checkbox"/>
3251	Basic Chemical Manufacturing	<input type="checkbox"/>
32731	Cement Manufacturing	<input type="checkbox"/>
32741	Lime Manufacturing	<input type="checkbox"/>
3311	Iron and Steel Mills and Ferro-Alloy Manufacturing	<input type="checkbox"/>
3313	Alumina and Aluminium Production and Processing	<input type="checkbox"/>

1 (b) - Is any of the following equipment Listed on Table 1.2 below present at the facility?

Table 1.2 Equipment with significant noise emissions	
Equipment	Check all That Apply
Flares	<input type="checkbox"/>
Gas Turbines, Cogeneration Facilities or any other continuous or peak shaving electrical power generation equipment	<input type="checkbox"/>
Arc Furnaces	<input type="checkbox"/>
Asphalt Plants	<input type="checkbox"/>
High velocity or pressure atmospheric vents such as Gas Process Blow Down Devices	<input type="checkbox"/>
Rock, Concrete or Aggregate Crushing Operations	<input type="checkbox"/>
Individual Fans with flow rates in excess of 47 m ³ /s	<input type="checkbox"/>
Individual Pressure Blowers or Positive Displacement Blowers with static pressures in excess of 1.25 kilopascal	<input type="checkbox"/>

Did you answer "Yes" to Question 1(a) or 1 (b)?

Yes

No

If Yes, the minimum required separation distance is 1,000 m.

You have completed Step 3 of the Noise Screening Process, proceed to Step 4.

If No, proceed to Question 2

Proceed to Question 2

Question 2

2 - Is your facility NAICS Code Listed on Table 2 below?

Table 2 Industries with a 500 m Radius		
NAICS Code	Industry	Check all That Apply
22112	Electrical Power Transmission, Control and Distribution	<input type="checkbox"/>
2213	Water Sewage and Other Systems	<input type="checkbox"/>
321	Wood Product Manufacturing	<input type="checkbox"/>
322	Paper Manufacturing	<input type="checkbox"/>
325	Chemical Manufacturing (except 3251 as noted in Table 1.1 above)	<input checked="" type="checkbox"/>
326	Plastics and Rubber Products Manufacturing	<input type="checkbox"/>
325	Non-Metallic Mineral Product Manufacturing (except 32731 and 32741 as noted in Table 1.1 above)	<input type="checkbox"/>
331	Primary Metal Manufacturing (except 3311 as noted in Table 1.1 above)	<input type="checkbox"/>
332	Fabricated Metal Product Manufacturing (except 33271 and 3328)	<input type="checkbox"/>
333	Machinery Manufacturing	<input type="checkbox"/>
335	Electrical Equipment, Appliance and Component Manufacturing	<input type="checkbox"/>
336	Transportation Equipment Manufacturing	<input type="checkbox"/>

Did you answer "Yes" to Question 2?

Yes No

If Yes, the minimum required separation distance is as follows:

	Minimum Separation	Check the One That Applies
For Class 1:		
Daytime Operation Only (between 7:00 am and 7:00 pm)	300 m	<input checked="" type="checkbox"/>
Daytime and Afternoon shift only (between 7:00 am and 11:00 pm)	400 m	<input type="checkbox"/>
Other times (outside the hours of 7:00 am to 11:00 pm)	500 m	<input type="checkbox"/>
For Class 2:		
Daytime Operation Only (between 7:00 am and 7:00 pm)	500 m	<input type="checkbox"/>
Multi shifts (outside the hours of 7:00 am to 7:00 pm)	500 m	<input type="checkbox"/>
For Class 1:		
Any Operation	500 m	<input type="checkbox"/>

You have completed Step 3 of the Noise Screening Process, proceed to Step 4

If No, proceed to Question 3

Question 3

3 - Provide information on the facility and any noise sources that may be present by answering the following questions to determine a Score for noise sources located at the facility:

		Check one for each question	Value	Score
(a) What is the area of the enclosed buildings of the facility?				
$< 650 \text{ m}^2$	$< 7,000 \text{ ft}^2$	<input type="checkbox"/>	20	
$650 \text{ m}^2 \text{ to } < 2,300 \text{ m}^2$	$7,000 \text{ ft}^2 \text{ to } < 25,000 \text{ ft}^2$	<input type="checkbox"/>	25	
$2,300 \text{ m}^2 \text{ to } 9,300 \text{ m}^2$	$25,000 \text{ ft}^2 \text{ to } 100,000 \text{ ft}^2$	<input type="checkbox"/>	30	
$> 9,300 \text{ m}^2$	$> 100,000 \text{ ft}^2$	<input type="checkbox"/>	40	
multi building		<input type="checkbox"/>	40	
(b) Are any cooling towers located at the facility?				
Yes				
- Total of all cooling towers less than 20 horsepower	$< 15 \text{ kW}$	<input type="checkbox"/>	10	
- Total of all cooling towers from 20 to 100 horsepower	$15 \text{ to } 75 \text{ kW}$	<input type="checkbox"/>	20	
- Total of all cooling towers greater than 100 horsepower	$> 75 \text{ kW}$	<input type="checkbox"/>	40	
No				
(c) Are any outdoor air cooled chillers located at the facility?				
Yes				
- Total of all chillers less than 150 ton	$< 530 \text{ kW}$	<input type="checkbox"/>	10	
- Total of all chillers from 150 to 1,000 ton	$530 \text{ to } 3,500 \text{ kW}$	<input type="checkbox"/>	20	
- Total of all chillers greater than 1,000 ton	$> 3,500 \text{ kW}$	<input type="checkbox"/>	40	
Yes				
(d) Are any air compressors used to provide process air or for pneumatic conveying systems located at the facility?				
Yes				
- Total of all compressors less than 10 horsepower	$< 7.5 \text{ kW}$	<input type="checkbox"/>	10	
- Total of all compressors from 10 to 75 horsepower	$7.5 \text{ to } 56 \text{ kW}$	<input type="checkbox"/>	20	
- Total of all compressors greater than 75 horsepower	$> 56 \text{ kW}$	<input type="checkbox"/>	40	
No				
(e) Is a boiler located at the facility?				
Yes				
- Total heat input of all boilers less than 10 million BTU/hr	$< 2,930 \text{ kW}$	<input type="checkbox"/>	10	
- Total heat input of all boilers from 10 to 67 million BTU/hr	$2,930 \text{ to } 19,600 \text{ kW}$	<input type="checkbox"/>	20	
- Total heat input of all boilers greater than 67 million BTU/hr	$> 19,600 \text{ kW}$	<input type="checkbox"/>	40	
No				
(f) What is the total volumetric flow rate of all process exhaust and general ventilation fans?				
$< 5 \text{ m}^3/\text{s}$		<input type="checkbox"/>	0	
$5 \text{ m}^3/\text{s} \text{ to } < 10 \text{ m}^3/\text{s}$		<input type="checkbox"/>	10	
$10 \text{ m}^3/\text{s} \text{ to } < 15 \text{ m}^3/\text{s}$		<input type="checkbox"/>	20	
$15 \text{ m}^3/\text{s} \text{ to } < 20 \text{ m}^3/\text{s}$		<input type="checkbox"/>	30	
$> 20 \text{ m}^3/\text{s}$		<input type="checkbox"/>	40	
(g) Are any of the above air compressors, fan or blower motors located outside the building envelope?				
Yes				
Yes				
SUBTOTAL - Add Score from (a) to (g)				

Question 3 (continued)

Adjustments for Hours of Operation		Check one	Value	Score
Class 1	Daytime Operation Only (between 7:00 am and 7:00 pm) *	<input type="checkbox"/>	-20	
	Daytime and Afternoon shift only (between 7:00 am and 11:00 pm) **	<input type="checkbox"/>	-15	
	Other times (outside the hours of 7:00 am to 11:00 pm)	<input type="checkbox"/>	-10	
Class 2	Daytime Operation Only (between 7:00 am and 7:00 pm)*	<input type="checkbox"/>	-20	
	Multi shifts (outside the hours of 7:00 am to 7:00 pm)	<input type="checkbox"/>	-10	
Class 3	Daytime Operation Only (between 7:00 am and 7:00 pm)	<input type="checkbox"/>	-10	
	Multi shifts (outside the hours of 7:00 am to 7:00 pm)	<input type="checkbox"/>	0	
TOTAL ADJUSTMENT (A)				
Adjustments for Elevated Background Noise at Point of Reception (POR)***		Check one	Value	Score
Class 1	POR within 100 m of a 400 Series Freeway (e.g. 401)	<input type="checkbox"/>	-10	
	POR within 30 m of a Provincial Highway or Arterial Road (eg HWY 27, Keele St)	<input type="checkbox"/>	-10	
	POR at other locations	<input type="checkbox"/>	0	
Class 2	POR within 100 m of a 400 Series Freeway (e.g. 401)	<input type="checkbox"/>	-10	
	POR within 30 m of a Provincial Highway or Arterial Road (eg HWY 27, Keele St)	<input type="checkbox"/>	-10	
	POR at other locations	<input type="checkbox"/>	0	
Class 3	All locations	<input type="checkbox"/>	0	
TOTAL ADJUSTMENT (B)				
TOTAL SCORE - SUBTOTAL + TOTAL ADJUSTMENT (A) + TOTAL ADJUSTMENT (B)				

- * Note: the largest minimum separation distance for Daytime Operation only in Class 1 or 2 is 300 m.
- ** Note: the largest minimum separation distance for Evening and Daytime Operation only in Class 1 is 400 m
- *** Note: if Adjustments for Elevated Background Noise are used then the applicant must identify the next closest receptor outside the area of influence of the roadway and show that the actual separation distance to the next closest receptor is greater than the minimum required separation distance without adjustments.

Minimum Separation Distances – Based on Total Score (above)

Total Score	Minimum Separation Distance	Check the distance that applies
< 0 points	50 m	<input type="checkbox"/>
< 5 points	75 m	<input type="checkbox"/>
< 10 points	100 m	<input type="checkbox"/>
< 20 points	200 m	<input type="checkbox"/>
< 30 points	100 m	<input type="checkbox"/>
< 40 points	200 m	<input type="checkbox"/>
40 or more points	100 m	<input type="checkbox"/>
Distance:		m

NOISE SCREENING PROCESS – INFORMATION & INSTRUCTIONS

STEP 1: IDENTIFY CLOSEST POINT OF RECEPTION

The applicant must identify and locate the closest Point of Reception (POR) affected by any noise emissions that may arise from the operations at the facility. A Point of Reception is defined as “any point on the premises of a person where sound or vibration originating from other than those premises is received”.

The Point of Reception may be located on any of the following existing or zoned for future use premises:

- permanent or seasonal residences;
- hotels/motels;
- nursing/retirement homes;
- rental residences;
- hospitals;
- campgrounds; and
- noise sensitive buildings such as schools and places of worship.

For the Screening Process it is only required to identify the closest Point of Reception to the facility or any outdoor noise sources. For a more detailed assessment additional Point(s) or Reception may be required to be identified in other directions based on site specific conditions.

The closest Point of Reception must be selected using a **Land Use Zoning Designation Plan**. This plan indicates the approved local land use and nature of the neighbourhood for the area surrounding the facility. The plan must be based on up-to-date Zoning information provided by the Local Municipality. Zoning Designation Plans may be obtained from the planning department of the Local Municipality. This information may be in the form of hard copy zoning plans prepared by the municipality or electronic base maps showing local land use and features that may be available from the municipality to be printed by the applicant.

The Zoning information obtained from the Local Municipality must be detailed enough to clearly indicate the approved local land use for the individual properties surrounding the facility in a radius including the closest Point of Reception. The plan must include a scale and legend indicating the land use. The Zoning Information used to identify the closest Point of Reception must be attached to the Screening Process.

The Point of Reception Identification section should also describe the environmental noise climate at the Point of Reception in terms of the acoustical class, according to the following definitions:

- "Class 1 Area" means an area with an acoustical environment typical of a major population centre, where the background noise is dominated by the urban hum.
- "Class 2 Area" means an area with an acoustical environment that has qualities representative of both Class 1 and Class 3 Areas, and in which a low ambient sound level, normally occurring only between 23:00 and 07:00 hours in Class 1 Areas, will typically be realized as early as 19:00 hours.
Other characteristics which may indicate the presence of a Class 2 Area include:
 - absence of urban hum between 19:00 and 23:00 hours;
 - evening background sound level defined by natural environment and infrequent human activity; and
 - no clearly audible sound from stationary sources other than from those under impact assessment.
- "Class 3 Area" means a rural area with an acoustical environment that is dominated by natural sounds having little or no road traffic, such as the following:
 - a small community with less than 1,000 population;
 - an agricultural area;
 - a rural recreational area such as a cottage or a resort area; or
 - a wilderness area.

STEP 2: DETERMINE ACTUAL SEPARATION DISTANCE

The location of the closest Point of Reception must be shown on a figure, prepared by the applicant, to determine the actual separation distance from the facility to the Point of Reception. The figure is referred to as a **Scaled Area Location Plan**.

For the Purposes of the Screening Process it may be possible to use the Zoning information provided by the Local Municipality as the Scaled Area Location Plan. However, the information is usually better presented in two separate figures because the scale of zoning plans available from the Local municipality is usually too small to sufficiently show the level of detail required by the Scaled Area Location Plan.

This figure, prepared by the applicant, must clearly indicate the location of the facility, the facility property line, all buildings on the facility and any noise sources at the facility that are located outside of the building envelope, such as dust collectors located beside a building. For the purposes of the Screening Process, it is not required to identify all noise sources, such as roof-mounted exhaust fans, on the Scaled Area Location Plan. The Scaled Area Location Plan must also show and name all local roads and features of the neighbourhood for the area surrounding the facility within a radius that includes the closest Point of Reception identified in Step 1. The figure must include a legend and scale.

The actual separation distance is calculated from the closest facility wall or outside noise source, such as a dust collector located outside the facility, to the Property Line of the selected Point of Reception. For rural receptors in Class 3 Areas, where properties may be larger and may include areas that would not be considered noise-sensitive, Points of Reception are limited to locations within 30 metres of a dwelling or a camping area, where sound or vibration originating from other than those premises is received. The location of the closest Point of Reception must be shown on the figure and the actual separation distance from the facility to the Property line of the closest Point of Reception must also be shown as a line on the figure, measured in metres.

Base maps showing the features of the surrounding neighbourhood may be obtained from the Local Municipality, Ministry of Natural Resources or other mapping companies.

The plan may include the location and features of all buildings surrounding the facility and include the topography of the surrounding area should it have an effect on the transmission of noise to a Point of Reception. However for the Screening Process this is usually not necessary. This information is required for a more detailed noise assessment.

Note: For larger facilities with outdoor noise sources, this process may have to be repeated for each outdoor noise source and different Points of Reception in order to identify the shortest actual separation distance to the closest Point of Reception.

STEP 3 – CALCULATE MINIMUM REQUIRED SEPARATION DISTANCE

Applicants are required to complete the Noise Screening Process questionnaire to calculate the minimum required separation distance that will result in compliance with the noise guidelines for the facility. Generic separation distances have been supplied that should provide a sufficient separation distance for a facility based on the type of operations conducted at the facility and the size and quantity of common noise sources associated with the type of facility under review. The minimum required distances have been provided from 1,000 m to 50 m. If a facility is closer to a Point of Reception than 50 m, you can not use this process. Conversely, if a facility is well sited, located more than 1,000m from a Point of Reception, then a detailed noise assessment is not required.

Applicants must use the North American Industry Classification System (NAICS) Code required by the application form to describe the facility. The NAICS code is determined in accordance with the Statistics Canada publication "North American Industry Classification System (NAICS) 2002 - Canada". For more information on determining the NAICS Code for a business please see www.statcan.ca. This screening process only applies to facilities with NAICS Codes starting with 21, 22, 31, 32 or 33. **If the NAICS code for the facility does not fall into one of these sectors then this step of the Screening Process can not be used.**

The following explanations are intended to assist with completing the Questionnaire:

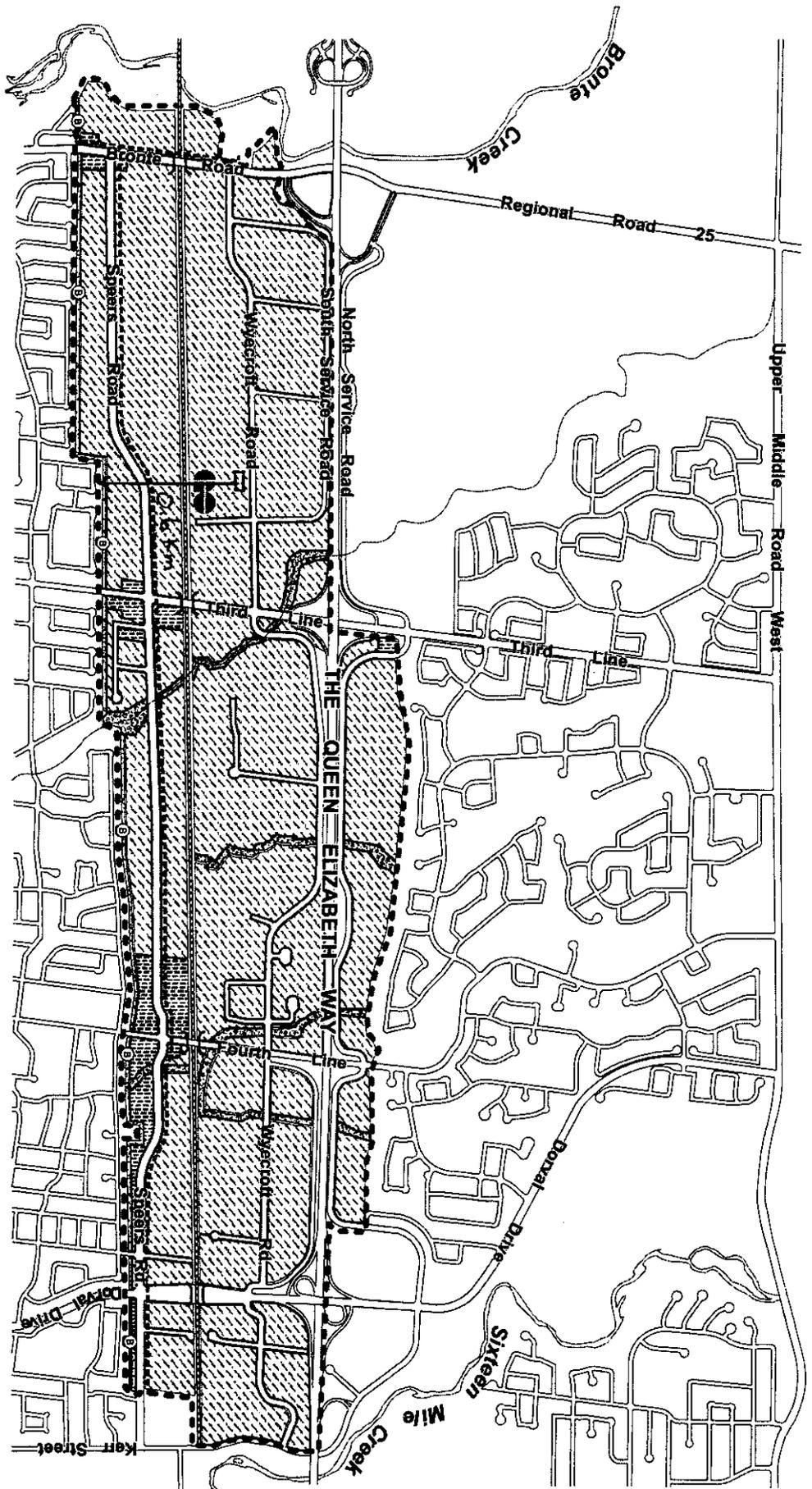
Table 1.2 The presence of any one piece of equipment identified on this table should be indicated in the appropriate check box. The reference to fans and blowers is for individual large fans or blowers only. It is not required to sum the total volumetric flow rate or pressure drops across all fans or blowers at the facility. The applicant

must include any fans or blowers located on delivery trucks that supply or transport raw materials or products from the facility.

- Table 1.2 The applicant must identify large atmospheric vents that are associated with process pressure vessels, or piping such as natural gas blow down valves at pipeline compressor stations. This category of equipment is not intended to capture mandatory steam release valves from commercial boilers.
- Question 3 For each type of equipment identified on this table the total rating for all similar pieces of equipment should be summed and indicated in the appropriate question.
- Question 3(f) The applicant is required to sum the total maximum volumetric flow rate for all process or general ventilation fans or blowers at the facility that are not directly referenced elsewhere in the table. If fans are capable of operating at two speeds the higher volumetric flow rate should be used. It is not necessary to include fans associated with cooling towers or part of packaged HVAC equipment. Fans serving condensers or other cooling units should be included. The applicant must include any fans or blowers located on delivery trucks that supply or transport raw materials or products from the facility.
- Question 3(g) The applicant is required to identify if any motors powering any of the fans, blowers or air compressors are located outside the building envelope. For example if a fan serving a dust collector is located outside then the answer is yes. If the fan and dust collector are inside the building envelope the answer is no.

STEP 4: STATEMENT FACILITY MEETS SCREENING REQUIRMENTS

If an applicant can demonstrate through this screening process that the actual separation distance from the facility to the closest Point of Reception shown on the Scaled Area Location Plan is greater than the minimum required separation distance calculated in Step 3, then the person who conducted the Noise Screening Process must complete and sign off in Step 4.



Legend:

-  Employment
-  Arterial Commercial
-  Walk/Cycle Ways
-  Buffer Strip
-  Natural Area
-  Grade Separation
-  District Boundary

NOTE: This figure forms part of the Official Plan and must be read together with the text and the accompanying tables at the front of this document.

Scale
7 cm = 1.9 km

**FIGURE EMP. B
LAND USE
O.E.W. WEST
EMPLOYMENT DISTRICT**

Town of Oakville
Official Plan
Planning Services Department
Technical Services Business Unit
September 2006



COSTS FOR EPA s.9 APPLICATIONS SUPPLEMENT TO APPLICATION FOR APPROVAL

Information requested in this form is collected under the authority of the Environmental Protection Act, R.S.O. 1990 (EPA) and the Environmental Bill of Rights, c. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA. This form is a supplement to the Application for Approval (Air & Noise) and should be submitted with all applications for approval under Section 9 of the EPA.

O.Reg. 363/98 "Fees – Certificates of Approval" requires applicants for a certificate of approval under Section 9 of the EPA to pay a fee at the time of submitting the application. This fee must be calculated in accordance with the Fees Regulation. **Applications that do not include the correct fee amount will not be processed by the EAAB.** This form is intended to assist applicants in calculating the correct fee amount in accordance with the Fees Regulation. For instructions/assistance completing this form, please refer to the publication titled: "Guide: Application Costs for Air Emissions, s.9 Environmental Protection Act". This form and associated publications are available on the Ministry of the Environment web site at <http://www.ene.gov.on.ca/envision/gp/index.htm#PartAir> or by contacting the Environmental Assessment and Approvals Branch at 1-800-461-6290 or (416) 314-8001.

Company Name Kencro Ltd.		Site Name	
Site Address - Street information (includes street number, name, type and direction) 2009 Wyecroft Road			Unit Identifier (unit, suite, apt, etc) Unit#4
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)			
Non Address Information (includes any additional information to clarify clients' physical location)			
Municipality/Unorganized Township Oakville	County/District Halton	Postal Code L6L 5V6	

Application Type: Indicate the applicable aspect(s) of the application and complete the corresponding section(s) of this form.

<input checked="" type="checkbox"/> Application that requires technical review (Section 1) Applications for a Greenfield facility, an existing facility that does not have any approvals, amendment to an existing CofA to add new equipment or to consolidate existing equipment into one CofA or for a Basic Comprehensive Certificate of Approval
<input type="checkbox"/> Revocation of an existing approval that requires technical review (Section 2) This application is to revoke an existing approval or condition on a certificate of approval that requires a technical review such as a groundwater remediation system, air pollution control equipment (cyclone, dust collector); noise control measures (silencer, barrier)
<input type="checkbox"/> Administrative amendment of an existing approval (Section 3) This application is for a minor amendment to an existing approval such as a minor technical correction, etc, that does not require a technical review
<input type="checkbox"/> Fee exempted amendment or revocation of an existing approval that does not require technical review (Section 4) This application is required by a condition on a Certificate of Approval, or to revoke a CofA for equipment/facility that is no longer in operation and does not require technical review
<p>Note: If you are seeking a Preliminary Review as defined by the Fee Regulation please contact the EAAB to discuss prior to proceeding with the application.</p>

SECTION 1: Application that Requires Technical Review
Complete tables 1, 2 & 3 and enter your information in the summary table below.

(√)		Description	Cost
<input checked="" type="checkbox"/>	A	Administrative processing (always required for all applications)	\$ 200
<input checked="" type="checkbox"/>	B	Fixed Cost Review for Equipment (Table 1)	\$ 700
<input checked="" type="checkbox"/>	C	Emission Summary and Dispersion Modelling Report Review (Table 2)	\$ 0
<input type="checkbox"/>	D	Noise Assessment Review (Table 3)	\$
TOTAL COST:			\$ 900

TABLE 1: Fixed Cost Review for Equipment

This table is to be used for new applications or for amendments or revocation to an existing approval. Applicants must identify all equipment that is the subject of the application and include the equipment in the appropriate category on the table. Sections used should be indicated in the left hand column. Equipment that has been previously approved does not have to be included on the table provided that the existing approved equipment is not being modified by the application.

Table 1.1 Equipment subject to Site-wide Fees					
(√)		Description	Equipment Specification	Cost	Applicable Fee
<input type="checkbox"/>	1.1.1	Combustion Equipment that uses natural gas, propane, no. 2 oil, landfill gas or sewage treatment gas for fuel for the purpose of providing comfort heating or emergency power, producing hot water or steam, or heating material in a system that does not discharge to the atmosphere	Total Heat input of all units ≤ 50,000,000 kJ/hr	\$ 400	\$
<input type="checkbox"/>	1.1.2	Storage tanks	N/A	\$ 400	\$
<input type="checkbox"/>	1.1.3	Welding operations that use a maximum of 10 kilograms of welding rod per hour	N/A	\$ 400	\$
<input type="checkbox"/>	1.1.4	The application is for an amendment to an existing approval which will not result in an increase in the discharge of any contaminant that was reviewed by the Director for the purpose of issuing the existing certificate	N/A	\$400	\$

Applicable Fee is based on the type of equipment, if the equipment does not meet the description or specification then use table 1.3

Table 1.2 Equipment Subject to Individual Fees						
(√)		Description	Quantity of Equipment		Cost	Applicable Fee
			Formula to Calculate A	A		
<input type="checkbox"/>	1.2.1	Combustion Equipment that uses waste derived fuel for the purpose of providing comfort heating, burning ≤ 15 litres per hour	# of pieces of combustion equipment		x \$400 =	\$
<input type="checkbox"/>	1.2.2	Heat cleaning ovens used for parts cleaning, and associated parts washers or degreasing equipment, other than solvent degreasing equipment	# of heat cleaning ovens		x \$400 =	\$
<input type="checkbox"/>	1.2.3	Cooling towers	# of cooling towers divided by two, rounded up to the next whole number		x \$400 =	\$
<input type="checkbox"/>	1.2.4	Equipment used to control emissions of contaminants, other than a fume incinerator.	# of pieces of pollution control equipment		x \$400 =	\$
<input type="checkbox"/>	1.2.5	Laboratory fume hoods	# of laboratory fume hoods divided by 5, rounded up to the next whole number		x \$400 =	\$
<input type="checkbox"/>	1.2.6	Paint spray booths and associated equipment that have a design capacity of up to 8 litres per hour of paint	# of paint spray booths		x \$400 =	\$
<input type="checkbox"/>	1.2.7	Grain dryers	# of grain dryers		x \$400 =	\$

Applicable Fee is calculated based on the quantity of equipment, calculated using the formula specific for the equipment. Note the formula provides whole numbers only.

(√)	Description		Number of Sources	Cost	Applicable Fee
<input checked="" type="checkbox"/>	1.3.1	Equipment with a flow rate of less than or equal to 1.5 m ³ /second	1	x \$ 400 =	\$ 400
<input type="checkbox"/>	1.3.2	Equipment with a flow rate of greater than 1.5 m ³ /second		x \$1,200 =	\$
<input checked="" type="checkbox"/>	1.3.3	If one or more of the contaminants to which the application relates is not represented in the Ministry of the Environment publication titled "Summary of Point Impingement Standards, Point of Impingement Guidelines and Ambient Air Quality Criteria (AAQCs)" dated, September 2001 as amended from time to time.	N/A	\$300	\$ 300
TOTAL COST TABLE 1					\$ 700

Equipment (any plant, structure, apparatus, mechanism or thing that will discharge air and contaminants) that is the subject of the application that is not directly specified by Table 1.1 or 1.2 must be placed in one of the two categories in Table 1.3.

For equipment contained in this section of the table, multiple points of emission which satisfy specifically defined conditions of similarity will be considered equivalent to a single source when determining the application fee for a Certificate of Approval (Air).

The term "source" is defined in *Ontario Reg. 363/98, Fees ~ Certificates of Approval* as follows:

"source" means an individual point of emission or a distinct process or area from which emissions may originate, and,

- (a) if more than one stack or vent arises from a common process, that process is a source and the individual points or emission are not sources, and
- (b) if two or more separate processes, each of which discharges a distinct mixture of contaminants, are discharged to a common stack, each of the separate processes is a source.

Points of emission are considered "similar" if they satisfy the following conditions:

- (a) equivalent process activity;
- (b) common contaminant emissions;
- (c) emissions estimates are calculated using equivalent methods or formulas (with an allowance for modified process parameters); and
- (d) dispersion calculations are performed according to equivalent methods (with an allowance for modified process parameters) and considering equivalent Points of Impingement.

TABLE 2: Emission Summary and Dispersion Modelling Report Review

This table is to be used for new equipment applications at existing facilities or for amendments to existing approvals. Applicants must identify the number of sources described in the ESDM Report with contaminants common to the equipment forming the subject of the application to determine the cost as outlined in the table. Sources that have been approved and do not emit common contaminants do not have to be included in the determination of the number of sources.

(√)	Number of Sources	Previously Reviewed?	Cost
<input checked="" type="checkbox"/>	5 or less	No	\$ 0
<input type="checkbox"/>		Yes	\$ 0
<input type="checkbox"/>	6 to 10	No	\$ 1,000
<input type="checkbox"/>		Yes	\$ 800
<input type="checkbox"/>	11 to 20	No	\$ 2,000
<input type="checkbox"/>		Yes	\$ 1,600
<input type="checkbox"/>	More than 20	No	\$ 3,000
<input type="checkbox"/>		Yes	\$ 2,400
TOTAL COST TABLE 2			\$ 0

A "source" may include multiple points of emission, provided the points of emission are "similar".

Points of emission are considered "similar" if they satisfy the following conditions:

- (a) equivalent process activity;
- (b) common contaminant emissions;
- (c) emissions estimates are based on equivalent methods or formulas (with an allowance for modified process parameters); and
- (d) dispersion calculations are performed according to equivalent methods (with an allowance for modified process parameters) and considering equivalent Points of Impingement

When the ESDM Report is only for new sources, not previously approved, there is no cost for this review; it is included in the fixed cost for the particular discharge or equipment calculated under Table 1.

An ESDM Report may be considered previously reviewed when the equipment specified in the ESDM Report has been used to obtain a Certificate of Approval (Air) for that equipment in the past.

TABLE 3: Noise Assessment Review

This table is to be used for new applications or for amendments or revocation to an existing approval. Applicants must complete the Noise Screening Procedure included as an appendix in the ministry Document "Guide to Applying for Approval (Air and Noise)" dated January, 2005. If an applicant meets the screening requirements then no fee is required under this table. If the applicant does not meet the screening requirements and an Acoustic Assessment Report is required then the Applicants must identify all equipment that is included as a noise source in the Acoustic Assessment Report in the appropriate category on the following table. Sections used should be indicated within the left hand column. Equipment that has been previously approved does not have to be included on the table provided that the existing approved equipment is not being modified by the application.

(✓)	Description		Quantity of Equipment		Cost	Applicable Fee
			Formula to Calculate A	A		
<input type="checkbox"/>	3.1.1	Arc Furnaces	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.2	Asphalt Plants	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.3	Blow Down Devices	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.4	Co-generation Facilities	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.3	Crushing Operations	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.6	Flares	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.7	Gas Turbines	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.8	Pressure Blowers or Large Induced Draft Fans (flow rate > 47m ³ /second or static pressure > 1.25 kilopascals)	# of pieces		x \$2,250 =	\$

(✓)	Description		First 5 Pieces of Equipment	Additional Equipment	Cost
<input type="checkbox"/>	3.2.1	Equipment that has not previously been reviewed by the Section 9 Director in connection with an application for a certificate of approval with respect to the facility	\$400	\$100 x _____	\$
<input type="checkbox"/>	3.2.1	Equipment is identical to equipment for which a noise assessment was previously reviewed by the Section 9 Director in connection with an application for a certificate of approval with respect to the facility	\$400	\$50 x _____	\$

TOTAL COST TABLE 3					\$
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SECTION 2: Revocation of an Existing Approval that Requires Technical Review
Complete tables 1, 2 & 3 and enter your information in the summary table below

()	Description	Cost
<input type="checkbox"/>	A Administrative processing (always required for all applications)	\$ 200
<input type="checkbox"/>	B Fixed Cost Review for Equipment (Table 1)	\$
<input type="checkbox"/>	C Emission Summary and Dispersion Modelling Report Review (Table 2)	\$
<input type="checkbox"/>	D Noise Assessment Review (Table 3)	\$
	TOTAL COST:	\$

SECTION 3: Administrative Amendment of an Existing Approval

()	Description	Cost
<input type="checkbox"/>	Administrative amendment (no technical review involved)	\$ 100
	TOTAL COST:	\$

SECTION 4: Fee Exempted Amendment or Revocation of an Existing Approval that does not require technical review

()	Description	Cost
<input type="checkbox"/>	Administrative revocation (no technical review involved)	\$ 0
<input type="checkbox"/>	Any revocation requested as a result of requirements imposed by conditions of an existing approval	\$ 0
<input type="checkbox"/>	Any amendment requested as a result of requirements imposed by conditions of an existing approval	\$ 0
	TOTAL COST:	\$

**SUPPORTING INFORMATION FOR A MAXIMUM
GROUND LEVEL CONCENTRATION ACCEPTABILITY REQUEST
FOR COMPOUNDS WITH NO MINISTRY POI LIMIT
SUPPLEMENT TO APPLICATION FOR APPROVAL, EPA S.9**

This form "Contaminants with no Ministry POI Limits Summary Table" is to be completed by applicants when a contaminant with no Ministry POI Limit is identified as part of an Emission Summary and Dispersion Modelling (ESDM) Report. Environmental Assessment and Approval Branch (EAAB) staff will forward the completed Table as part of a Maximum Ground Level Concentration (GLC) Acceptability Request to the Standards Development Branch (SDB). For further information on the Maximum GLC Acceptability Request process please see the Guide to Applying for Approval (Air and Noise) dated February, 2005.

An application for a Certificate of Approval will not be recommended for approval until SDB indicates that the concentration at POI proposed in the application is acceptable and is not likely to cause an adverse effect. The EAAB requires that the applicant complete the form.

INSTRUCTIONS

Applicants must complete the Table as applicable and attach the required supporting information as outlined below. The source for the majority of this information will be the ESDM Report or in the Application Form. Applicants are required to reproduce this information as part of the Maximum GLC Acceptability Request process and attach the information to the form so that the Table and supporting information can be forwarded to SDB. References to the ESDM Report or Application Form are not acceptable.

Applicants are requested to include at least one copy of the Table and supporting information in an unbound section of the application to ease EAAB's forwarding of the request to SDB.

1. Completing Contaminants with no Ministry POI Limits Summary Table

The following information must be included on the Contaminants with no Ministry POI Limits Summary Table:

- The chemical name for each contaminant with no Ministry POI Limit identified in the ESDM Report. Standard nomenclature should be provided and the use of abbreviations or trade names should be minimized.
- The CAS number for each contaminant identified. The Chemical Abstracts Services (CAS) number is a unique identifier for a chemical. The following web sites may provide a convenient way to obtain specific CAS numbers:
<http://www.chemfinder.com>
<http://webbook.nist.gov/chemistry> - Scroll down to Search Options
<http://www.toxnet.nlm.nih.gov> - Click on ChemIDplus
- The Maximum half-hour aggregate emission rate, expressed in grams per second, for each contaminant identified. The emission rate must consider all sources for the contaminant from

the facility and be calculated using the Maximum Emission Rate Scenario provided in the ESDM Report.

- The nature of the emission for each contaminant identified whether the emission is continuous or intermittent. Continuous emissions are defined as processes that have little variability over a shift or 24 hour period such as painting lines or continuous process reactors. Conversely, intermittent process have significant variability in the operating schedule and resultant emission rates such as paint spray booths that require significant step time or batch reactors.
- The predicted maximum half hour POI concentration, expressed in micrograms per cubic metre ($\mu\text{g}/\text{m}^3$) for each contaminant identified. This includes a POI concentration calculated using the models outlined in Reg 346. Other models may be considered on a case-by-case basis.

2. Supporting Information

Information should be attached to the Form to provide additional information on the contaminants with no Ministry POI Limits and the facility as described below:

- Information that was used to identify the contaminant at the facility. This information may include but not be limited to:
 - a copy of the MSDS from the product identifying the contaminant(s) (if available);
 - the Emission Factor used, with proper references, to calculate the emission rate for the contaminant(s);
 - Source Assessment Testing results indicating the presence of the contaminant(s);
 - print outs from chemical properties services or references such as www.ccinfoweb.ccohs.ca or other sources;
 - any other information used by the applicant to identify the contaminant(s).
- Scaled Area Location Plan indicating the location of the facility, the facility property line, all buildings on the facility, all local roads and features of the neighbourhood for the area surrounding the facility. The Scaled Area Location Plan may be the same figure required by the Noise Screening Process (PIBS 4871) outlined in the Guide to Applying for Approval (Air and Noise) dated February, 2005.
- Information on the main Process(es) that give rise and any control equipment used to reduce the emission of each contaminant identified and any information on the handling guidelines and/or Codes of Practice that are used to control the emission for each contaminant identified if applicable. Codes of Practice followed that are recommended by a business or government organization should be specifically referenced.

Contaminants with no MOE POI Limits Summary Table



Company Name Kencro Ltd.		Site Name	North American Industry Classification System (NAICS) 325188
Site Address - Street information (applies to an address that has civic numbering and street information - includes street number, name, type and direction) 2172 Wyecroft Road			Unit Identifier (identifies type of unit, such as suite & number) Unit#4
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)			
Non Address Information (includes any additional information to clarify clients' physical location)			
Municipality/Unorganized Township Oakville	County/District Halton	Postal Code L6L 5V6	

Scaled Area Location Plan Attached

Contaminant ^(a,b,c)	CAS ^(d) Number	Maximum ½ Hour Emission Rate (g/s)	Emission Type Continuous (C) Intermittent (I)	Predicted Maximum ½ Hour Average POI ^(e) Concentration (ug/m ³)	Information on Contaminant (MSDS) Attached	Additional Supporting Information Attached to Form	For Office Use Only
1. Sodium Hypochlorite	7681-52-9	>0.01	I	> 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Sodium Bicarbonate	144-55-8	>0.01	I	> 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Sodium Carbonate	497-19-8	>0.01	I	> 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Sodium Persulfate	7775-27-1	>0.01	I	> 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Sodium Metabisulfite	7681-57-4	>0.01	I	> 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Urea	057-136	>0.01	I	> 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7.					<input type="checkbox"/>	<input type="checkbox"/>	
8.					<input type="checkbox"/>	<input type="checkbox"/>	
9.					<input type="checkbox"/>	<input type="checkbox"/>	
10.					<input type="checkbox"/>	<input type="checkbox"/>	
11.					<input type="checkbox"/>	<input type="checkbox"/>	
12.					<input type="checkbox"/>	<input type="checkbox"/>	
13.					<input type="checkbox"/>	<input type="checkbox"/>	

Notes:

- (a) Proper Chemical Name should be given (Abbreviations, acronyms, numeric codes, trade names and mixtures NOT ACCEPTABLE).
- (b) All chemicals associated with the same process/operation. should be grouped together.
- (c) If complete speciation of a mixture is not provided, the unspecified fraction will be assumed to be the most toxic compound, consistent with the available description.
- (d) CAS Number : Chemical Abstracts Services Number (UNIQUE Identifier for a chemical)
- (e) POI Concentration : Point of Impingement Concentration



Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 1511-5GGMD6

Kencro Chemicals Limited
2172 Wyecroft Road, Unit #4
Oakville, Ontario
L6L 5V6

Site Location: Kencro Chemicals
2172 Wyecroft Road, Unit #4
Oakville Town, Regional Municipality of Halton
L6L 5V6

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) packed bed scrubber, used to control emissions of hydrochloric acid (32% solution) during unloading from truck into storage tank and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- one (1) packed bed scrubber, used to control emissions of either acetic acid (99 % solution) or nitric acid (67 % solution) during unloading from truck into storage tanks and packaging, having a diameter of 0.5 metre, a packing height of 1.52 metres consisting 25.4 millimetres of Tri-Pack, a maximum sodium hydroxide (5% solution) scrubbing solution flow rate of 0.75 litre per second and a maximum inlet gas flow rate of 0.47 cubic metre per second, exhausting into the atmosphere through a stack, having an exit diameter of 0.25 metre, extending 2.74 metres above the roof and 9.14 metres above grade;
- four (4) storage tanks for the storage of sodium hydroxide (NaOH) 50% solution, potassium hydroxide (KOH) 45% solution, ferric chloride (FeCl₃) 45% solution, and sulfuric acid (H₂SO₄) 96% solution, respectively, exhausting into the atmosphere with its own vent parameters as outlined in the attached Schedule "A".

All in accordance with the application for a Certificate of Approval (Air) signed by K.G.(Ken) Dunwoody, dated June 24, 2002 and all supporting information. Facsimile transmittal dated

December 2, 2002 from Graeme Norval of GWN Chemical Consulting, Inc. to the Ontario Ministry of the Environment.

Schedule "A"

This Schedule "A" forms part of the Certificate of Approval (Air).

Source Identifier	Description	Volumetric flow rate (cubic metre per second)	Exit diameter (metre)	Vent height above grade (metre)	Vent height above the roof (metre)
1	NaOH	0.051	0.076	6.4	0.15
2	KOH	0.026	0.076	6.4	0.15
3	FeCl ₃	0.051	0.076	6.4	0.15
4	H ₂ SO ₄	0.051	0.076	6.4	0.15

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Company" means Kencro Chemicals Limited;
- (3) "Certificate" means this Certificate of Approval including Schedule "A", issued in accordance with Section 9 of the Act;
- (4) "Equipment" means the packed bed scrubbers described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provides written instructions to staff of the Company; and
- (6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:

- (1) prepare, before commencement of operation of the Facility, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Facility, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices, and as recommended by the Equipment Suppliers;
 - (b) emergency procedures;
 - (c) frequency of cleaning of the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Facility and the Equipment;
 - (e) procedures for recording and responding to environmental complaints relating to the operation of the Facility; and
 - (f) all appropriate measures to minimize noise and odorous emissions from all potential sources; and
- (2) implement the recommendations of the Manual.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition, the Company is required to keep records to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the Regulations and this Certificate.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;

4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
 Environmental Review Tribunal
 2300 Yonge St., 12th Floor
 P.O. Box 2382
 Toronto, Ontario
 M4P 1E4

AND

The Environmental Commissioner
 1075 Bay Street, 6th Floor
 Suite 605
 Toronto, Ontario
 M5S 2B1

AND

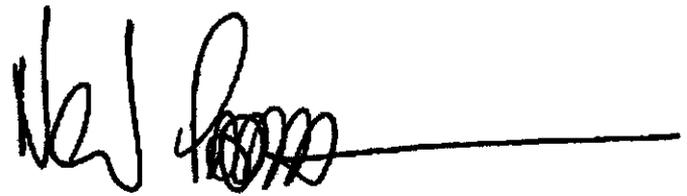
The Director
 Section 9, *Environmental Protection Act*
 Ministry of Environment and Energy
 2 St. Clair Avenue West, Floor 12A
 Toronto, Ontario
 M4V 1L5

* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 9th day of December, 2002



Neil Parrish, P.Eng.
 Director
 Section 9, *Environmental Protection Act*

ST/
 c: District Manager, MOE Halton-Peel
 Graeme Norval, GWN Chemical Consulting Inc.

THIS CERTIFICATE WAS ISSUED
 ON Dec 10/02
S. Sidhu
 (Signed)

la Consommation
et du Commerce
CERTIFICAT
Ceci certifie que les présents
statuts entrent en vigueur le

Ontario Corporation Number
Numéro de la compagnie en Ontario
7 68150

CERTIFICATE
This is to certify that these
articles are effective on

APRIL 6 **AVRIL 1988**

Al Higgins

Director
Companies Branch

Le Directeur
Direction des Compagnies

Trans Code A 18	Line No 0 20	Stat 0 28	Comp Type A 29	Method Incorp 3 30
Share S 31	Notice Req'd N 32	Jurisdiction ONTARIO 33		

**ARTICLES OF INCORPORATION
STATUTS CONSTITUTIFS**

1. The name of the corporation is: *Dénomination sociale de la compagnie:*

K E N C R O C H E M I C A L S L I M I T E D

2. The address of the registered office is: *Adresse du siège social:*

1367 Stanbury Road

*(Street & Number or R.R. Number & if Multi-Office Building give Room No.)
(Rue et numéro ou numéro de la R.R. et, s'il s'agit d'un édifice à bureaux, numéro du bureau)*

Oakville, Ontario

*(Name of Municipality or Post Office)
(Nom de la municipalité ou du bureau de poste)*

L 6 L 2 J 5
*(Postal Code)
(Code postal)*

**Regional Municipality of
Halton**

*(Name of Municipality, Geographical Township)
(Nom de la municipalité, du canton)*

in the Judicial District of Halton
*dans le/la (County, District, Regional Municipality)
(Comté, district, municipalité régionale)*

3. Number (or minimum and maximum number) of directors is: *Nombre (ou nombres minimal et maximal) d'administrateurs:*

Minimum number of directors is one (1).

Maximum number of directors is ten (10).

4. The first director(s) is/are: *Premier(s) administrateur(s):*

First name, initials and surname
Prénom, initiales et nom de famille

Residence address, giving street & No. or R.R. No. or municipality and postal code.
Adresse personnelle, y compris la rue et le numéro, le numéro de la R.R. ou, le nom de la municipalité et le code postal

Resident Canadian State
Yes or No
*Résident Canadien
Oui/Non*

**KENNETH G.
DUNWOODY s.21**

ROBERT T. CROWE

September 14, 2009

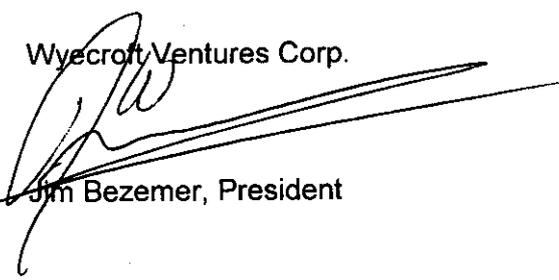
Director of the Environmental Approvals Branch
Ministry of the Environment
Floor 12A
#2 St. Clair Avenue West
Toronto, ON
M4V 1L5

Re: Kencro Chemicals Ltd, 2172 Wycroft Rd, Oakville

On behalf of the landlord, Wycroft Ventures Corp., we confirm that we are the owner of the property located at 2172 Wycroft Road, Oakville. We have leased units 3 through 5 to Kencro Chemicals Ltd. We are aware of their activities and business and we approve of their actions and the application for a modified Certificate of Approval (Air).

Yours truly

Wycroft Ventures Corp.


Jim Bezemer, President

High Priority

Task#

8,016,445

Cross Reference:

AI

C of A (AIR) Kencro Chemicals Limited, 2172 Wycroft Road, Unit 4, Oakville - MOE #6172-5BHRD4

Created On: **Oct 29, 2002**

By: **McKnight, Robin**

Halton-Peel District (Burlington)

Workplan Program/Activity: **Air, Approvals - Air & Noise**

Location: **Oakville, Town of**

Received: **Oct 29, 2002**

Due Date: **Nov 7, 2002**

Completed:

Assignments

Assigned	Assigned By	Assigned To	Required Product	Due Date	Completed
Oct 29, 02	McKnight, Robin	Cushman, Dorien	No application rec'd.	Nov 7, 02	

Keywords

Notes

see 8015527

Time

Date	Staff Name	Reg Hours	Other	SubTotal
Oct 29, 02	McKnight, Robin	0.10	0.00	0.10
		0.10	0.00	0.10

Ministry of the Environment
Environmental Assessment and
Approvals Branch
Floor 12A
2 St Clair Ave W
Toronto ON M4V 1L5
Fax: 416-314-8452
Telephone: (416) 314-8309

Ministère de l'Environnement
Direction des évaluations et des
autorisations environnementales
Étage 12A
2 av St Clair O
Toronto ON M4V 1L5
Télécopieur: 416-314-8452
Téléphone : (416) 314-8309



October 16, 2002

Ken Dunwoody, President
Kencro Chemicals Limited
2172 Wycroft Road, Unit #4
Oakville, Ontario
L6L 5V6

16445

Dear Sir/Madam:

**Re: Application for Approval of Air
Kencro Chemicals, Distributor of Various Acids/Alkalis
Oakville Town, Regional Municipality of Halton
MOE Reference Number 6172-5BHRD4**

We acknowledge receipt of your application for approval dated June 24, 2002 and received on June 27, 2002, and an application fee in the amount of \$3800.00 for the following:

Approval Type: Air
Project Description: Kencro Chemicals Ltd, a company that repackages and distributes chemicals, seeks a Certificate of Approval (Air) for four (4) roof vents, and two (2) scrubbers, which are to be used during transfer of chemicals from truck to storage tank and then to the final packages.
Site Location: Kencro Chemicals
2172 Wycroft Road, Unit #4
Oakville Town, Regional Municipality of Halton, Ontario

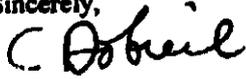
The Ministry's reference number for your application is 6172-5BHRD4. Please quote this number in any correspondence or enquiries regarding this application.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at this time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,



Craig Dobiech
Application Processor

c: District Manager, MOE Halton-Peel
Graeme Norval, GWN Chemical Consulting Inc.

Ministry of the Environment
Environmental Assessment and
Approvals Branch
Floor 12A
2 St Clair Ave W
Toronto ON M4V 1L5
Fax: 416-314-8452
Telephone: (416) 314-8309

Ministère de l'Environnement
Direction des évaluations et des
autorisations environnementales
Étage 12A
2 av St Clair O
Toronto ON M4V 1L5
Télécopieur: 416-314-8452
Téléphone : (416) 314-8309



October 16, 2002

"DISTRICT MANAGER

Ken Dunwoody, President
Kencro Chemicals Limited
2172 Wycroft Road, Unit #4
Oakville, Ontario
L6L 5V6

Input from the District on this application within two (2) weeks from the date of the acknowledgement letter is much appreciated. If you require more time to comment, please inform us how long you will need. If there is no response within the two (2) weeks, we will assume that there is no regional/district concern."

Dear Sir/Madam:

**Re: Application for Approval of Air
Kencro Chemicals, Distributor of Various Acids/Alkalis
Oakville Town, Regional Municipality of Halton
MOE Reference Number 6172-5BHRD4**

We acknowledge receipt of your application for approval dated June 24, 2002 and received on June 27, 2002, and an application fee in the amount of \$3800.00 for the following:

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2172 Wycroft Road, Unit #4
Oakville Town, Regional Municipality of Halton, Ontario

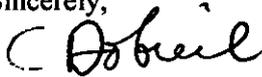
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Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at this time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,



Craig Dobiech
Application Processor

c: District Manager, MOE Halton-Peel
Graeme Norval, GWN Chemical Consulting Inc.

High Priority

Task#

8,015,527

Cross Reference:

AI

C of A (AIR) Kencro Chemicals Limited, 2172 Wycroft Road, Unit 4, Oakville

Created On: Jul 4, 2002

By: McKnight, Robin

Halton-Peel District (Burlington)

Workplan Program/Activity: Air, Approvals - Air & Noise

Location: Oakville, Town of

Received: Jul 4, 2002

Due Date: Jul 11, 2002

Completed:

Assignments

Assigned	Assigned By	Assigned To	Required Product	Due Date	Completed
Jul 4, 02	McKnight, Robin	Cushman, Dorien	Review & adv approvals of any concerns.	Jul 11, 02	

Keywords

Notes

*No concerning application
b/c PDD*

Time

Date	Staff Name	Reg Hours	Other	SubTotal
Jul 4, 02	McKnight, Robin	0.10	0.00	0.10
		0.10	0.00	0.10



KENCRO CHEMICALS

JUNE 26/2002

THE MINISTRY OF THE ENVIRONMENT
DIRECTOR, ENVIRONMENTAL ASSESSMENT & APPROVALS BRANCH
2 ST. CLAIR AVENUE WEST, FLOOR 12A
TORONTO, ONTARIO
M4V 1L5

MINISTRY OF
ENVIRONMENT & ENERGY

JUN 27 2002

ENCLOSED

HALTON PEEL
DISTRICT OFFICE

- COMPLETED FORM CERTIFICATE OF APPROVAL (AIR)
- BANK DRAFT - #35408197-054 - PAYABLE TO MINISTER OF FINANCE
- COPY OF PROVINCIAL OFFICER ORDER - #P252010
- FABRICATED PLASTICS - QUOTATION #02-0480 - JUNE 7/2002
- FABRICATED PLASTICS - "DESIGN BRIEF"
- OWNERS (UNITED BUILDING) - CONSENT - JUNE 24/2002
- COPY OF REGISTRATION OF INCORPORATION - LEGAL NAME - APRIL 6, 1988
- GENERAL PLAN - DISTANCE
- ROOF PLAN - VENTS/ STACKS
- SITE PLAN - STORAGE TANKS/AERIAL OVERVIEW
- PRODUCTION DATA
- HYDROCHLORIC ACID MANUFACTURER'S CORRESPONDENCE
- PIONEER - MAY 24/2002 - JUNE 24/2002
- CONTAMINANT EMISSION SUMMARY TABLE
- SITE INFORMATION - LEGAL SURVEY

15527

KENCRO CHEMICALS LIMITED


K.G. DUNWOODY

cc: D. Cushman
MOE Burlington, ON

KENCRO CHEMICALS LIMITED
2172 WYECROFT RD., UNIT 4, OAKVILLE, ONTARIO L6L 5V6
(905) 827-4133 Fax (905) 827-4145

000265

Page 266
is not relevant
est non pertinente



Reference Number	Payment Received \$	Date (y/m/d)	Initials
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General Information and Instructions

General:

Information requested in this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and the *Environmental Bill of Rights*, C. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA.

Instructions:

- When completing this form, please refer to the "Guide for Applying for Certificate of Approval (AIR), Section 9, EPA" (referred to as the Guide) and "Guide - Application Cost for Air Emissions, S. 9, EPA." Questions regarding completion and submission of the application should be directed to the Approvals Branch, 2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1L5, telephone number 1-800-461-6280 or (416) 314-8001or, or to your local District Office of the Ministry of the Environment.
- This form must be completed with respect to all requirements identified in the Guide in order for it to be considered as an application for approval. INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.
- A complete application consists of:
 - a completed and signed application form including the attached "Costs for EPA S. 9 Applications - Supplement to Applications for Approval";
 - all required supporting information identified in this form and the Guide, and
 - a certified cheque or money order, in Canadian funds, made payable to the *Minister of Finance* for the applicable application fee. The Ministry may require additional information during the technical review of any application accepted as complete.
- The original application, along with the supporting information and the application fee, must be sent to:
The Ministry of the Environment,
Director, Environmental Assessment and Approvals Branch,
2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1L5
A copy of the application and the supporting information must be sent to the local Ministry District Office which has jurisdiction over the area where the facilities are located.
- Information contained in this application is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA) and EBR. If you do not claim confidentiality at the time of submitting the information, the Ministry may make the information available to the public without further notice to you.
- If the Client submits with the application a copy of their Master Business Licence (MBL) obtained from the Ministry of Consumer and Commercial Relations, the shaded sections within this form do not need to be completed. For additional information on the MBL please refer to the "Guide."

1. Client Information (Owner of works/facility)

Client Name (legal name of individual or organization as evidenced by legal documents)		Business Identification Number
KENCRO CHEMICALS LIMITED		768150
Business Name (the name under which the entity is operating or trading if different from the Client Name - also referred to as trade name)		
Client Type:		Activity Classification Code/Standard Industrial Classification Code (if unknown please complete Business Activity Description)
<input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor		418410
<input type="checkbox"/> Federal Government <input type="checkbox"/> Municipal Government <input type="checkbox"/> Provincial Government <input type="checkbox"/> Other (describe):		
Business Activity Description (a narrative description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.)		
CHEMICALS - DISTRIBUTION, WHOLESALE, REPACKAGING		

2. Client Physical Address - Complete A, C and D or B, C and D

A. Civic Address - Street information (applies to an address that has civic numbering and street information includes street number, name, type and direction)		Unit Identifier (identifies type of unit, such as suite & number)	
2172 WYECROFT ROAD		UNIT #4	
B. Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)			
Lot and Concess.: used to indicate location within a subdivided township and consists of a lot number and a concession number.		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.	
C. Municipality/Unorganized Township		Province/State	Country
D. Telephone Number (including area code & extension)		Fax Number (including area code)	E-mail Address
D. OAKVILLE		HALTON	ONTARIO
905-827-4133		905-827-4145	CANADA
			Postal Code L6L 5V6

3. Client Mailing Address - Complete A and C or B and C

A. Civic Address - Street information (includes street number, name, type and direction)		<input checked="" type="checkbox"/> Same as Client Physical Address	Unit Identifier (identifies type of unit, such as suite & number)
B. Delivery Designator:	<input type="checkbox"/> Rural Route	<input type="checkbox"/> Suburban Service	<input type="checkbox"/> Mobile Route
	<input type="checkbox"/> General Delivery	Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)	
C. Municipality	Postal Station	Province/State	Country
			Postal Code

4. Site Information - (location where activity/works applied for is to take place)

Site Name	MOE District Office 4145 NORTH SERVICE RD. BURLINGTON, ONTARIO	Legal Description (attach copy of a legal survey) *(ATTACHED) 2172 WYECROFT RD. OAKVILLE, ONTARIO
A. Site Address - Street information (applies to an address that has civic numbering and street information - includes street number, name, type and direction)	<input checked="" type="checkbox"/> Same as Client Physical Address	Unit Identifier (identifies type of unit, such as suite & number)
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)		
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.	Lot	Conc.
		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.
		Part
		Reference Plan
C. Non Address Information (includes any additional information to clarify clients' physical location)		
PHYSICALLY - OPERATIONS - OCCUPY UNITS 4&5 AT 2172 WYECROFT ROAD		
Geo Reference		
Map Datum	Zone	Accuracy Estimate
		Geo Referencing Method
		UTM Easting
		UTM Northing
Municipality/Unorganized Township	County/District	Postal Code
Adjacent Land Use	Is the Site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?	
<input checked="" type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> Recreational
<input type="checkbox"/> Residential	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Other (specify):
	<input type="checkbox"/> Yes (If Yes, attach copy of NEPDA permit for the proposed activity/work)	<input checked="" type="checkbox"/> No
Is the Client the operating authority?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If No, attach the operating authority name, address and phone number.	Is the Client the owner of the land (site)?	
	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	If No, attach the owner's name, address and consent for the installation and operation of the facilities. UNITED BUILDING INVESTMENTS NO. 6 LTD	
	*(CONSENT ATTACHED)	

5. Project Technical Information Contact - Complete A, B, D and E or A, C, D, and E

A. Name	MR. LUIS MORAIS	Company	FABRICATED PLASTICS LIMITED	<input type="checkbox"/> Same as Client Name
Contact Address	2175 TESTON ROAD		<input type="checkbox"/> Same as Client Mailing Address	Unit Identifier (identifies type of unit, such as suite & number)
B. Civic Address - Street information (includes street number, name, type and direction)				
C. Delivery Designator:	<input type="checkbox"/> Rural Route	<input type="checkbox"/> Suburban Service	<input type="checkbox"/> Mobile Route	<input type="checkbox"/> General Delivery
	Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)			
D. Municipality	Postal Station	Province/State	Country	Postal Code
MAPLE		ONTARIO	CANADA	L6A 1T3
E. Telephone Number (including area code & extension)	Fax Number (including area code)		E-mail Address	
905-832-8161	905-832-2111		lmorias@fabricatedplastics.com	

6. Project Information

Type of Application: <input checked="" type="checkbox"/> New Certificate of Approval <input type="checkbox"/> Amendment to current Certificate of Approval	Current Certificate of Approval Number	Date of Issue (y/m/d)	Transfer of Review <input type="checkbox"/> Yes <input type="checkbox"/> No
Project Description Summary (If EBR is applicable, this summary will be used in the EBR posting notice)			
KENCRO CHEMICALS IS A DISTRIBUTOR OF VARIOUS ACIDS/ALKALIS. BESIDES DIRECT RESALE OF CHEMICAL PRODUCTS AS PURCHASED, KENCRO CHEMICALS REPACKAGES LIQUID PRODUCTS FROM ON-SITE STORAGE TANKS AS DETAILED ON DRAWINGS. PRODUCTS ARE DISPENSED FROM STORAGE TANKS BY GRAVITY AND PACKAGED "AS IS" INTO 205L DRUMS, 20L PAILS, 4L JUGS, 1L BOTTLES			
Project Name (Project identifier to be used as a reference in correspondence)			
Project Schedule Estimated date for start of construction/installation		Estimated date for start of operation	
Hours of Operation MONDAY-FRIDAY (INTERMITENT) Project DEPENDANT ON CUSTOMER ORDERS & PRODUCTS		MONDAY - FRIDAY - OFFICE	
Start Time 7:30 A.M.	Stop Time 3:30 P.M.	Start Time 7:00 A.M.	Stop Time 4:00 P.M.

7. Other Approvals / Permits

List all other environmental approvals/permits applied for related to this project or received in relation to this project under the *Environmental Protection Act* (discharges to air, waste management, etc.) and the *Ontario Water Resources Act* (water works).

8. Public Consultation/Notification

Specify all public consultation/notification (such as public hearings, notification of First Nations, etc.) related to the project that has been completed or is in the process of being completed.

9. Environmental Bill of Rights Requirements

Is this a proposal for a Prescribed instrument under EBR? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If "Yes," is it excepted from public participation? <input type="checkbox"/> Yes <input type="checkbox"/> No	If it is excepted from public participation provide reason: <input type="checkbox"/> Equivalent Public Participation <input type="checkbox"/> Environmentally Insignificant Amendment or Revocation <input type="checkbox"/> Emergency <input type="checkbox"/> EAA or Tribunal Decision
Documentation in support of the above noted exception must be provided (refer to "Guide")		

10. Supporting Information Checklist - This is a list of all supporting information to this application and is subject to the FOIPPA and EBR.

Supporting information	Attached	Reference	Can be disclosed
General			
Proof of Legal Name of Client	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Copy of NEPDA Permit	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Name, Address and Phone Number of the Operating Authority	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Name, Address and consent of land/site owner for the installation/construction and operation of the works/facility	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Documentation in support of EBR Public Participation Exception	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Proof of Public Consultation/Notification	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Technical			
Production Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Design Brief	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Engineering Drawings and Specifications	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Contaminant Emission Summary Table	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Supporting information for Estimate of Contaminant Emissions	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(as per design brief)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Site, Plot, Roof and Elevation Plans	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Supporting Information for Noise and Vibration Assessment	<input type="checkbox"/> Yes <input type="checkbox"/> No	(N/A)	<input type="checkbox"/> Yes <input type="checkbox"/> No
General Plan showing Distance to nearest Residential Zone	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	GREATER THAN 500 METERS TO RESIDENTIAL BUILDING	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Other Attached Information	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

11. Application Fee

Category Code	Category Description	Amount	Quantity	Sub Total
1	ADMINISTRATIVE PROCESSING	\$200.00	1	\$200.00
5	STORAGE TANKS	\$400.00	7	\$2800.00
12	SCRUBBER-DISCHARGE LESS THAN 1.5	\$400.00	2	\$800.00
Total:				\$3800.00

12. Statement of Client

I, the undersigned hereby declare that, to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate in every way and that the Project Technical Information Contact identified in section 5 of this form is authorized to act on my behalf for the purpose of obtaining approval under Section 9 of the EPA for the equipment/processes identified herein.

Name (please print)	Title
K. G. (KEN) DUNWOODY	PRESIDENT
Signature	Date (y/m/d)
	JUNE 24, 2002

13. Payment Information (including VISA or Mastercard information) NOTE: VISA & Mastercard accepted for payments UNDER \$1000.00 only.

Name (please print)	Signature	
VISA or Mastercard Number	Expiry Date (m/y)	Amount enclosed
		\$



Ministry of the Environment
Ministère de l'Environnement

Ontario

Provincial Officer Order

IDS number
9900060344

Field reference number
P252010

Environmental Protection Act, s. 157, 157.1, 157.2 R.S.O. 1990, c.E.19, as amended
Ontario Water Resources Act, s. 15, 15.1, 16.2, 15.3 R.S.O. 1990, c.O.40, as amended
Residential Act, s. 25.1, 26.2, R.S.O. 1990, c.P.11, as amended

*Version en français sur demande

To (Name of Person(s) or Company - May be multiple parties, include head office address(or home address), title, phone and fax)

<p>1 Kencro Chemicals Limited 2048 Salvator Blvd. Oakville ON L6L 5V6</p>	<p>2 Ken Dunwoody, President Kencro Chemicals Limited 2172 Wyecroft Road, Unit #4 Oakville ON L6L 5V6</p>
---	---

Site Location (include street address, lot, concession, etc.)

Kencro Chemicals Limited, 2172 Wyecroft Road, Unit #4, Oakville ON L6L 5V6

Work Ordered

No.	Description:
1.	The company shall retain a qualified consultant to assess all sources of emission to the atmosphere from the Site to determine which sources require a Certificate of Approval under Section 9 of the <i>Environmental Protection Act</i> .
2.	The company shall retain a qualified consultant to prepare an Emission Summary and Dispersion Modelling Report (ESDM Report) in accordance with the MOE "Procedure for Preparing an Emission Summary and Dispersion Modelling Report", dated June 1998, including the submission of the signed ESDM Report Checklist, in order to assess all common contaminants from the sources of emission that require approval identified as a requirement of Work Ordered Item 1.
3.	The company shall retain the services of a qualified consultant to complete and submit an application for a Certificate of Approval under the <i>Environmental Protection Act</i> , Section 9. The Certificate of Approval application shall be completed in accordance with the "Guide for Applying for Approval (Air), Section 9, Environmental Protection Act, R.S.O. 1990, Environmental Assessment and Approvals Branch, January 2000" and include a description of all sources of emission with out approval located at the above Site. The original application shall be sent to the Director of the Environmental Assessment and Approvals Branch, 2 St. Clair West, Floor 12A, Toronto, Ontario, M4V 1L5, complete with the appropriate fee, the ESDM Report prepared under Work Ordered Item 2, an updated ESDM Report that documents an abatement plan for the Site that may include process modifications and/or the installation of air pollution control measures to bring the Site into compliance if required, and a copy of this Provincial Officer's Order, no later than June 28, 2002 .
4.	A copy of the application for a Certificate of Approval prepared under Work Ordered Item 3 shall be sent to the Provincial Officer named below by June 28, 2002 .
A	While this order is in effect, a copy or copies of this order shall be posted in a conspicuous place.
B	While this order is in effect, report in writing, to the District office/Area office, any significant changes of operation, emission and ownership, tenancy or other legal status of the facility or operation.

Provincial Officer (print) Dorienne Cushman	Badge # 252	Date (YYYY/MM/DD) 2002/05/14
Signature 	District/Area Office Halton-Peel District Office	Phone 905-319-7035



UNITED BUILDING INVESTMENTS NO. 6 LTD.

2172 WYECROFT ROAD, UNIT #6
OAKVILLE, ONTARIO L6L 5V6
TELEPHONE (416) 847-5377

Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

Attention: Director of Environmental Assessment & Appeals Branch

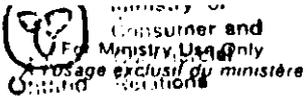
June 24, 2002

Re: Kencro Chemicals Limited
2172 Wyecroft Road, Unit 4
Oakville, Ontario
L6L 5V6

We acknowledge as owner of the above mentioned property (Section 4 – Site Information) and consent to the installation and operation of the facility as noted in the applicants application for approval (Air) enclosed here-in.

A handwritten signature in black ink, appearing to read 'H. Arth', is written over a horizontal line.

Henry Arth
President



CERTIFICATE
This is to certify that these articles are effective on

la Consommation
et du Commerce
CERTIFICAT
Ceci certifie que les présents statuts entrent en vigueur le

Ontario Corporation Number
Numéro de la compagnie en Ontario
7 68150

APRIL 6 **AVRIL 1988**

[Signature]

Director
Companies Branch

Le Directeur
Direction des Compagnies

Trans Code A 18	Line No 0 20	Stat 0 28	Comp Type A 29	Method Incorp 3 30
Share S 31	Notice Req'd N 32	Jurisdiction ONTARIO 33 _____ 47		

**ARTICLES OF INCORPORATION
STATUTS CONSTITUTIFS**

m 1
Business
Corporations
Act,
1982
Formule
numéro 1
Loi de 1982
sur les
compagnies

1. The name of the corporation is: *Dénomination sociale de la compagnie:*

K E N C R O C H E M I C A L S L I M I T E D

2. The address of the registered office is: *Adresse du siège social:*

1367 Stanbury Road

(Street & Number or R.R. Number & if Multi-Office Building give Room No.)
(Rue et numéro ou numéro de la R.R. et, s'il s'agit d'un édifice à bureaux, numéro du bureau)

Oakville, Ontario

(Name of Municipality or Post Office)
(Nom de la municipalité ou du bureau de poste)

L 6 L 2 J 5
(Postal Code)
(Code postal)

**Regional Municipality of
Halton**

(Name of Municipality, Geographical Township)
(Nom de la municipalité, du canton)

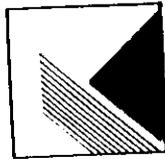
in the Judicial District of Halton
dans le/la (County, District, Regional Municipality)
(Comté, district, municipalité régionale)

3. Number (or minimum and maximum number) of directors is: *Nombre (ou nombres minimal et maximal) d'administrateurs:*

Minimum number of directors is one (1).
Maximum number of directors is ten (10).

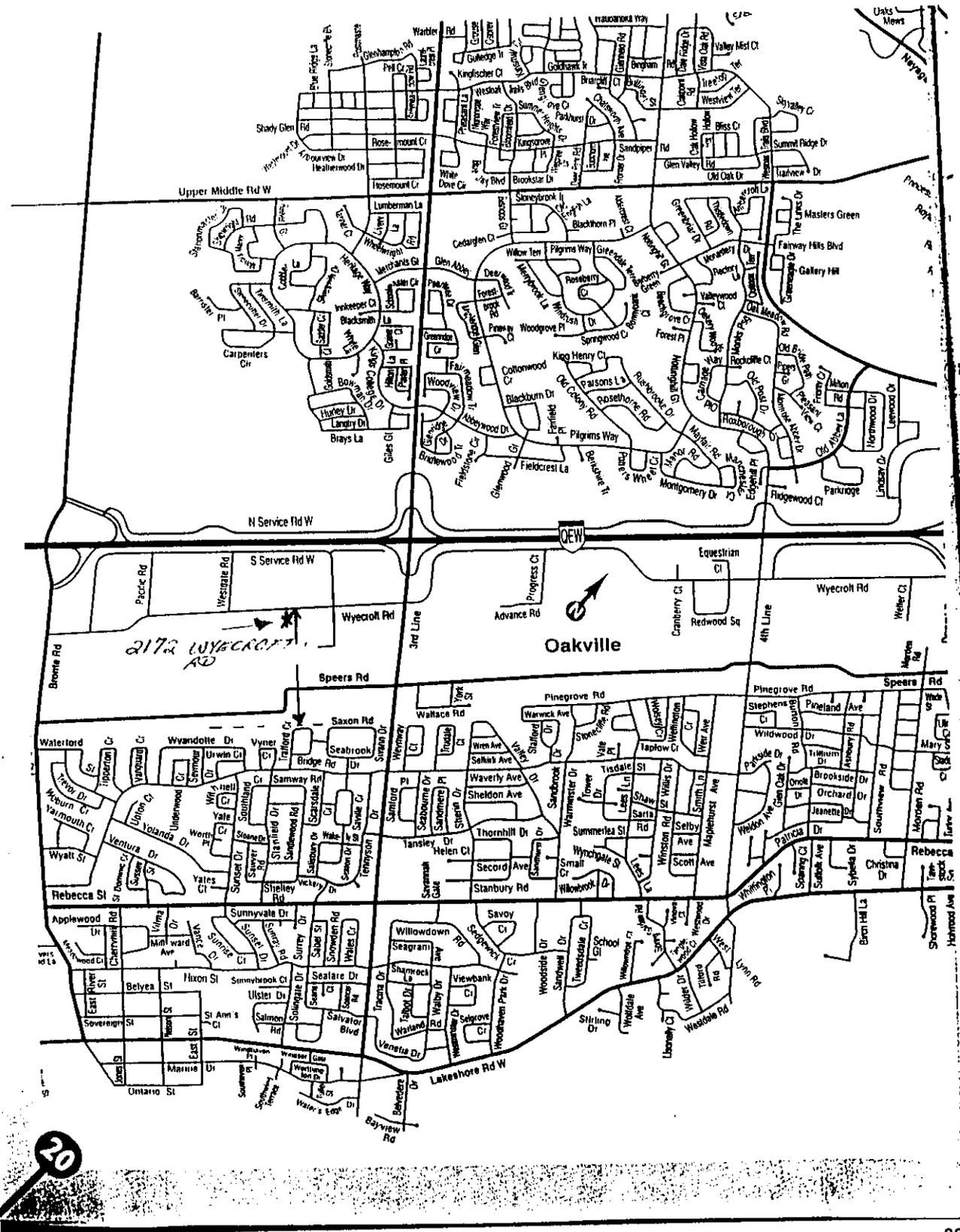
4. The first director(s) is/are: *Premier(s) administrateur(s):*

First name, initials and surname <i>Prénom, initiales et nom de famille</i>	Residence address, giving street & No. or R.R. No. or municipality and postal code. <i>Adresse personnelle, y compris la rue et le numéro, le numéro de la R.R. ou, le nom de la municipalité et le code postal</i>	Resident Canadian State Yes or No <i>Résident Canadien Oui/Non</i>
KENNETH G. s.21 DUNWOODY		
ROBERT T. CROWE		



KENCRO CHEMICALS

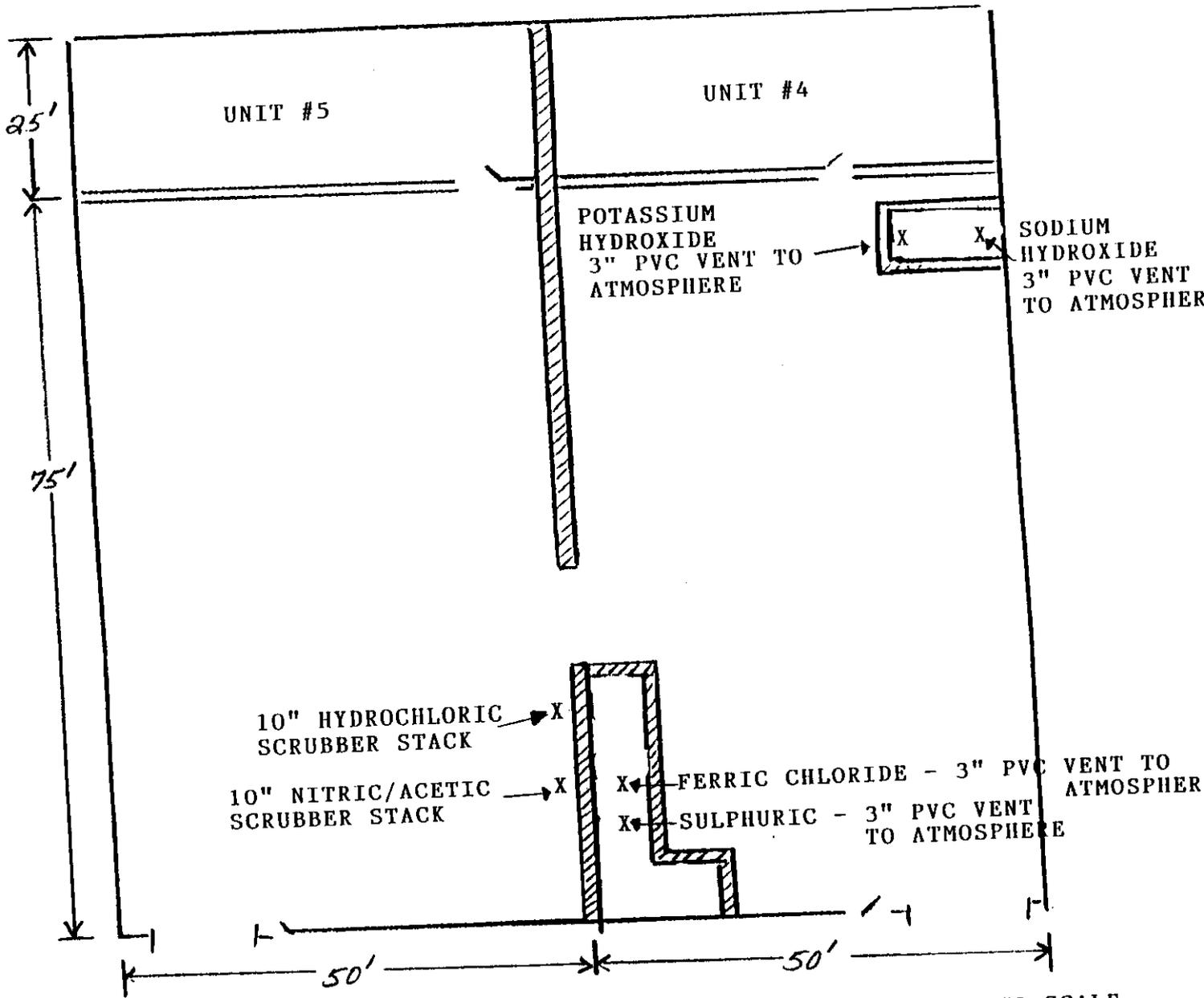
GENERAL PLAN SHOWING DISTANCE
TO NEAREST RESIDENTIAL ZONE - GREATER THAN 500 METERS





KENCRO CHEMICALS

ROOF PLAN-VENTS/STACKS

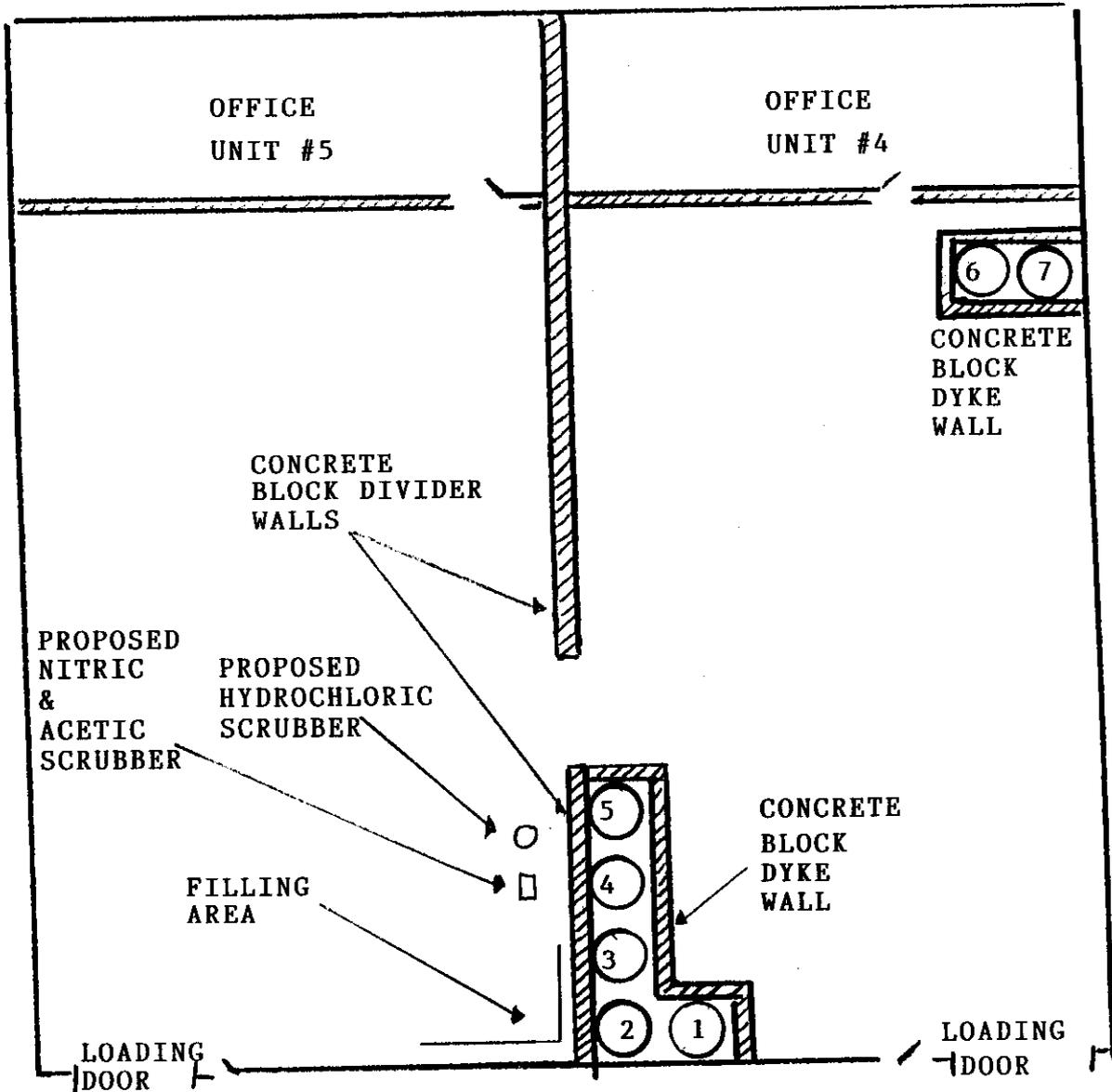


NOT TO SCALE



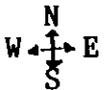
KENCRO CHEMICALS

SITE PLAN - AERIAL VIEW



LEGEND - STORAGE TANKS

- 1- NITRIC ACID - 67%
- 2- HYDROCHLORIC ACID - 31%
- 3- SULPHURIC ACID - 93%
- 4- FERRIC CHLORIDE - 45%
- 5- ACETIC ACID - 99%
- 6- POTASSIUM HYDROXIDE - 45%
- 7- SODIUM HYDROXIDE - 50%



NOT TO SCALE



KENCRO

CHEMICALS

PRODUCTION DATA

VOLUMES OF PRODUCTS FOR REPACKAGING

<u>PRODUCT DESCRIPTION</u>	<u>ANNUAL VOLUMES</u>
HYDROCHLORIC ACID 20°Be (31.45%)	1100 TE
NITRIC ACID 42°Be (67.2%)	160 TE
ACETIC ACID 99%	80 TE



May 24, 2002

Ken Dunwoody
Kencro Chemicals
Fax: (905) 827-4145

Pioneer Technology Centre
2101 Hadwen Road
Mississauga, Ontario
L5K 2L3
Telephone (905) 823-7160
Fax (905) 823-0044

Hi Ken:

Re: HCl Scrubber Information

CL1-43-63B

I hope that your meeting with Fabco went well. Here is some additional information to help with your scrubber CofA.

Vapour Data

The attached graphs provide data on the vapour concentrations above your various chemicals. For 20°Be HCl, the vapour pressure of HCl is 24 mm Hg (20°C). This means that 3% of the vapour space is HCl. If you receive 22°Be, the vapour pressure is 100 mm Hg, meaning that 14.5% of the vapour is HCl.

You can contrast this with KOH and NaOH; the vapour over top of these solutions is 100% H₂O, and vapour pressure is much lower, as indicated by the higher boiling point. The vapour pressure of H₂SO₄ over 92% H₂SO₄ (20°C) is 0.002 mm Hg, giving a vapour concentration of 20 ppm. The vapour pressure is even lower for higher strength sulfuric acid solutions.

The vapour pressure of HNO₃ over 65% nitric acid is 1.68 mm Hg, giving a vapour concentration of 0.2%. The vapour pressure of glacial acetic acid is 11.4 mm Hg, giving a vapour concentration of 1.5%. Consequently, the interest in scrubbing the vapours above the chemicals is HCl, then acetic acid then nitric acid.

Scrubbing Solutions

All of these vapours will be readily scrubbed using a dilute solution of caustic soda or caustic potash. A solution of 5% to 10% would be suitable. We can arrange to have someone teach you to analyse the solution to know when it needs to be changed.

Scrubber Design Basis

As we discussed yesterday, there are 2 scrubbing situations. The first is to scrub the fumes drawn during gravity filling, and the second is to scrub the fumes generated during truck unloading. As discussed, the gravity filling fume rate is obtained through reading the specifications off the fume blower. If there is no nameplate, then the manufacturer should be able to supply it from the model number.

The volume of truck air to be scrubbed can be estimated as follows. For a truck volume of 30 m³, and a truck pressure of 10 psig at the end, the volume of air is 21 m³, or 750 ft³. The truck drops its pressure over a 10 – 15 minute time period. As such, it is reasonable to expect that the maximum rate is ~150 ft³/min. This suggests an 8" – 12" scrubber would be suitable; a smaller diameter scrubber will work, but there will be more pressure drop, and a blower may be necessary.

Design Issues

When you have 2 separate systems using a common scrubber, you need reflect on certain problems in the design. It is important to ensure that the gas generated in the one system can not go down the other pipe and find an exit to the outside. In addition, it is important to ensure that the tanks are not able to have the vapour space sealed, as this can lead to rupture, either due to excess pressure or suction.

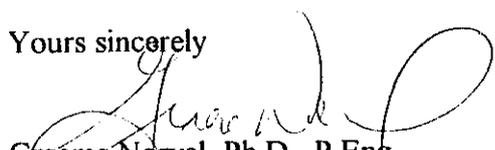
As an initial concept, I would suggest that the gravity blower fumes be directed into the scrubber tank, through a stinger (say 2" below the surface). This prevents fumes from truck unloading from backing into the workplace. Also, the blower will supply the pressure necessary to move the gas into the scrubber. The truck vents must be connected as vapour inlets to ensure that the tanks can breathe (draw air during draining).

It may be reasonable to suggest that a blower be installed at the top of the scrubber to ensure that the scrubber operates under a slight suction. This blower would be interlocked to the circulation pump. If this is chosen, then it is important to ensure that the blower can not pull enough suction to suck in the tanks – a small vacuum breaker may well be needed.

It is also worth considering whether to connect the vents of the nitric acid and acetic acid tanks to the same system. The incremental cost is small. I am somewhat concerned by the possibility of blowing HCl fumes into the steel tanks, so this needs some additional thought on the piping arrangement.

I hope this helps to get things going.

Yours sincerely



Graeme Norval, Ph.D., P.Eng.
Senior Research Engineer



June 24, 2002

Ken Dunwoody
Kencro Chemicals
Fax: (905) 827-4145

Pioneer Technology Centre
2101 Hadwen Road
Mississauga, Ontario
L5K 2L3
Telephone (905) 823-7160
Fax (905) 823-0044

Hi Ken:

Re: HCl Scrubbers CL1-43-63B

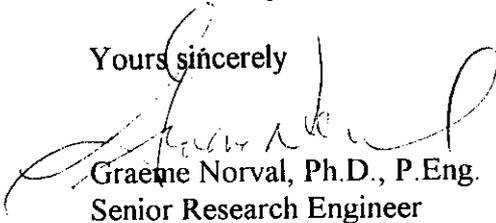
Thanks for providing me with the opportunity to review the detailed scrubber design prepared by FABCO, and the information package that you are preparing for the MOE. The systems they have developed should address all of the issues.

To reiterate our discussion from this morning, caustic soda scrubbers are commonly used in industry to scrub acid gases and acid fumes. Within Pioneer, caustic soda scrubbers are used to scrub chlorine and HCl emissions. Many of our customers use similar scrubbers to scrub other acid gases such as SO₂ or H₂S. As well, there are many smaller caustic soda scrubbers used to treat the vapours generated during HCl tank car to tank truck transloading, or tank car/tank truck unloading.

Also, the design basis used for the scrubbers is very conservative, As you improve the unloading operation by closing the air supply earlier, there will be less contaminated air to scrub at the end of the transfer. This will reduce the air flowrate through the scrubber, and improve the scrubbing efficiency. Of course, the scrubber is well oversized for the normal use, that of scrubbing fumes generated during packaging.

If I can be of any further assistance, don't hesitate to contact me.

Yours sincerely



Graeme Norval, Ph.D., P.Eng.
Senior Research Engineer



KENCRO CHEMICALS

CONTAMINANT EMISSION SUMMARY TABLE

JUNE 26/2002

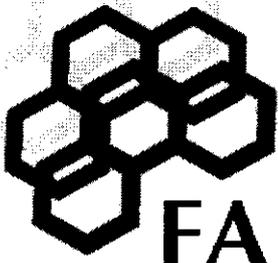
ACETIC ACID/NITRIC ACID

DESIGN BRIEF - FABCO MODEL 15 LMS SCRUBBER
PAGE 6 - "...ACHIEVE 99.5% REMOVAL EFFICIENCY..."

HYDROCHLORIC ACID

DESIGN BRIEF - PACKED SCRUBBER SPECIFICATION
PAGE 7 - DESIGNED FOR BOTH GRAVITY FILLING &
TANKER UNLOADING
- WHEN GRAVITY FILLING - SCRUBBER IS OVERSIZED
- #12 & #13 - SPECIFICATIONS SHOW 98% EFFICIENCY
OF SCRUBBER WHEN AT MAX ONCE OR TWICE/WEEK,
FOR A 10-15 MINUTE INTERVAL, DURING "BLOWDOWN"
OF TANKER AT COMPLETION OF UNLOADING
- ALL OTHER TIMES SCRUBBER RATE NOT AT CAPACITY

file:winword/other/emtable.doc



QUOTATION

FABRICATED PLASTICS LIMITED

2175 Teston Road, Maple (Toronto), Ontario, Canada L6A 1T3 Telephone: (905) 832-8161 Fax: (905) 832-2111
Web Site: www.fabricatedplastics.com E-Mail: info@fabricatedplastics.com

Kencro Chemicals Ltd.
2172 Wyecroft Rd., Unit #4
Oakville, ON L6L 5V6
Canada

FABCO QUOTE NO. 02-0480

JUNE 7, 2002

REFERENCE No.

MINISTRY OF
ENVIRONMENT & ENERGY

JUN 27 2002

HALTON PEEL
DISTRICT OFFICE

Attention: Ken Dunwoody

Reference: Fabricated Plastics Quotation No. 02-0480: Exhaust Systems

Dear Ken:

We refer to the above and take pleasure in submitting our pricing for the fabrication and supply of the following:

Two only fully designed Exhaust Systems, consisting of the following Quality Fabricated Equipment:

1) Hydrochloric Acid System:

Scrubber
Centrifugal Fan
Stack
Ductwork
Mechanical Arms
Recirculation System

...cont

CONDITONS OF SALE SHOWN ON LAST PAGE
DESIGNED, ENGINEERED AND QUALITY FABRICATED
CHEMICAL PROCESSING AND POLLUTION CONTROL EQUIPMENT
• THERMOPLASTICS • REINFORCED PLASTICS • ARMoured THERMOPLASTICS • COATINGS

Scrubber

One only Polypropylene construction model 10 Pack bed Scrubber designed to handle 1000 acfm at optimum performance. The Scrubber will be supplied complete with two stages. The first stage will consist of Polypropylene Packing, Tri-Pack and the second stage will be a special designed Coalescer pad. The Scrubber will be continuously irrigated using recirculated water from it's own sump.

Centrifugal Fan

One only model OV63/ 250-RS Fabco Oktavent Fan arrangement 9 c/w the following accessories:

- V- belt drive
- PVC belt guard
- Shaft and bearing guard
- Drain
- 316 ss shaft
- 1.5 Hp, 1800 rpm, 575/3/60 TEFC high efficiency motor
- 1000 acfm @ 3" wg
- 2240 rpm, 86 bhp

Stack

One only PVC construction MICHIGAN Stack c/w guy-wire ring and flashing.

Ductwork

One lot of PVC ducting, fittings, dampers and connectors all as per the proposed sketch No.3435

Mechanical Arms

One only counterbalanced mechanical arm complete with FRP construction End Hood and flexible PVC hose to be installed at the end of branch.

Recirculation System

One lot of PVC pipe, fittings, valves, flow-meter (pump supplied by customer)

...cont

2) Nitric and acetic System

Scrubber (existing, to be modified)
Centrifugal Fan
Stack
Ductwork
Mechanical Arms
Recirculation System

Scrubber

One lot of labour, engineering and material to modify an existing model 50 LMS scrubber to handle 1500 acfm at optimum performance. The Scrubber will be redesigned to maintain two stages. The first stage consist of one bank of LTH2100 mist eliminator blades and the second stage a combination of a Polypropylene Coalescer Pad and LTH2100 blades also. The Scrubber first and second stages will be continuously sprayed.

Centrifugal Fan

One only model OV63/ 250-RS Fabco Oktavent Fan arrangement 9 c/w the following accessories:

- V- belt drive
- PVC belt guard
- Shaft and bearing guard
- Drain
- 316 ss shaft
- 2 Hp, 1800 rpm, 575/3/60 TEFC high efficiency motor
- 1500 acfm @ 3" wg
- 2650 rpm, 1.34 bhp

Stack

One only PVC construction MICHIGAN Stack c/w guy-wire ring and flashing.

Ductwork

One lot of PVC ducting, fittings, dampers and connectors all as per the proposed sketch No.3435

...cont

Mechanical Arms

Two only counterbalanced mechanical arms complete with FRP construction End Hood and flexible PVC hose to be installed at the end of the two branches.

Recirculation System

The recirculation system will consist the supply of the following:
Polyethylene Cylindrical tank model No.VOT-50-22, Cover, Pipe and fittings to interconnect the pump to the scrubber spray system, valves and flow-metre.
(Pump to be supplied by customer)

Control Panel

The control Panel will include the following:

- Starter for both Fans
- Starter for both Pumps
- Electric actuated damper control
- Static pressure gauges
- On/off buttons for Fans and Pumps
- Nema 4 Panel

Supply Price.....\$ 30,454.00 Lot Net

Installation:

Include in our Installation Price are the following:

- Install Fan, Stack and Drain
- Install new and old scrubber
- Interconnect recirculation system to the new and old scrubber
- Install all the ducting as per sketch supplied
- Supply al the hangers and steel angle to support the new ducting
- Install the mechanical arms
- Install Static Pressure gauges on the new and old scrubber

...cont

Excluded from our Installation Price are the following:

- Roof work such as openings, curbs, or sleepers
- Electrical hookups
- Disposal of any used equipment
- Fan steel supports

Installation Price.....\$ 8020.00

Engineering Support With Order Placement:

As part of our standard construction procedures, every item released for fabrication will undergo the following stages (if applicable) in our engineering and design departments:

- Detailed engineering calculations* to determine the most efficient use of the Construction Materials, based on the design and operating conditions specified.
- FRP structural design calculations* all as per ASME-RTP1 specifications.
- Fabrication drawings for your approval prior to commencement of fabrication.
- Detailed quality control inspection by our In-House Quality Assurance Inspector, in accordance with our detailed Quality Assurance Plan.

***Please note** - as a supplier of fully Engineered and Designed Custom Fabricated Corrosion Resistant Chemical Processing Equipment, **FABRICATED PLASTICS LIMITED** will, as a function of our supply, perform all of the pertinent and necessary Analyses and Calculations, we feel are required to establish the Optimum Design for your Specific Requirements. The results of our design engineering is represented on the Fabrication drawings which will be provided for your review and approval. Although the preparation and submission of our drawings are included in our supply price, the formal preparation and submission of our Design Calculation and Analyses for review and approval could be extra to the prices quoted. **The requirement for formal submission of our design calculations and analyses should be specified prior to order placement.**

...cont

Terms:

- 1) Net 30 days to Approved Credit.
- 2) FOB our plant Maple, Ontario, Freight collect.
- 3) All applicable taxes as well as G.S.T. extra.
- 4) Due to current fluctuations in raw material costs we reserve the right to re-evaluate our price at time of order placement. Prices firm for 30 days.
- 5) Detailed terms and conditions attached.

Delivery: To be confirmed at time of order placement.

We trust the foregoing meets with your approval and wish to advise you that we are available to discuss our proposal further with you, at your convenience. Should you have questions regarding any details of this submission, please feel free to contact us. We thank you for your interest in our Products and Services and look forward to serving your requirements.

Yours very truly,
FABRICATED PLASTICS LIMITED



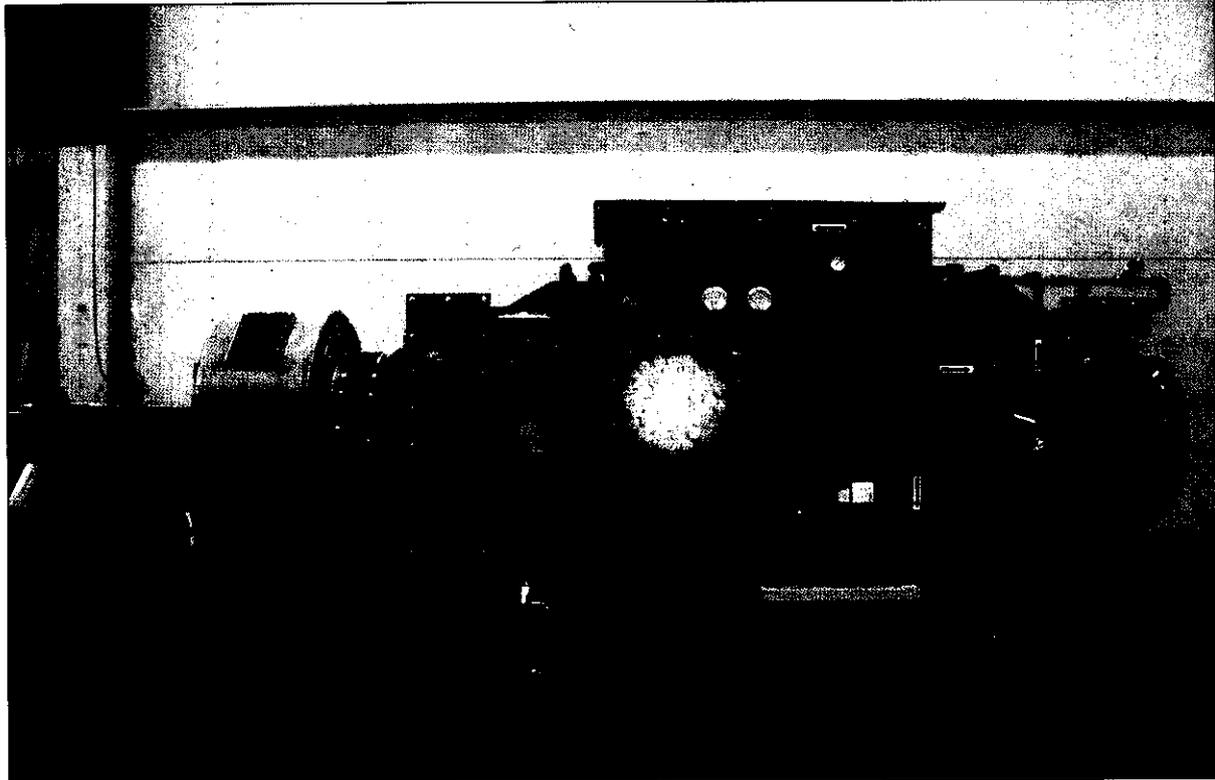
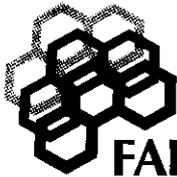
Paul Doucet, BSc.Eng
Customer Service Representative

cc: Jon Komow, Fabricated Plastics
Kencro Ph: (905)827-4133; Fax: (905)827-4145

File: 02-0480-Kencro

FABRICATED PLASTICS LIMITED
(herein referred to as "Fabco")
TERMS AND CONDITIONS OF SALE

1. **Warranty** - Fabco warrants that the goods supplied will be free from defects in workmanship by Fabco for a period of one (1) year from date of shipment. Fabco will not be responsible for any defects which result from improper use, neglect, failure to properly maintain or which are attributal to defects, errors or omissions in any drawings, specifications, plans or descriptions, whether written or oral, supplied to Fabco by Buyer. Buyer acknowledges that in respect of all custom fabricated goods, the design and specifications supplied are those of Buyer. Fabco does not warrant and shall have no liability whatever for defects in goods manufactured by third parties except only to assign to Buyer any warranty which Fabco may have with respect to such goods to the extent that such warranty is assignable by Fabco. Fabco assumes no responsibility for any defects that are attributable to moulds supplied by Buyer. Orders are accepted with the understanding that moulds are in suitable working condition for regular production. **THE FOREGOING WARRANTY IS THE SOLE WARRANTY OF FABCO AND FABCO HEREBY DISCLAIMS ALL OTHER WARRANTIES, CONDITIONS OR OBLIGATIONS EITHER EXPRESSED, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**
2. **Limitations of Liability** - Fabco's liability shall be limited, at Fabco's option, after the return of the goods to its plant, to repair or replace the goods at Fabco's expense or to credit Buyer with the selling price of the goods. Replacement or credit shall constitute a full settlement of Buyer's claims against Fabco in respect of such goods. Neither Fabco nor Buyer shall be liable to the other for special, indirect, incidental or consequential losses or damages or damages for loss of use arising directly or indirectly from any breach of contract, fundamental or otherwise, or from any tortious act or omission, and in no event shall Fabco's liability exceed the unit price of the defective item. For greater certainty and without restricting the generality of the foregoing Fabco shall have no liability for any claim based upon the combination, operation or use of goods supplied hereunder with goods not supplied by Fabco or as a result of the alteration or modification of any goods supplied hereunder.
3. **Shipment** - Promised shipping dates are approximate and are not guaranteed and are from the point of manufacture. Fabco will not be liable for any loss, damage or delay in manufacture or delivery resulting from any cause beyond its control including, but not limited to a period equal to the time lost by reason of that delay. Unless otherwise specified, Buyer will pay for any special packing and shipping requirements. Acceptance of goods by common carrier constitutes delivery to Buyer. Fabco shall not be responsible for goods damaged or lost in transit.
4. **Prices** - All prices are F.O.B. Fabco plant at Maple, Ontario unless otherwise specified and all taxes and duties are extra. Subject to paragraph 11 hereof (taxes), unless otherwise specified, prices quoted are firm for 30 days.
5. **Orders** - Orders cannot be cancelled except upon terms acceptable to Fabco that will fully compensate Fabco against loss.
6. **Termination** - Fabco may, by notice, terminate the order if Buyer becomes bankrupt or insolvent or fails to perform any obligation hereunder.
7. **Terms of Payment** - Subject to Prior Credit Approval - Net 30 Days, 2-1/2% interest per month, charged on all overdue accounts.
8. **Customer's Property** - Fabco is not liable for any loss, damage, or wear, caused to any moulds or other property of Buyer by fire, water leakage, theft, negligence or any other cause whatsoever and all such property is at all times at Buyer's sole risk.
9. **Title** - The risk of loss and title to goods shall pass to Buyer on acceptance of the goods by common carrier.
10. **Returns** - No items may be returned without Fabco's prior written authorization and subject to a 25% re-stocking charge. Returns may not exceed 10% of original order quantity. Custom-fabricated goods may not be returned. Returned goods must be in new and saleable condition and be shipped transportation prepaid.
11. **Taxes** - Buyer shall be responsible for the payment of all taxes and duties. Prices quoted are subject to increase or decrease to reflect changes prior to delivery of the goods.
12. **Assignment** - Buyer may not assign this order without the prior written approval of Fabco.
13. **Order or Precedence** - In the event of any inconsistency or conflict between any of these terms and conditions and the contents of any other documents, these terms and conditions shall take precedence.
14. **Indemnity** - Buyer shall indemnify and keep Fabco harmless from all actions, suits, claims, and demands arising out of allegations of infringement of patent, copyright, industrial design or any other proprietary right resulting from compliance with Buyer's designs, specifications or instructions.
15. **Contract** - This contract is to be governed by the laws of the Province of Ontario.
16. **Lien** - All moulds or other property of Buyer in the possession of Fabco are subject to a lien and may be retained by Fabco as security for any unpaid amount.



Packed bed cross flow scrubber and fan skid mounted

Multi Stage Scrubber and Ventilation System Installed for MIG Wire Drawing Line Operation

Fabricated Plastics Limited (FABCO) of Maple (Toronto), Canada, recently completed a project which demonstrated both their initiative and expertise in completing a ventilation system without interrupting existing production runs.

The requirement was generated by the client committing to add several new MIG Wire Drawing Lines to their existing plant and the consequent need for a complete Ventilation and Scrubbing System. The client emphasized that solutions to two problems had to be presented before a contract could be awarded.

First, the nature of the client's work required more than a standard Ventilation and Scrubbing System because the emission of pollutants produced in the manufacturing process included particulate matter, gaseous fumes and aerosol substances.

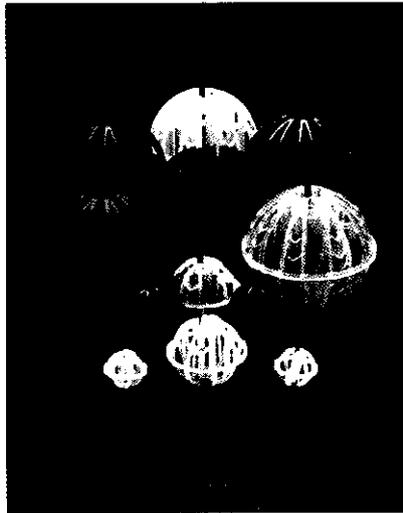
Second, it was essential that the existing plant be able to continue its operations during construction of the new facility. This was a difficult task due to congestion and space restrictions at the plant.

A further challenge to FABCO was the need to fast track the construction so that not only would existing plant

production continue uninterrupted, but also that the new lines would be operational in record time.

The first hurdle of the various emissions was solved by using a three stage cross flow scrubber. Stage one removed the solids (particulate matter), Stage two removed the gaseous fumes and Stage three removed any substances contained in aerosol form.

The solution to the emissions problem required that the multi stage system be designed and engineered as a totally unique piece of equipment, custom made to



handle the specific needs. Stage two, which removed the gaseous fumes, used a special, high performance spherical packing material.

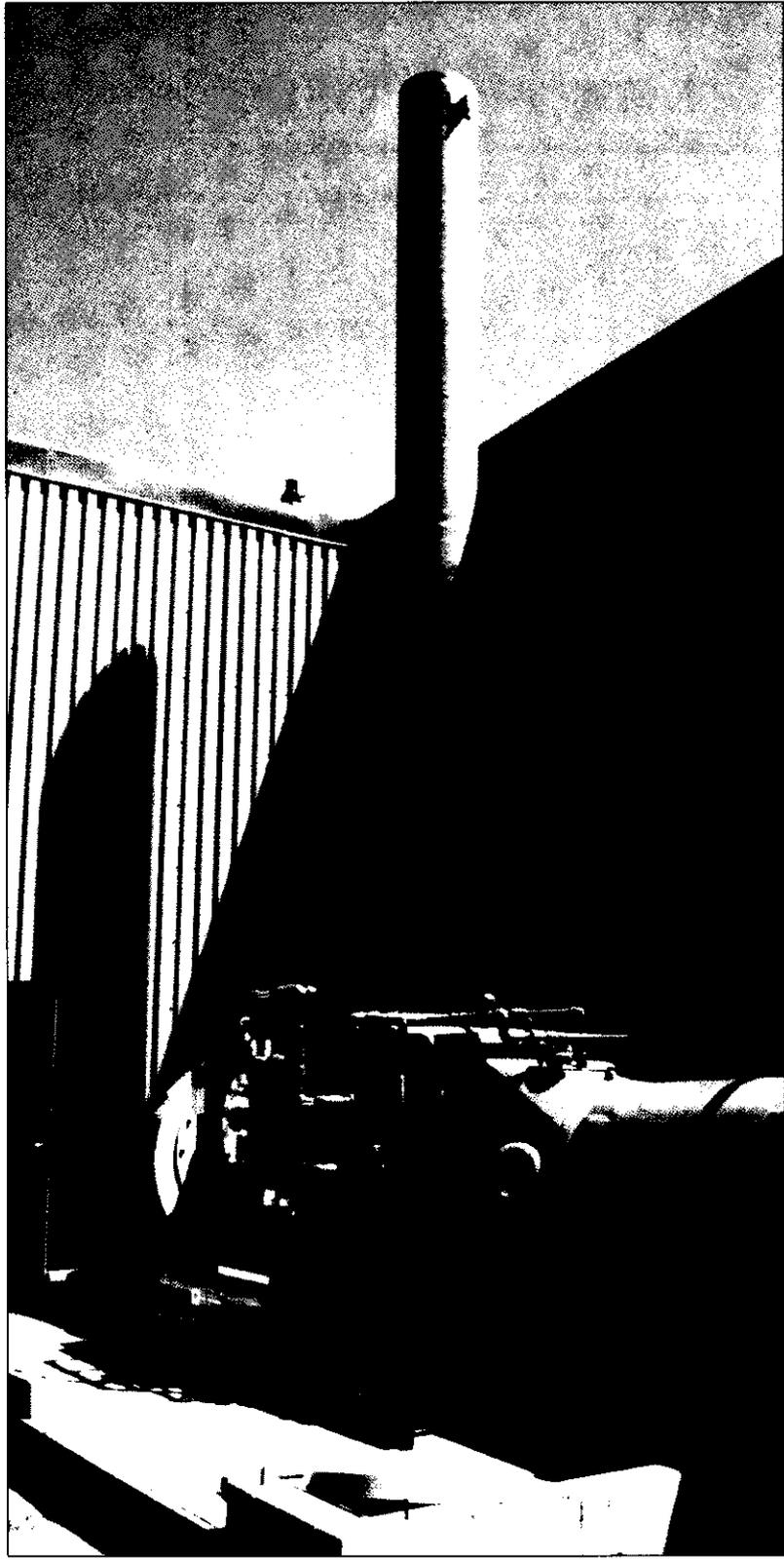
Once the design and functionality of the unique multi stage system was finalized, the problem of installing it in a crowded environment without any impact on production was faced.

Working closely with the project team designing the new facility, FABCO designed and built a skid mounted scrubber system with a capacity of 12,000 cfm @ 6" WG. It was pre-assembled, pre-tested and pre-packaged so that when it arrived at the plant site, it could be placed on its pad ready for final placement once the added external walls were complete and the new lines were in place.

All that remained was to make openings to the inside of the existing plant.

The whole operation was concluded without lost time or production interruption.

While FABCO's engineering team was handling the project, it was also involved in both the Waste Water Treatment System, the Air Treatment System, and it supplied all the piping, valves and various other fittings required for the installation.



LEFT: Tri-Packs® Mass Transfer Packing used in Scrubber
RIGHT: Scrubber positioned in place with duct and piping connections

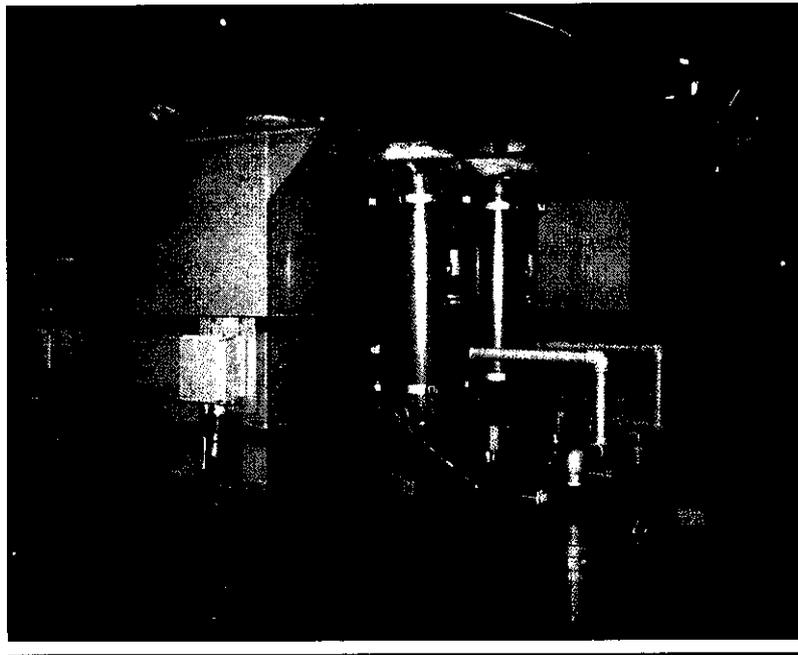


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Royal Canadian Mint Project



TOP: Completed line of ducts and tanks.

BOTTOM: Polypropylene tanks, CPVC, PVC and PP piping, filters and valves, FRP grating.

The Royal Canadian Mint (RCM) in Winnipeg, Manitoba, Canada, is the most technologically advanced coin plating operation in the world.

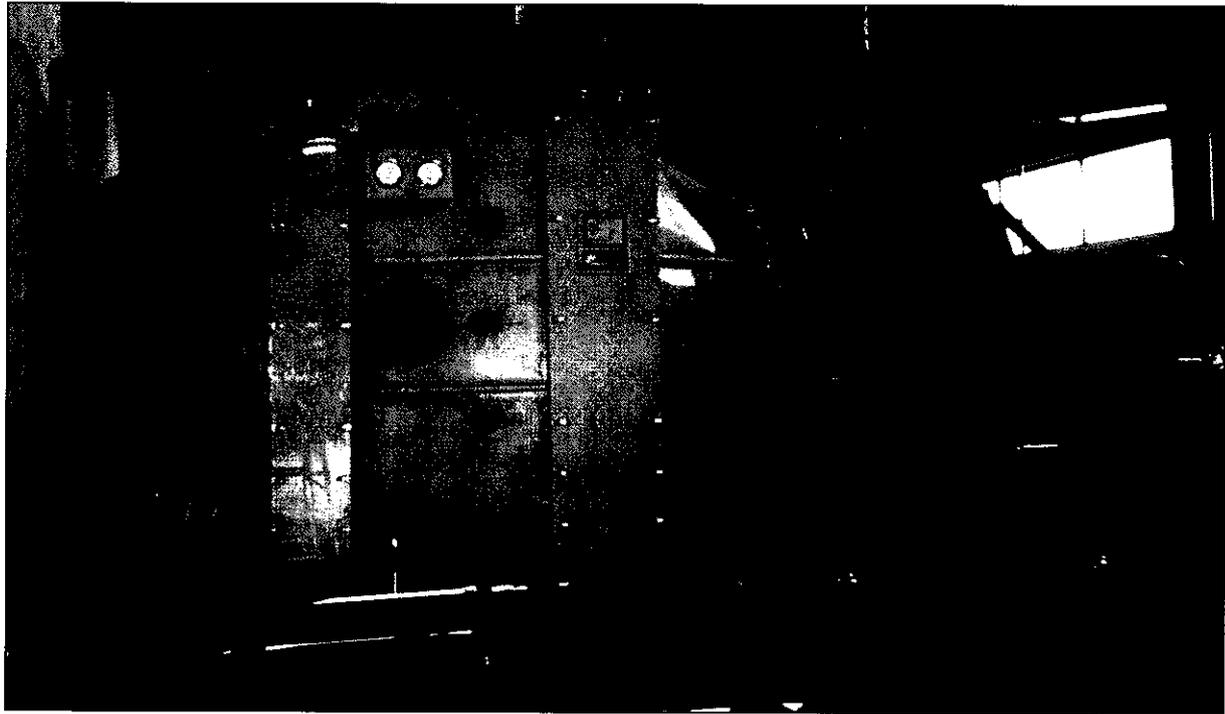
Their multi-layer plating process offers considerable advantages to both producers and users of coins. It is less costly than other processes, environmentally friendly, requires a shorter plating time and can produce different colour finishes from the same production line.

Industries using vending machine coin acceptors have universally accepted the process, as extensive testing has shown the coins to be consistent, durable, stable and totally reliable.

Recently, the Royal Canadian Mint made the decision to upgrade its Winnipeg, Manitoba, facilities. The Winnipeg plant was to become a global showpiece for the RCM, and would provide the perfect forum to demonstrate the new Multi-Layer Plating Process.

Fabricated Plastics Limited (FABCO) of Maple (Toronto), Canada was invited to bid on the project by the plating line design company, selected by RCM. The requirement was to design and fabricate a fume exhaust/scrubber system along with the supply of peripheral equipment.

It was vitally important to the plating line designer that the two companies work together harmoniously. FABCO won the contract based on engineering design, availability of a wide range of peripheral products, and importantly, a track record showing dedication to achieving the best possible results.



The ventilation/scrubbing system was to operate on two separate lines in the electro-plating system and was required to exhaust the contaminant fumes and gases produced in the process. The two parallel, identical duct lines, scrubbers and fans added up to a total of 64,000 CFM capacity. Duct sizes varied from 10" diameter to 50" diameter, and were attached to exhaust fumes from 42 separate points. Because of these sizes and the high level of static pressure, most of the ducting was externally armoured with FRP (fibreglass reinforced plastic).

The scrubber used was a FABCO Low Micron Separator Inertia model. This equipment comprises a multi-stage design that combines banks, profiles, fog jets and coalescer pads, to capture particulate down to 5 microns in dry operation and 3 microns in wet operation.

In addition to the ventilation/scrubber system FABCO supplied other custom fabricated products, process piping system products, and peripheral equipment. This included materials for both the Waste and Fresh water treatment facilities, engineered and certified instrumentation and process

equipment, actuated and manual valves, process and off line tanks fabricated from polypropylene material, pipes and other fittings.

Time was an important consideration at the installation stage. To reduce the assembly and erection time, all of the equipment was preassembled at FABCO facilities so that it could be quickly installed at the job site.

Overall this was a highly successful project, completed to the satisfaction of the client.

FABCO offers clients a fully comprehensive package of services surrounding engineering activity. The FABCO group comprises all the necessary elements for engineering, design, fabrication and installation along with a wide range of standard products. This results in a considerable advantage for clients as they can source total packages from one house, thus eliminating problems of compatibility and drastically reducing administration time.



TOP: Scrubber and fan arrangement.
BOTTOM: Tank and duct installation.



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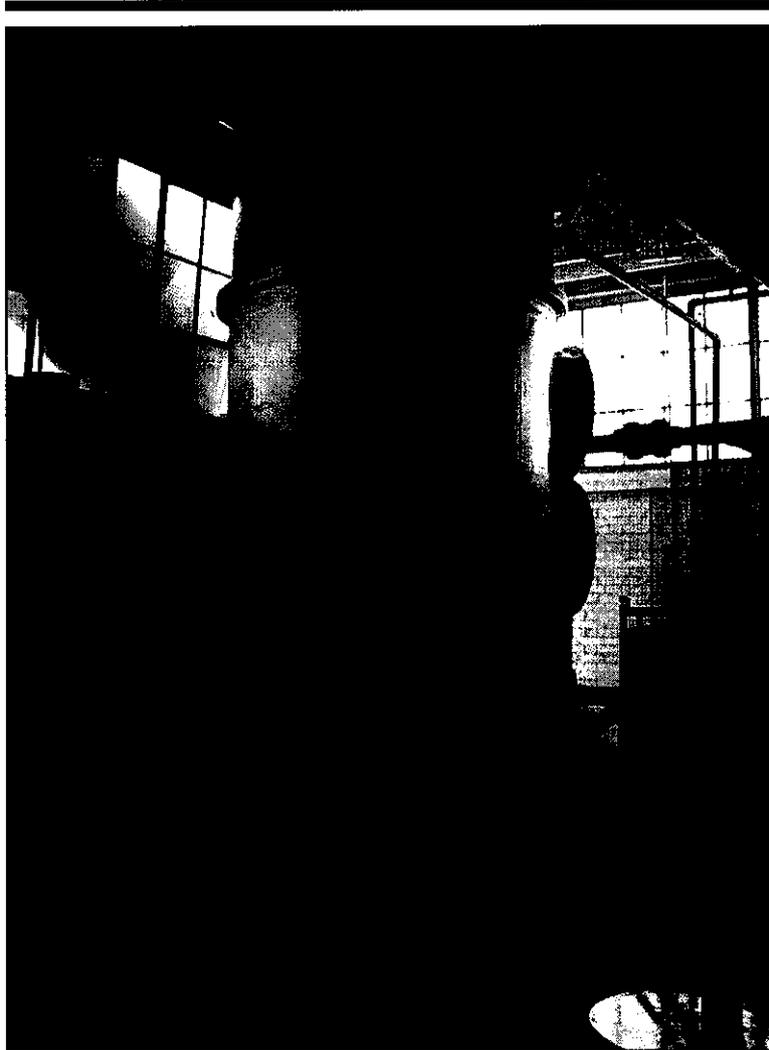
Highly Versatile Scrubbing/Ventilation System Installed with Minimal Production Interruption

For decades, Fabricated Plastics Limited (FABCO) of Maple (Toronto), Canada has designed, engineered and fabricated ventilation and scrubbing systems for a large variety of industries. While each and every one of the applications has its own story, most of these cases were comparatively straightforward. The need was identified, the system was designed and engineered to fully satisfy the requirements of the particular application, and then installed.

Occasionally however, an application presents the engineers with unique problems or difficulties that are a challenge to both logic and creativity.

Recently, FABCO was invited to bid on a project for a client in the Surface Technology industry. The client had plans for new vessels to be added to the existing plant, but in any case wished to upgrade the scrubbing/ventilation system that was currently in use because it was inefficient. In fact, only 60% of the plant was hooked up to the system because of its lack of capacity.

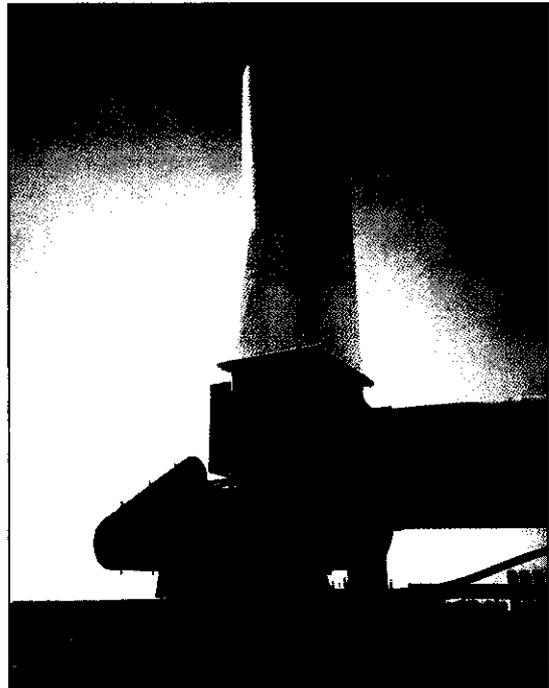
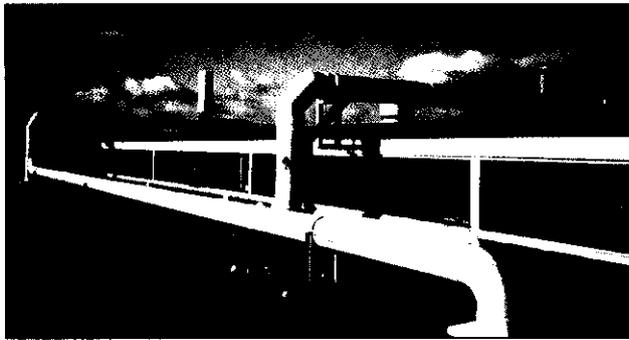
The client also needed the new system to be installed without any interruption to the ongoing chemical production. This problem was magnified by the plant being 99% full of equipment. Added to these difficulties was the nature of the production itself. A wide variety of chemicals were being used for formulation into different coatings and surface treatments. At any given time, there could be several completely different products being mixed. Often the mixing of acid and alkaline fumes could produce an unwanted reaction, yet they had to be treated in the same scrubber/ventilation system.



While the plant had a list of standard products that were in constant demand, there were many other custom requirements. This meant that the plant's activity frequently demanded the scrubber/ventilation system to work on different needs simultaneously. For example, one particular tank may be being filled and require a certain exhaust rate

while other tanks required different exhaust rates. This must all happen at the same time, from the same system with no way of accurately predicting what the future would hold in terms of production requirements.

Tri-Packs® Mass Transfer Packing used in packed bed scrubber.



The FABCO team short listed the challenges as follows:

- Design, engineer, fabricate and install a new scrubber/ventilation system that incorporates all new technology and up to date environmental requirements
- The design must allow for severe space restrictions
- The design must be extremely flexible and permit variable settings to function at the same time
- The design must be user friendly
- The installation of the system must be achieved with the absolute minimum interruption of ongoing plant activity

The space restrictions were so tight that the only possible solution was to build the ventilation ducting and some of the main headers outside the plant on two roof levels. As an added feature, this enabled FABCO to design aesthetically appealing equipment as the space restriction was lifted for this portion of the equipment.

The scrubber, fan and ventilation system in the interior of the plant

presented greater difficulties because of space but FABCO found a way to build around the existing system so that production suffered very little interruption. The scrubbers, had to perform under variable flows, yet had to be as small as possible to fit. Here, FABCO engineering was important. A standard scrubber with some considerable modification may have done an adequate job. But standard scrubbers come in standard sizes so, by definition, some compromise would have had to be made. By designing a scrubber that was custom sized and customized to suit specified functions, FABCO eliminated any compromise.

Given the problem of batches of differing chemical combinations being formulated at the same time, the scrubber had to deal with many permutations of acids, mists and gases.

To accommodate this, each exhaust branch had specially designed control dampers that regulated and quantified the amount of air exhausted. The four new holding tanks had separate control systems that allowed one damper to be opened completely while the tank was being filled, while the other three could be maintained at a different exhaust rate.

The total design work involved was unusually high to satisfy the number of criteria involved. But however intricate a design is, by logic and creativity the experienced engineering team at FABCO is able to separate it into multiples of smaller design units that, when put together, form a total solution.

The FABCO group echoes this philosophy of separate units having expertise in well-defined areas, but synergistically acting as an integral unit. This provides a highly valuable benefit to FABCO clients as they are able to access design, engineering, fabrication and installation from a single source, along with the supply of peripheral equipment such as piping, valves and tankage. This eliminates the potential for equipment incompatibility and drastically cuts down on administration time. Importantly, the host of separated elements in a project are overseen by a team involved in the total project.

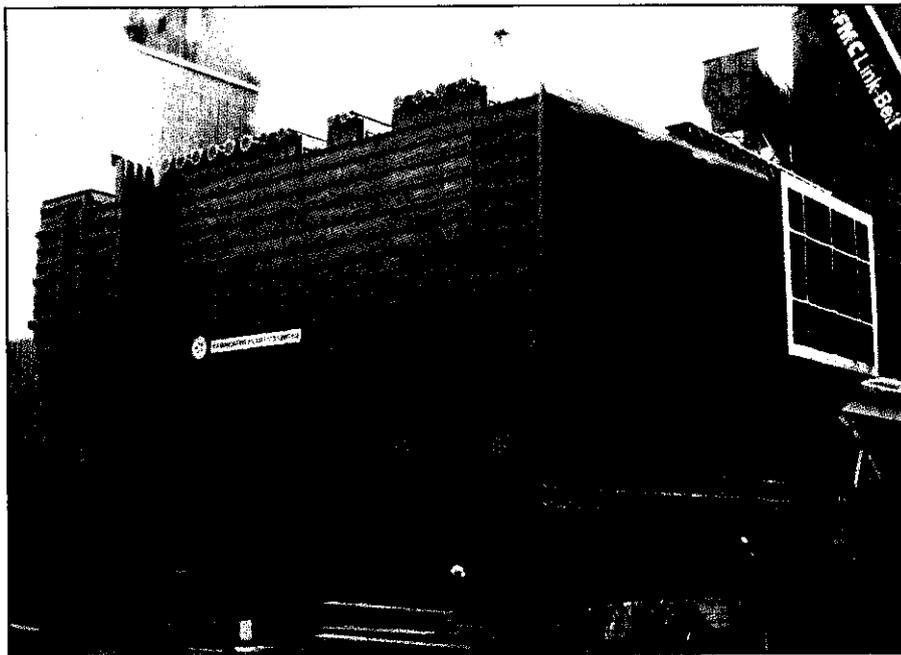
The client was highly satisfied with the ingenuity of the design and engineering involved in this project, and impressed with the minimal interruption of production.

TOP: PVC lined FRP armoured round ducting.
 BOTTOM: PVC lined FRP armoured rectangular ducting.
 RIGHT: Fan and Stack arrangement.



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Record-size cross flow scrubber installed at B.C. kraft mill

The Tahsis Company (Canadian Forest Products Ltd. Tahsis Pacific region) was faced with a very difficult air pollution problem at its kraft mill at Gold River, B.C., when emissions from the mill became trapped in the surrounding region by steep mountains on each side.

An electrostatic precipitator had been fitted to the plant's recovery boiler (the primary source of objectionable smoke and odor), but it had deteriorated to the point where emissions exceeded allowable limits.

Tahsis recognized that, because of the mill's location, it would be necessary to go beyond the pollution control requirements of B.C.'s Ministry of the Environment if it were to significantly improve the situation throughout the area.

After considering several possible

solutions, it turned for help to Teller Environmental Systems of Shrewsbury, MA — the designer of wet scrubbing systems installed on recovery boilers at a number of mills in Canada.

"As far as we could see, there was only one design of scrubber that would do the job," says Rudy Van Dyk, project engineer for Tahsis, "and that was Teller's well-known cross-flow unit. It has already been used successfully in other Canadian mills — supplied by various molders."

In competition with other major fabricators of corrosion resistant

Scrubber at installation site.
Scrubber dimensions 72 ft (21.9 m) long, 37 ft (11.3 m) wide, 32 ft (9.7 m) high.

scrubbers, Fabricated Plastics Limited (FABCO) of Maple, Ont., was awarded the contract to supply the equipment to Tahsis as a three-part package — a venturi scrubber, a giant Teller cross-flow unit and an outlet transition.

Now installed, the Tahsis unit is the largest Teller scrubber ever built. Its total length with the outlet transition section is 72 ft (21.9 m). It is 37 ft (11.3 m) wide and 32 ft (9.7 m) high.

"As far as we can determine, it is also the largest and most highly loaded process vessel ever built in FRP," says Don Sablinskas, FABCO president.

FRP had to be used for the scrubber because of the high chloride content of the mill liquor, he explains. The mill is located on Nootka Sound, and the wood brought in for processing becomes impregnated with salt water (sodium chloride) when it is floated

across to Tahsis.

"It was out of the question to use stainless steel for that reason," he says. Extremely high quality standards were established for laminate and secondary bonding of internals. FABCO's quality assurance department controlled and documented inspection through all phases of the production, erection and installation.

The customer's specifications called for a cross-flow scrubber that will operate at a temperature of 200 deg F (93.3 C) with a vacuum of -36 in. (-91.4 cm) of water gauge. Capacity is 387,000 ACFM.

The most difficult requirement that had to be met, however, was to control the deflection in the walls and roof — to prevent it from exceeding 0.5 in. (1.27 cm.)

Minimizing the deflection

Knowing that FRP's flexibility would make it extremely difficult to control deflection in a box-shape structure this size, FABCO had to resort to a method of construction which involved installing large dimension FRP trusses around the inside, against the walls, and support posts (also FRP) for the roof.

"Not only did those structurals have to withstand the negative pressure created by the fan pulling the gases through the unit," says Sablinskas, "but also had to allow for the external pressures of high winds and snow loads."

Before finalizing the truss design, FABCO decided its structural members must be tested to ensure they would stand up to the compressive forces imposed on them in the vessel.

Some special profiles were fabricated and submitted to the De Havilland Aircraft Company in Toronto which carried out the necessary compression tests for FABCO.

Then, based on De Havilland's findings, the first production truss was built for a series of joint and deflection tests carried out by University of Toronto engineers — tests that proved the design a complete success, says Sablinskas.

Component production

The various scrubber components were molded in FABCO's Toronto plant where the internal structural members (braces and beams for the trusses) were made by filament winding, and all other parts were produced by hand layup.

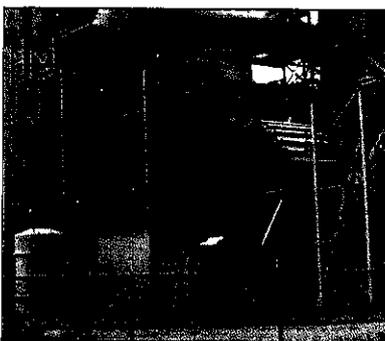
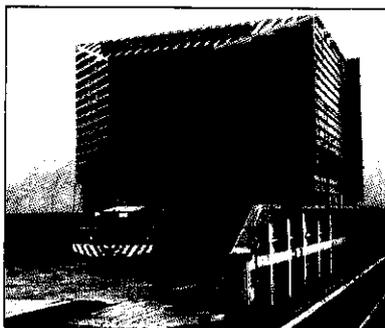
FABCO used a vinyl ester resin in the layup to avoid brittleness and possible cracking of the resin rich corrosion liner.

The exterior laminate was pigmented a brilliant blue at the request of the mill manager, making the vessel highly visible from the approach road to the mill.

The total weight of the cross-flow section and outlet transition is 267,000 lb (121,338 kg).

Assembly and installation

At FABCO's plant, the scrubber parts were partially assembled in 32 separate modular sections which



Scrubber being unloaded from the ocean barge after travelling 26 hours on open sea.

Final installation elevated on to 24 foot high platform.

were then shipped by railway flatcar to Vancouver. There, a FABCO crew completed the assembly, mounting the scrubber on a steel beam platform.

The platform was then jacked up and four steerable bogeys were attached. Hitched to a conventional tractor, the loaded platform was pulled onto a barge and towed out into the Pacific Ocean to the mill site.

Once ashore, the mounted scrubber was moved alongside a concrete platform, the bogeys were removed and the entire unit was raised to a height of 24 ft above ground. It was then slid onto the concrete platform which now forms its permanent base.

The cross-flow scrubber with the venturi scrubber mounted on one end is slated to go into operation in October of this year.

How the system works

Gases entering the Teller System are first scrubbed in the venturi section where the majority of particulate is removed.

Teller's proprietary "cross-flow nucleation" scrubber (which follows the venturi) contains three separate packed bed sections, each with sprays above and a sump below. The gaseous effluent passes horizontally through the wetted packing.

In the first section a caustic soda solution is recirculated, removing malodorous sulfur compounds and the remaining particulate.

The second section is a water wash.

The third section generates valuable hot water for the mill by direct contact of cold water with the flue gas.

A FABCO vane-type mist eliminator removes entrained water before the gases pass to the fan and stack.

A portion of the recirculated scrubbing liquor is removed and returned to the recovery process. In this way, compounds which were considered pollutants are recovered as a valuable product.

Meanwhile FABCO supplied a similar cross flow scrubber working under positive pressure to St. Anne Nackawic in New Brunswick. This scrubber had a capacity of 280,000 ACFM with an operating pressure of +15" W.G. and a design temperature of 200° F.



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MINISTRY OF
ENVIRONMENT & ENERGY

JUN 27 2002

HALTON PEEL
DISTRICT OFFICE

Kencro Chemicals

Exhaust Ventilation Systems

Design Brief

System No.1 – Hydrochloric Scrubbing System

Fabricated Plastics will design, fabricate and Install one complete system consisting of: - Ducting, Hoods, Scrubber, Fan and Stack.

The Hydrochloric scrubbing system is to scrub the fume drawn during the gravity filling and the fumes generated during the truck unloading.

Exhaust Point No.1

Hydrochloric Acid tank

Tank dimensions:

Diameter:	10'-0"
Height:	12'-0"
Fill line size:	2" dia.
Vent line size:	4" dia.

Exhaust volume calculations: (unloading stage)

Truck volume:	30 m ³
Truck pressure:	10 PSI @ the end
Volume of air:	21m ³
Rate of exhaust:	150 CFM
Nozzle velocity:	1690 FPM

DESIGNED, ENGINEERED AND QUALITY FABRICATED

CHEMICAL PROCESSING AND POLLUTION CONTROL EQUIPMENT

• THERMOPLASTICS • REINFORCED PLASTICS • ARMoured THERMOPLASTICS • COATINGS

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Exhaust Point No.2

Packaging – Exhaust Hood / Flexible connection

Flexible PVC Exhaust duct will be used providing a movable Exhaust hood. The duct section is supported by a hinged arm that allows the positioning of the Exhaust hood near the source of contaminant generation.

Exhaust volume calculations:

Filling Drum size:	4'-0"x 4'-0"
Drum cross area:	16 ft ²
Exhaust rate:	20 cfm / ft ²
Air dispersion rate:	35% of Exhaust rate
Minimum exhaust flow rate:	(20 x 16) x 1.35 = 432 cfm

Exhaust Point No.3

Packaging - 1 L / 1 Gal. Bottle gravity filling

This unit is directly exhausted by one existing " LAFERT" centrifugal exhaust fan of 300 cfm capacity.

The fan discharge will be connected to the new Main exhaust duct and scrubber as shown on drawing No. 17878-3435.

Exhaust Point No.4

Automatic Packaging - 1 Gallon containers gravity filling

This unit was design to automatically fill four containers at the time and is exhausted in two points, one at the top (holding tank vent) and one slot located behind the container neck

Exhaust volume calculations:

Length of slot:	30"
Slot width:	1"
Slot velocity:	2000 fpm
Tank vent:	2" dia.
Minimum exhaust volume:	416 cfm

Total exhaust volume: 1000 cfm

System No.2 – Nitric / Acetic Scrubbing System

Fabricated Plastics will design, fabricate and install one complete system consisting of: - Ducting, Hoods, Scrubber, Fan and Stack.

Note:

Scrubber to service this system is an existing LMS type that Fabricated Plastic will modify to suit the application. (see attached Scrubber performance and Highlights)

Exhaust Point No.1

Nitric Acid tank

Concentration: 67%
Temperature: ambient

Tank dimensions:

Diameter:	8'-0"
Height:	12'-0"
Fill line size:	2" dia.
Vent line size	3" dia.

Exhaust volume calculations:

Filling method:	13 Imp. Gal / m Pump
Volume of load:	1500 Imp. Gal.
Minimum exhaust rate:	4 cfm
Designed exhaust rate	20 cfm (at loading stage)

Exhaust Point No.2

Acetic Acid tank

Concentration: 99%
Temperature: ambient

Exhaust volume calculations:

Filling Drum size: 4'-0" x 4'-0"
Drum cross area: 16 ft²
Exhaust rate: 20 cfm / ft²
Air dispersion rate: 35% of Exhaust rate
Minimum exhaust flow rate: (20 x 16) x 1.35 = 432 cfm

Total Exhaust Volume: 894 cfm

Note:

One branch c/w damper will be installed into the system main duct for future use.
The branch will be balanced to breathe into the system 600 cfm, therefore the total capacity of the scrubber and fan will be 1500 cfm

Technical & Performance

Highlights

Fabco Model 15 LMS Scrubber

The Fabco Model 15 LMS (Low Micron Separator) Scrubber is constructed of PVC materials. It employs two stages to achieve 99.9% removal efficiency at limit drop size of 3 to 5 microns when operating at 1500 ACFM. Static pressure loss across the scrubber is 2.5" W.G. with clean internals.

The first stage utilizes a single bank of Fabco PVC LTH2100 sine wave profile for coarse droplet removal. This stage requires intermittent wash of .8 GPM at 15 psig nozzle pressure. Frequency and duration of wash should be determined by monitoring the static pressure loss through the scrubber. As a start, it is recommended that a wash period of 3 minutes every 6 hours be used.

The second stage consists of a PP coalescer and a single bank of Fabco PVC LTH2100 sine wave profile to capture all particulate that pass through the first stage down to the specified limit drop size. This stage requires continuous irrigation of .8 GPM at 15 psig nozzle pressure.

Although the scrubber is constructed of premium, corrosion resistant materials, regular inspection and maintenance of the equipment will ensure top performance and long service life. Specifically, the spray system and internals should be inspected and serviced at least once every 6 months.

Tank dimensions:

Diameter:	6'-0"
Height:	6'-0"
Fill line size:	1" dia.
Vent line size	1.5" dia.

Exhaust volume calculations:

Filling method:	13 Imp. Gal / m Pump
Volume of load:	800 Imp. Gal.
Minimum exhaust rate:	4 cfm
Designed exhaust rate	10 cfm (at loading stage)

Exhaust Point No.3

Packaging – Exhaust Hood / Flexible connection

Nitric Acid Gravity Filling

Flexible PVC Exhaust duct will be used providing a movable Exhaust hood. The duct section is supported by a hinged arm that allows the positioning of the Exhaust hood near the source of contaminant generation.

Exhaust volume calculations:

Filling Drum size:	4'-0"x 4'-0"
Drum cross area:	16 ft ²
Exhaust rate:	20 cfm / ft ²
Air dispersion rate:	35% of Exhaust rate
Minimum exhaust flow rate:	(20 x 16) x 1.35 = 432 cfm

Exhaust Point No.4

Packaging – Exhaust Hood / Flexible connection

Acetic Gravity Filling

Flexible PVC Exhaust duct will be used providing a movable Exhaust hood. The duct section is supported by a hinged arm that allows the positioning of the Exhaust hood near the source of contaminant generation.

Packed Scrubber Specifications

1. Make and Model #	Fabco Model 10
2. Volumetric capacity (m ³ /min.)	28.3
3. Type of packing	#1/2 (1") Tri-Packs
4. Height of packing (m)	1.52
5. Type of scrubbing solution	Caustic solution
6. Is the scrubbing solution recycled?	Yes
7. Amount of scrubbing solution used (L/m)	45 (Recirculation)
8. Pressure drop across the scrubber	500 Pa
9. Scrubber height (m)	3.7
10. Scrubber diameter (m)	0.5
11. Contaminants to be controlled	Hydrochloric Acid
12. Rate of contaminants into the scrubber (g/s) @ 20°Be	0.8405 g/s
13. Rate of contaminants out of scrubber (g/s) @ 20°Be	0.0168 g/s
14. Process for which the scrubber is being installed:	

(Tank venting and packaging)

CERTIFICATE
 This is to certify that these
 articles are effective on

CERTIFICAT
 Ceci certifie que les présents
 statuts entrent en vigueur le

Ontario Corporation Number
 Numéro de la compagnie en Ontario
7 68150

APRIL 6 **AVRIL** **1988**

Al. Higgins

Director
 Companies Branch

Le Directeur
 Direction des Compagnies

Trans Code A 18	Line No 0 20	Stat 0 28	Comp Type A 29	Method Incorp 3 30
Share S 31	Notice Req'd N 32	Jurisdiction ONTARIO 33		

**ARTICLES OF INCORPORATION
 STATUTS CONSTITUTIFS**

Form 1
 Business
 Corporations
 Act,
 1977
 Or,
 Numéro 1
 de 1982
 sur les
 Compagnies

1. The name of the corporation is: *Dénomination sociale de la compagnie:*

K E N C R O C H E M I C A L S L I M I T E D

2. The address of the registered office is: *Adresse du siège social:*

1367 Stanbury Road

(Street & Number or R.R. Number & if Multi-Office Building give Room No.)
 (Rue et numéro ou numéro de la R.R. et, s'il s'agit d'un édifice à bureaux, numéro du bureau)

Oakville, Ontario

(Name of Municipality or Post Office)
 (Nom de la municipalité ou du bureau de poste)

L 6 L 2 J 5
 (Postal Code)
 (Code postal)

**Regional Municipality of
 Halton**

(Name of Municipality, Geographical Township)
 (Nom de la municipalité, du canton)

in the **Judicial District of Halton**

(County, District, Regional Municipality)
 (Comté, district, municipalité régionale)

3. Number (or minimum and maximum number) of directors is: *Nombre (ou nombres minimal et maximal) d'administrateurs:*

Minimum number of directors is one (1).

Maximum number of directors is ten (10).

4. The first director(s) is/are: *Premier(s) administrateur(s):*

First name, initials and surname
Prénom, initiales et nom de famille

Residence address, giving street & No. or R.R. No. or municipality and postal code.
Adresse personnelle, y compris la rue et le numéro, le numéro de la R.R. ou, le nom de la municipalité et le code postal

Resident
 Canadian
 State
 Yes or No
*Résident
 Canadien
 Oui/Non*

**KENNETH G.
 DUNWOODY s.21**

ROBERT T. CROWE



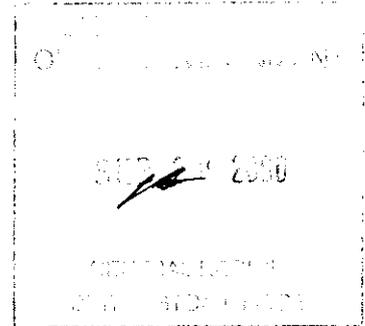
Ministry of the Environment
Ministère de l'Environnement

Nick W. Jolly BA
not a job
CA-WY-210

CERTIFICATE OF APPROVAL
AIR
NUMBER 8711-4PEL79

Jolly & Associates Consultants Inc.
5360 Cedar Springs Road, RR #3
Campbellville, Ontario
L0P 1B0

Site Location: 2172 Wycroft Road, Unit #24
Oakville Town, Regional Municipality Of Halton



You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) evaporator for a silicic acid solution having a capacity of 2273 litres, discharging into the atmosphere at a volumetric flow rate of 1.01 cubic metres per second at an approximate temperature of 90 degree Celsius, through a stack having a diameter of 0.3 metre, extending 2.0 metres above the roof, and 7.5 metres above grade; and
- seven (7) natural gas fired burners serving the evaporator, having a total maximum heat input of 1.29 million kiloujoules per hour, discharging into the atmosphere at a volumetric flow rate of 0.16 cubic metres per second at an approximate temperature of 150 degree Celsius, through a stack having a diameter of 0.25 metre, extending 1.0 metre above the roof, and 7.5 metres above grade;

all in accordance with the application for a Certificate of Approval (Air), and all supporting information dated December 11, 1999 and signed by Colin Jolly.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;
- (3) "Company" means Jolly & Associates Consultants Inc.;
- (4) "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Act;
- (5) "District Manager" means the District Manager, MOE Halton-Peel District Office;

- (6) "Equipment" means the evaporator described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (7) "Facility" means the entire operation located on the property where the Equipment is located;
- (8) "Manager" means the Manager, Technology Standards Section, Standards Development Branch, or any other person who represents and carries out the duties of the Manager as those duties relate to the conditions of this Certificate;
- (9) "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
- (10) "Ministry" means Ontario Ministry of the Environment;
- (11) "Point of Impingement" means any point in the natural environment. The point of impingement for the purposes of verifying compliance with the Act shall be chosen as the point located outside the Company's property boundaries at which the highest concentration is expected to occur, when that concentration is calculated in accordance with the Appendix to Regulation 346 written under the Act, or any other method accepted by the Director;
- (12) "Pre-Test Information" means the information outlined in Section 1 of the Source Testing Code;
- (13) "Source Testing Code" means the Source Testing Code, Version 2, Report No. ARB-66-80, dated November 1980, prepared by the Ministry, as amended; and
- (14) "Source Testing" means sampling and testing to measure emissions resulting from operating the Equipment under conditions which yield the worst case emissions within the approved operating range of the Equipment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

MONITORING

Performance

1. The Company shall ensure that the half hour concentration of silica at a Point of Impingement, resulting from the operation of the Facility, calculated in accordance with Regulation 346, is less than 15 micrograms per metre cube.

Source Testing

2. The Company shall monitor the emissions from and operation of the Plant as follows:
 - (1) The Company shall perform Source Testing to determine the rates of emission of silica from the Equipment.
 - (2) The Company shall submit, not later than three (3) months after the commencement of operation of the Equipment, to the Manager a test protocol, including the Pre-Test Information for the Source Testing required by the Source Testing Code.
 - (3) The Company shall finalize the test protocol in consultation with the Manager.
 - (4) The Company shall not commence the Source Testing until the Manager has accepted the test protocol.
 - (5) The Company shall complete the Source Testing not later than three (3) months after the Manager has accepted the test protocol.

Notification of Upcoming Source Testing

3. The Company shall notify the District Manager and the Manager, in writing, of the location, date and time of any impending Source Testing required by this Certificate, at least ten (10) business days prior to the Source Testing.

Report on Source Testing

4. The Company shall submit a report on the Source Testing to the District Manager and the Manager not later than two (2) months after completing the Source Testing. The report shall be in the format described in the Source Testing Code, and shall also include:
 - (1) an executive summary;
 - (2) records of all operating conditions; and
 - (3) the results of dispersion calculations in accordance with Regulation 346 indicating the maximum concentration of Silica at the Point of Impingement.

Refusal of Source Testing

5. The Director may not accept the results of the Source Testing if:

- (1) the Source Testing Code or the requirements of the Manager were not followed; or
 - (2) the Company did not notify the District Manager and the Manager of the Source Testing; or
 - (3) the Company failed to provide a complete report on the Source Testing.
6. If the Director does not accept the results of the Source Testing, the Director may require re-testing.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to outline the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Facility.
2. Condition Nos. 2 to 6, inclusive, are included to require the Company to gather accurate information so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Appeal Board and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Board. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Appeal Board
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

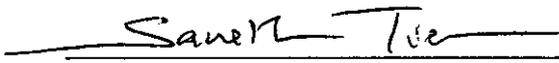
The Director
Section 9, *Environmental Protection Act*.
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

* Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 25th day of September, 2000

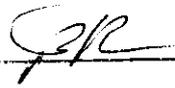

for Steve Klose, P.Eng.
Director
Section 9, *Environmental Protection Act*

FC/

c: District Manager, MOE Halton-Peel
Colin S. Jolly, President, Jolly & Associates Consultants Inc.

THIS IS A TRUE COPY OF THE
ORIGINAL CERTIFICATE MAILED

ON 09/26/00.....


Signed

High Priority

SI-HP-OA-WY — 210

Task#

8,009,401

Cross Reference:

AI

C of A (AIR) Jolly & Associates Consultants Inc., 2172 Wyecroft Road, Unit 24, Oakville

Created On: **May 26, 2000**

By: **Barros, Maria F**

Halton-Peel District (Burlington)

Workplan Program/Activity: **Air, Approvals - Air & Noise**

Location: **Oakville, Town of**

Received: **May 26, 2000**

Due Date: **Jun 2, 2000**

Completed:

Assignments

Assigned	Assigned By	Assigned To	Required Product	Due Date	Completed
May 26, 00	Barros, Maria F	Healy, Gerard M	No application rec'd yet.	Jun 2, 2000	

Keywords

Notes

Time

May 26, 2000 01:52 PM

Ministry of the Environment
Environmental Assessment and
Approvals Branch
2 St. Clair Avenue West
Floor 12A
Toronto ON M4V 1L5
Fax: (416) 314-8452
Telephone: (416)314-8225

Ministère de l'Environnement
Direction des évaluations
environnementales et des autorisations
2, avenue St. Clair ouest
étage 12A
Toronto ON M4V 1L5
Télécopieur: (416) 314-8452
Téléphone : (416)314-8225



May 15, 2000

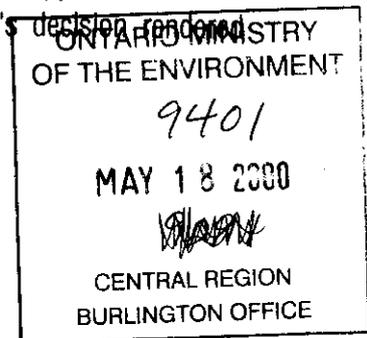
Colin S. Jolly, President
Jolly & Associates Consultants Inc.
5360 Cedar Springs Road, RR #3
Campbellville, Ontario
L0P 1B0

DISTRICT MANAGER

Should Regional response not be received within two (2) weeks from the date of the attached acknowledgement letter, the application will be processed and a Director's decision rendered without Regional input.

Dear Sir/Madam:

**Re: Application for Approval of Air Emissions
Evaporator to Discharge Water Vapour to Atmosphere
Oakville Town, Regional Municipality Of Halton
MOE Reference Number 0317-4KCKDK**



We acknowledge receipt of your application for approval dated December 11, 1999 and an application fee in the amount of \$1000.00 for the following:

Approval Type: Air Emissions
Project Description: This application is for one evaporator fired by natural gas, discharging water vapour and nitrogen oxides to atmosphere.
Site Location: 2172 Wycroft Road, Unit #24
Oakville Town, Regional Municipality Of Halton

The Ministry's reference number for your application is 0317-4KCKDK. Please quote this number in any correspondence or enquiries regarding this application.

We have screened your submission for completeness and find that the following additional information/documentation is necessary for us to process your application:

Please complete and return the attached application for a certificate of approval (air) as soon as possible. The application submitted by you is missing page 1 and is now obsolete. You are also requested to advise us how you have calculated the applicable fee as soon as possible.

All complete applications are processed chronologically in order of their receipt. At this time, it is anticipated that our review of your application should be completed within 10 weeks from the receipt of all of the missing information/documentation identified above.

Please be advised that should we not receive the above information/documentation or a response with explanations within two weeks of the date of this letter, we will consider your application withdrawn, and close your file accordingly. The submitted fee would then be refunded in the amount reduced by any applicable non-refundable fee.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at that time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible including the missing information/documentation identified above.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,



Brad Ross
Application Processor

c: District Manager, MOE Halton-Peel
Colin S. Jolly, President, Jolly & Associates Consultants Inc., Fax# (905) 335-2051

SI-HP-0A-WY - 210 .

High Priority

Task#

8,009,291

Cross Reference:

AI

C of A (AIR) Newburgh Specialized Chemicals, 2172 Wyecroft Drive, Unit 25, Oakville

Created On: **May 16, 2000**

By: **Barros, Maria F**

Halton-Peel District (Burlington)

Workplan Program/Activity: **Air, Approvals - Air & Noise**

Location: **Oakville, Town of**

Received: **May 16, 2000**

Due Date: **May 23, 2000**

Completed:

Assignments

Assigned	Assigned By	Assigned To	Required Product	Due Date	Completed
May 16, 00	Barros, Maria F	Healy, Gerard M	No acknowledgement rec'd yet.	May 23, 200	

Keywords

Notes

me

May 16, 2000 01:44 PM

Application for Approval (Air)

Ce formulaire est disponible en français

FOR OFFICE USE ONLY				
Application Number(s)	Client Number	Payment Received	Date	Initials
		\$		

Information requested by this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and the *Environmental Bill of Rights*, c.28, Statutes of Ontario, 1993 (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA. Questions should be directed to the Approvals Branch, 250 Davisville Avenue, 3rd Floor, Toronto, Ontario, M4S 1H2, Telephone No. (416)440-3713 or 1-800-461-6290, or to your local Ministry of Environment and Energy District Office.

Instructions

- When completing this form, please refer to the "Guide For Applying for Approval (Air)", Section 9, EPA (referred to as the Guide).
- This form must be completed with respect to all the requirements of the Guide in order for it to be considered as an application for approval. INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT OR DENIED APPROVAL.
- A complete application for approval consists of;
 - a completed and signed application form;
 - all supporting information as requested by this form and by the Guide; and
 - a certified cheque or money order for the approval fee, if applicable.
 The Ministry may require additional information following a review of the complete application.
- Two (2) copies of the application together with the supporting information must be submitted to the Ministry of Environment and Energy, One copy to: Director of Approvals Branch, Ministry of Environment and Energy, 250 Davisville Avenue, 3rd Floor, Toronto, Ontario, M4S 1H2
 Duplicate copy must be sent to the District Office having jurisdiction over the area in which the works will be located.
- Information contained in this application is not considered confidential and will be made available to the public upon request. Certain information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOI/POPA) and EBR. If you do not claim confidentiality at the time of submitting the information, the Ministry may make the information available to the public without further notice to you.

1. APPLICANT

Name (attach proof of name if applicable)
NEWBURGH SPECIALIZED CHEMICALS ASSOCIATES CONSULTANTS INC. DIVISION OF JOLLY &

Address (include street number, concession, lot etc.)
2172 WYECROFT DRIVE UNIT 24

City / Province
OAKVILLE ONTARIO.

Postal Code
L6L 5V6

Telephone Number
905-847-5665

Fax Number
905 335-2051

Owner of the Proposed Equipment? Yes No If no, attach name and address of the Owner of the Equipment

Operator of the Proposed Equipment? Yes No If no, attach name and address of the Operator of the Equipment

2. CONTACT FOR TECHNICAL AND DESIGN INFORMATION

Name / Title
COLIN JOLLY PRESIDENT JOLLY & ASSOCIATES.

Address
5360 CEDAR SPRINGS RD

City / Province
RR3 CAMPBELLVILLE ONT.

Postal Code
L0P 1B0

Telephone Number
905-335-3010

Fax Number
905 335-2051

3. LOCATION

Mobile Stationary (Provide location (street, concession, lot etc.) and complete remainder of this section)

**2172 WYECROFT DRIVE UNIT 25 OAKVILLE ONT
 PLAN 844 PART BLOCKS H, I, J REGISTERED PLANS.**

Adjacent Land Use Designation
 Industrial Commercial Residential Agricultural

Are the proposed works located in an area of development control as defined by the *Niagara Escarpment Planning and Development Act* (NEPDA)?
 Yes No (if Yes, attach copy of NEPDA permit)

Date Issued: 1999-07-26
(yyyy-mm-dd)

Business Name and Mailing Address:

NEWBURGH SPECIALIZED CHEMICALS
5360 CEDAR SPRINGS ROAD
RR.#3 CAMPBELLVILLE ON L0P 1B0

Business Address: SAME AS ABOVE

Telephone: (905) 335-3010 Ext: Fax: (905) 335-2051

E-Mail:

Legal Name(s): JOLLY & ASSOCIATES CONSULTANTS INC.

Type of Legal Entity: CORPORATION

Business Information	Number	Effective Date (yyyy-mm-dd)	Expiry Date (yyyy-mm-dd)
INCORPORATED (ONTARIO)	000869338	1990-01-30	
BUSINESS NAME REGISTRATION	990806457	1999-07-26	2004-07-25

To the Client: When the Master Business Licence is presented to any Ontario business program, you are not required to repeat information contained on this licence. Each Ontario business program is required to accept this licence when presented as part of its registration process. Call the Ontario Business Connects Helpline at 1-800-565-1921 or (416) 314-9151 or TDD (416) 326-8566 if you have any problems.

To the Ontario business program: A client is not required to repeat any information contained in this licence in any other form used in your registration process.



Ministry of
Consumer and
Commercial
Relations

CERTIFICATE

This is to certify that these
articles are effective on

Ministère de
la Consommation
et du Commerce
CERTIFICAT
Ceci certifie que les présents
statuts entrent en vigueur le

869338

JANUARY 30 JANVIER, 1990

[Signature]

8

Director
Companies Branch

Le Directeur
Direction des compagnies

Trans Code 18 A	Line No. 20 0	Stat 28 0	Comp Type 29 A	Method Incorp 30 3
Share 31 S	Notice Req'd 32 N	Jurisdiction 33 ONTARIO 47		

**ARTICLES OF INCORPORATION
STATUTS CONSTITUTIFS**

Form 1
Business
Corporations
Act,
1982
Formule
numéro 1
Loi de 1982
sur les
compagnies

1. The name of the corporation is: *Dénomination sociale de la compagnie:*
**JOLLY & ASSOCIATES CONSULTANTS
INC.**

2. The address of the registered office is: *Adresse du siège social:*
5360 Cedar Springs Road, R.R. # 3
(Street & Number or R.R. Number & if Multi-Office Building give Room No.)
(Rue et numéro ou numéro de la R.R. et, s'il s'agit d'un édifice à bureaux, numéro du bureau)

Campbellville, Ontario **L O P 1 B O**
(Name of Municipality or Post Office) (Postal Code)
(Nom de la municipalité ou du bureau de poste) (Code postal)

City of Burlington in the **Regional Municipality of Halton**
(Name of Municipality, Geographical Township) (County, District, Regional Municipality)
(Nom de la municipalité, du canton) (Comté, district, municipalité régionale)

3. Number (or minimum and maximum number) of directors is: *Nombre (ou nombres minimal et maximal) d'administrateurs:*
Minimum: One (1)
Maximum: Five (5)

4. The first director(s) is/are: *Premier(s) administrateur(s):*

First name, initials and surname <i>Prénom, initiales et nom de famille</i>	Residence address, giving street & No. or R.R. No. or municipality and postal code. <i>Adresse personnelle, y compris la rue et le numéro, le numéro de la R.R. ou, le nom de la municipalité et le code postal</i>	Resident Canadian State Yes or No <i>Résident Canadien Oui/Non</i>
Colin S. Jolly s.21		
Norma R. Jolly		

4. PROCESS/ACTIVITY DESCRIPTION - Brief description of the nature of business, industrial process or activity related to this site.

PRODUCTION OF COLLOIDAL SILICA

PRODUCT IS PRODUCED BY CONVERTING SODIUM SILICATE TO SILICIC ACID BY ION EXCHANGE. THE SILICIC ACID IS FED TO AN EVAPORATOR, NEUTRALIZED AND CONCENTRATED TO 30-40% SOLIDS.

5. TYPE OF APPLICATION

New Certificate of Approval

Amendment to a current Certificate of Approval

Current Certificate Number _____

Date of Issue _____

6. PROJECT/APPLICATION DESCRIPTION - EBR Abstract (Brief description of the proposal)

EVAPORATOR DISCHARGES WATER VAPOUR TO THE ATMOSPHERE AT A RATE OF 605 G/S. EVAPORATOR IS FIRED AT AN EMISSION RATE TO STACK OF 0.155 G/S OF NITROGEN OXIDE

OPERATION OF EVAPORATOR WOULD BE 10 HRS PER DAY AND UP TO 5 DAYS PER WEEK.

7. EBR REQUIREMENTS

Is this a proposal for a Prescribed Instrument under EBR?

Yes, Class of Instrument? _____

No

If "Yes", is it exempted from public notification?

Yes

No

If it is exempted from public notification, provide reason

Emergency

Equivalent Public Participation

EAA or Tribunal Decision

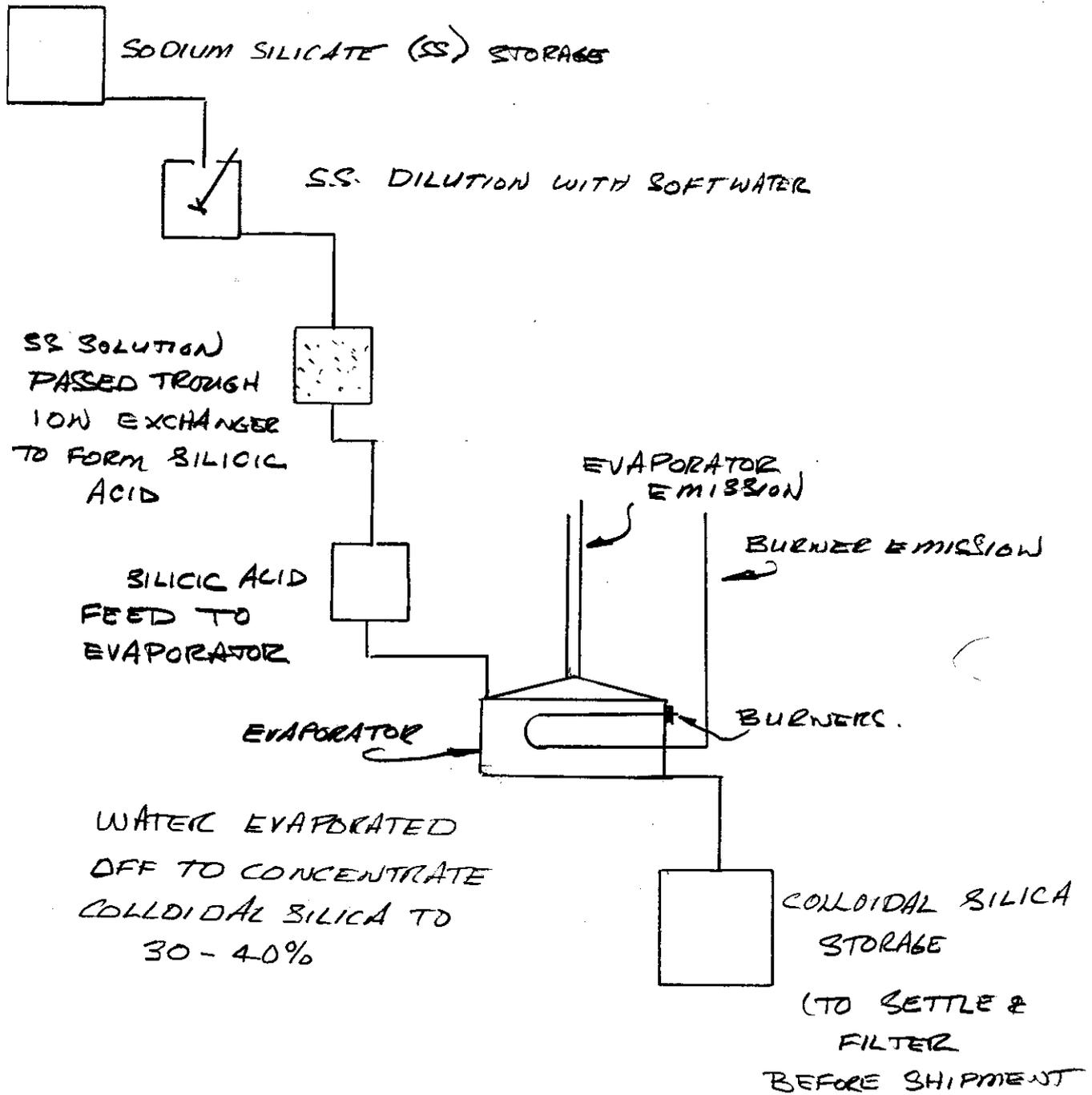
Environmentally Insignificant Amendment or Revocation

Documentation in support of the above noted exception must be provided in the attached information.

8. PUBLIC CONSULTATION/NOTIFICATION- Specify all public consultations/notification (such as public meetings, notification of First Nations, Canada - U.S. Air Quality Agreement notification etc.) that has been completed or is in the process of being completed.

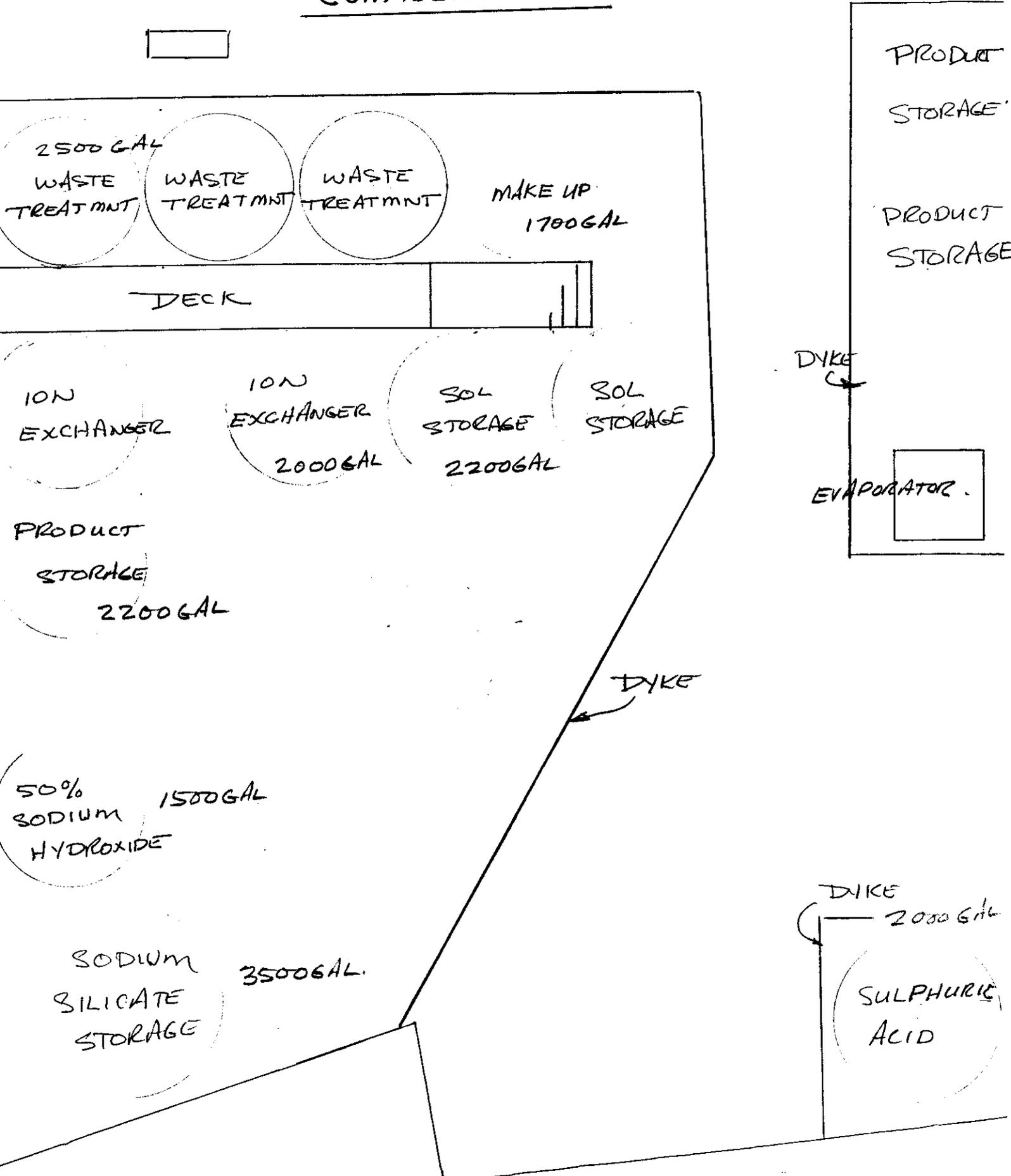
Blank space for public consultation/notification details.

JOLLY & ASSOCIATES.
PROCESS SCHEMATIC FOR COLLOIDAL SILICA



CONFIDENTIAL.

NEWBURGH
PLANT LAYOUT
CONFIDENTIAL



Material Safety Data Sheet

Newburgh Specialized Chemicals

Division of Jolly & Associates Consultants Inc.,
5360 Cedar Springs Road, R.R. #3 Campbellville, On. L0P 1B0
Tel: (905) 335-3010 Fax: (905) 335-2051

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT TRADE NAME: CS1240 **PRODUCT DESCRIPTION:** Colloidal Silica Dispersion
WHMIS CLASSIFICATION: Not controlled **DATE::** May 12th, 1998
HMIS RATING: 1/1 HEALTH 0/0 FLAMMABILITY 0/0 REACTIVITY 0 OTHER
0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme

SECTION 2 COMPOSITION

	CAS NO.	%
Colloidal silica (amorphous) dispersion	7631-86-9	15-40
Water	7732-18-5	40-70

SECTION 3 PHYSICAL DATA

FORM: Liquid
pH 10
APPEARANCE: White translucent
ODOUR: Bland
RELATIVE DENSITY AT 25°C: 1.29
BOILING PT: 100° C
FREEZING POINT: 0°c
VISCOSITY @ 25°c: 30 max.

Above are typical values for this product

SECTION 4 FIRE & EXPLOSION DATA

FLASH POINT:	Not flammable
EXTINGUISHING MEDIA:	Use extinguishing agent suitable for type of surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES:	None
UNUSUAL FIRE & EXPLOSION HAZARDS:	None known

SECTION 5 REACTIVITY DATA

Stability:	Keep product from freezing
Conditions to Avoid:	Avoid temperatures below 0°C
Incompatibility (Materials to Avoid):	Contact with strong acids (e.g. sulfonic, phosphoric, nitric, hydrochloric, chromic, sulfonic) which can generate heat, splattering or boiling and the release of toxic fumes.
Hazardous Decomposition Products:	None known
Hazardous Polymerization:	Will not occur

SECTION 6 HEALTH HAZARD DATA**EFFECT OF OVEREXPOSURE BY:**

INHALATION:	May cause irritation to the respiratory tract and lungs if dust is generated and inhaled. Prolonged inhalation of dust can cause pneumoconiosis.
SKIN CONTACT:	May cause mild short lasting irritation. Drying of the skin may occur on continued contact with the product.
EYE CONTACT:	May cause mild short lasting irritation.
INGESTION:	May cause gastrointestinal irritation.

OTHER INFORMATION:

EXPOSURE LIMITS: (INHALATION)	TLV-TWA: Amorphous silica, 10 mg/m ³ total dust, ACGIH
SENSITIZATION TO PRODUCT:	Not suspected to be a sensitizer
CARCINOGENICITY:	None known

SECTION 7 FIRST AID MEASURES

- Inhalation:** Move person to fresh air. Treat symptoms. Obtain medical attention immediately
- Eye Contact:** Flush with water for 15 minutes. Obtain medical attention immediately.
- Skin Contact:** Flush with water for 15 minutes. If drying of skin has occurred, apply a hand lotion to the affected area.
- Ingestion:** Do not induce vomiting. Give water. Obtain medical attention.

SECTION 8 SPECIAL PROTECTION INFORMATION

- RESPIRATORY PROTECTION:** None normally required. A NIOSH/MSHA approved air-purifying respirator with dust, mist, fume cartridges may be used if dust is present from dried product.
- VENTILATION:** General area ventilation is recommended.
- EYE PROTECTION:** Chemical goggles
- PROTECTIVE GLOVES:** Impermeable gloves (PVC, natural rubber, viton and butyl etc)
- OTHER PROTECTIVE EQUIPMENT:** None normally required

If clothing is contaminated, remove clothing and thoroughly wash the affected area with water. Launder contaminated clothing before reuse.

SECTION 9 SPECIAL PRECAUTIONS

- IN HANDLING AND STORAGE:** Avoid breathing product mist. Avoid generating or breathing dust from dried product. Keep container closed.
- OTHER:** Keep product from freezing. Avoid temperatures below 0°C.

SECTION 10 SPILL & LEAK INFORMATION

- ENVIRONMENTAL EFFECTS:** Not known to be harmful to aquatic life at low concentrations. No quantitative data are available

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR LEAK:

Stop release and contain on absorbent material. Prevent from entering watercourses. For significant releases, contact appropriate regulatory authorities.

SECTION 12 WHMIS CLASSIFICATION

NOT REGULATED

SECTION 13 TRANSPORTATION INFORMATION

NOT REGULATED - **FOR EMERGENCY CALL - (905) 335-3010**

BIBLIOGRAPHY

DANGEROUS PROPERTIES OF INDUSTRIAL CHEMICALS:

Sax, N. Irving ed., Van Nostrand Reinhold Company, NY. 6th edition, 1984

ANNUAL REPORT ON CARCINOGENS:

U.S. Department of Health and Human Services, Public Health Service, NTP 85-002, 1985

THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES;

American Conference of Governmental Industrial Hygienists, OH

PREPARED BY: Colin S. Jolly

TITLE: Consultant - Jolly & Associates Consultants Inc.

DATE ISSUED: May 12th, 1998

The information in this MSDS is based on data believed to be both current and reliable at time of publication. Jolly & Associates Consultants Inc. make no warranties as to the accuracy and assumes no liability from its use. Compliance to Local, Provincial and Federal laws are the responsibility of the user.



MATERIAL SAFETY DATA SHEET

PCI CHEMICALS CANADA INC.
630 René-Lévesque Blvd. W., 31st Floor
Montréal, Québec, H3B 1S6
Canada • (514) 397-6100

PCI CAROLINA, INC.
3411 Silverside Road
Wilmington, DE 19850
USA • (302) 887-4188

EMERGENCY CONTACTS

FOR EMERGENCIES INVOLVING A CHEMICAL SPILL OR RELEASE IN NORTH AMERICA, CALL THE PCI TRANSPORTATION EMERGENCY SYSTEM AT 1-888-306-7070.

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SODIUM HYDROXIDE SOLUTION (50%) CAUSTIC SODA

MSDS Number: 10027

MATS Index: 46361

Date Issued: May 9, 1997

Product Use: Neutralizing agent, industrial cleaning, pulping and bleaching, soap manufacturing.

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% (w/w)	ACGIH TWA	CAS NO.
Sodium Hydroxide	40-70	2 mg/m ³	1310-73-2 (ceiling)

SECTION 3 - HAZARD IDENTIFICATION

Emergency Overview: Corrosive! Odourless. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Causes severe burns on contact. Mists and vapours are irritating to eyes, respiratory system and skin. Reacts with some metals to liberate hydrogen gas which can form explosive mixtures with air. May react with some incompatibles violently, explosively or form spontaneously combustible compounds. Toxic to aquatic organisms. Read the entire MSDS for a more thorough evaluation of the hazards.

SECTION 4 - FIRST AID MEASURES

General: Corrosive effects on the skin, respiratory tract, and eyes may be delayed, and damage may occur without the sensation or onset of pain. Strict adherence to first aid measures following any exposure is essential. **SPEED IS ESSENTIAL. OBTAIN IMMEDIATE MEDICAL ATTENTION.**

Inhalation: Move victim to fresh air. Give artificial respiration **ONLY** if breathing has stopped. Do **NOT** use mouth-to-mouth method if victim has ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve. Give cardiopulmonary resuscitation (CPR) if there is no breathing **AND** no pulse. Oxygen administration may be beneficial in this situation but should only be administered by personnel trained in its use. Obtain medical attention **IMMEDIATELY**.

Skin Contact: Flush skin with running water for a minimum of 20 minutes or up to 30 minutes for critical body areas. If irritation persists, repeat flushing. Obtain medical attention **IMMEDIATELY**. Do not transport victim unless the recommended flushing period is completed or flushing can be continued during transport.

Eye Contact: Immediately flush eyes with running water for a minimum of 20 minutes, preferably up to 30 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Do not transport victim until the recommended flushing period is completed unless flushing can be continued during transport. Obtain medical attention **IMMEDIATELY**.

Ingestion: If victim is alert and not convulsing, rinse mouth out and give 200-300 mL (1 cup) of water to dilute material. **DO NOT** induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned to avoid breathing in of vomitus, rinse mouth and administer more water. Obtain medical attention **IMMEDIATELY**.

Note to Physicians: Do **NOT** give acidic agents such as vinegar or juice. This will cause an exothermic reaction and burn the esophagus. Symptomatic. Treatment and supportive therapy as indicated. This product contains materials that may cause severe pneumonitis if aspirated. If ingestion has occurred less than 2 hours earlier, carry out careful gastric lavage; use endotracheal cuff if available, to prevent aspiration. Observe patient for respiratory difficulty from aspiration pneumonitis. Give artificial resuscitation and appropriate chemotherapy if respiration is depressed. Following exposure the patient should be kept under medical review for at least 48 hours as delayed pneumonitis may occur. Pulmonary edema is likely and may be delayed. Steroid therapy, if given early, may be effective in preventing or alleviating edema. Medical conditions that may be aggravated by exposure include asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. In the event of skin or eye contact, rapid and thorough flushing is essential.

SECTION 5 - FIRE-FIGHTING MEASURES

Flash Point: This product does not flash.

Flammable Limits (Lower): Not applicable.

Flammable Limits (Upper): Not applicable.

Auto Ignition Temperature: Not applicable.

Decomposition Temperature: Not available.

Rate of Burning: Not applicable.

Explosive Power: Not applicable.

Sensitivity to Mechanical Impact: Not expected to be sensitive to mechanical impact.

Sensitivity to Static Discharge: May be sensitive due to possible presence of hydrogen gas.

Hazardous Reactions: May react violently with strong acids. The reaction with water may generate enough heat to ignite combustible materials. May react with organohalogen compounds to form spontaneously combustible compounds. May react explosively with nitro- and chloro-organic compounds, glycols and organic peroxides. Violently polymerizes acetaldehyde, acrolein, and acrylonitrile. Can produce carbon monoxide upon contact with solutions of sugars. Contact with metals such as aluminum, tin and zinc generate hydrogen which is flammable and explosive when ignited.

Fire and Explosion Hazards: Not normally a fire hazard. Water content of product prevents ignition. Arc welding, cutting, grinding, or drilling on or near containers of this product may cause electrolysis of liquor producing hydrogen gas which is flammable and explosive when ignited. See above "Hazardous Reactions" and Section 10.

Extinguishing Media: As appropriate for surrounding materials/equipment.

Fire Fighting Procedures: Water spray should be used to cool containers. Water spray may be used to knock down escaping vapour.

Fire Fighting Protective Equipment: Use self-contained breathing apparatus and special protective clothing.

NOTE: Also see "Section 10 - Stability and Reactivity"

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills, Leaks, or Releases: Restrict access to area. Only trained personnel are to conduct clean up. Use tools of compatible materials and that are non sparking. Eliminate all sources of ignition. Stay upwind. Keep out of low areas. Collect product for recovery or disposal. For release to land, contain discharge by constructing dikes or applying inert absorbent; for release to water, utilize damming and/or water diversion to minimize the spread of contamination. Collect contaminated soil and water, and absorbent for proper disposal. Notify applicable government authority if release is reportable or could adversely affect the environment.

Deactivating Chemicals: Neutralize carefully with weak acid to a pH of 6 to 9.

SECTION 7 - HANDLING AND STORAGE

Handling: Take all precautions to avoid personal contact. Avoid contact with eyes, skin or clothing. Wear personal protective equipment that is compatible with product. Product is NOT compatible with cloth and leather. Also see "Section 10 - Stability and Reactivity". Locate safety shower and eye wash station close to chemical handling area. Use only with adequate ventilation and avoid breathing aerosols, mists and vapours. Keep containers closed when not in use. Empty containers may contain hazardous residues. Wash containers thoroughly prior to disposal. Never add water to product. Always add product (with constant stirring) slowly to cold water to prevent excessive heat generation. If product is added too rapidly, or without stirring, and becomes concentrated at the bottom of the mixing vessel, excessive heat may be generated, resulting in dangerous boiling and splattering, with the possible immediate and violent eruption of highly caustic solution. If electric arc welding or cutting, particular attention must be made to the way the circuit is completed to eliminate the possibility of electrolysis of liquor producing hydrogen gas. Following prolonged storage in metal tanks, a black sludge will collect at the bottom of the tank. The sludge may contain iron, sodium carbonate, and when Rayon grades are stored, mercury. Provisions should be made for testing the atmosphere for oxygen and mercury prior to entry in storage tanks.

Process Hazards: Solutions of greater than 45% are very slippery, causing a slipping hazard on floors. When diluting or preparing solutions, add product to water in small amounts to avoid boiling and splattering. Product may attack some forms of plastics and rubbers.

Storage Requirements: Keep only in original container in a cool, well-ventilated place. Keep containers tightly closed and dry. Keep away from incompatibles, heat, sparks, flames, and other ignition sources. Nickel is the preferred metal for handling this product. Plastics or plastic-lined steel, or FRP tanks of derakane vinyl ester resin may be suitable. Steel tanks must be stress relieved for liquors containing 30% or more of caustic or above 60°C (140°F) for lower concentrations.

Sodium hydroxide solution (50%)

Page 5

Storage Temperature: Avoid freezing! Ideal storage temperature is 30°C (86°F). Do not expose sealed containers to temperatures above 40°C (104°F).

Storage Life: Not available.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

PREVENTIVE MEASURES:

Recommendations listed in this section indicate the type of equipment which will provide protection against over exposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

Engineering Controls: Full handling precautions should be taken at all times. Local exhaust ventilation required. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Use full face-shield and chemical safety goggles when there is potential for contact.

Skin Protection: Gloves and protective clothing made from neoprene, rubber or PVC should be impervious under conditions of use.

Respiratory Protection: A NIOSH/MSHA-approved air-purifying respirator equipped with dust, mist, fume cartridges up to ten times the TLV. An air-supplied respirator if concentrations are high or unknown. For

Rayon grades only: operations involving black sludge containing mercury, an air supplied respirator or SCBA must be worn.

EXPOSURE GUIDELINES:

PRODUCT: None established for this product (50%).

Sodium hydroxide solution (50%) . . .

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HAZARDOUS INGREDIENT(S):**Sodium Hydroxide:**

ACGIH TLV	2 mg/m ³ (ceiling)
OSHA PEL CEILING	2 mg/m ³
NIOSH TLV	2 mg/m ³ (ceiling)
NIOSH IDLH	10 mg/m ³

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**Alternate Name(s):** Lye, Soda Lye, Caustic Soda Liquid (50%)**Chemical Name:** Sodium Hydroxide.**Chemical Family:** Alkali hydroxide.**Molecular Formula:** NaOH**Appearance:** Clear-to-slightly turbid liquid.**Odour:** Odourless.**pH:** 14.0 (Aqueous solution: 5%)**Vapour Pressure (mm Hg at 20°C):** 1.5**Vapour Density (Air=1):** Not applicable.**Boiling Point:** 142 to 148°C (287.6 to 298.4°F)**Melting Point:** 12 to 15°C (53.6 to 59°F)**Freezing Point:** 14°C (57.2°F)**Solubility (Water):** 100 %**Solubility (Other):** Soluble in ethanol, methanol, and glycerol.**Specific Gravity:** 1.52**Evaporation Rate:** Not Available.**Viscosity (cp):** 78.3**Bulk Density (lbs/cu ft):** 95.5**% Volatile Organic Compounds:** 0 %**Partition Coefficient:** 0**Additional Properties:** Saturated vapour concentration: 1980 ppm (0.2%) at 20°C (68°F) for a 50% solution (calculated).

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Decomposition Products: Products that may form due to combustion are sodium oxide, peroxides and carbonates.

Chemical Stability: Stable at room temperature.

Conditions to Avoid: Avoid high temperatures. Keep away from heat and sources of ignition. Absorbs carbon dioxide from air or other sources, forming sodium carbonate. Keep away from incompatibles. Avoid freezing. Avoid contact with air as product slowly loses its efficiency as a neutralizing agent.

Incompatibility with other Substances: Strong oxidizing agents. Strong acids, water, organohalogen, nitro- and chloro-organic compounds, glycols and organic peroxides, acetaldehyde, acrolein, acrylonitrile, solutions of sugars, and contact with metals. Contact with metals such as aluminum, tin and zinc generate hydrogen which is flammable and/or explosive when ignited. Corrosive to aluminum, lead, tin, zinc, copper and alloys of these metals; brass and bronze. Corrosive to steel at elevated temperatures (above 40°C (104°F)). Product is not compatible with cloth and leather.

Hazardous Polymerization: Will not occur. However, it induces hazardous polymerization of acetaldehyde, acrolein, and acrylonitrile.

SECTION 11 - TOXICOLOGICAL INFORMATION

Summary: Corrosive! Corrosive to mucous membranes, eyes, skin, respiratory tract, and gastro intestinal tract. May cause immediate pain. Direct contact may cause permanent damage to eye, if it is not immediately irrigated. Health effects may be delayed. All systemic symptoms are thought to be secondary to local tissue injury and shock. High or prolonged inhalation exposure may cause pulmonary edema. Ingestion may cause severe burns of the gastro intestinal tract. Repeated or prolonged exposure to dilute solution may cause irritations of mucous membranes, eyes, skin, and respiratory tract.

TOXICOLOGICAL DATA:**PRODUCT:**

None established for this product (50%).

INGREDIENTS:

Sodium Hydroxide: Oral LDLO (rabbit) = 500 mg/kg

POTENTIAL HEALTH EFFECTS:

Inhalation: Corrosive! Product may cause severe irritation of the nose, throat and respiratory tract. Repeated and/or prolonged exposures may cause productive cough, running nose, bronchopneumonia, pulmonary edema (fluid build-up in lungs), and reduction of pulmonary function.

Skin Contact: Corrosive! Concentrated solutions may cause pain and deep and severe burns to the skin. Prolonged and repeated exposure to dilute solutions often causes irritation, redness, pain and drying and cracking of the skin. Alkalis penetrate skin slowly.

Eye Contact: Extremely corrosive! This product causes corneal scarring and clouding. Glaucoma, cataracts and permanent blindness may occur.

Ingestion: Corrosive! Will immediately cause severe corrosion of and damage to the gastrointestinal tract. Lethal dose for man is approximately 5 grams.

Subchronic Effects: None known.

Chronic Effects: Dermatitis (reddening or cracking of the skin) may occur following prolonged contact. Some individuals who have ingested corrosive solutions have developed squamous cell carcinomas of the esophagus 12 to 42 years after the incident. Similar cancers have been observed at the sites of severe burns. Therefore, these cancers are believed to be due to tissue destruction and scar formation rather than due to direct action by this product.

Carcinogenicity: The ingredient(s) of this product is (are) not classified as carcinogenic by ACGIH (American Conference of Governmental Industrial Hygienists) or IARC (International Agency for Research on Cancer), not regulated as carcinogens by OSHA (Occupational Safety and Health Administration), and not listed as carcinogens by NTP (National Toxicology Program).

Mutagenicity: There is no evidence of mutagenic potential.

Reproductive Effects: No information is available and no adverse reproductive effects are anticipated.

Teratogenicity and Fetotoxicity: No information is available and no adverse teratogenic/embryotoxic effects are anticipated.

Synergistic Materials: None known.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicological Information:

LC100 Cyprinus Carpio 180 ppm/24H at 25°C (77°F).

TLm mosquito fish 125 ppm/96H (fresh water).

TLm Bluegill 99mg/L/48H (tap water)

Can cause damage to vegetation. Toxicity is primarily associated with pH. Toxic to aquatic life.

Environmental Effects: Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

Persistence and Degradation: Degrades readily by reacting with natural carbon dioxide in the air. Does not bioaccumulate.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.

Waste resulting from cleaning storage tanks that contained Rayon grade sodium hydroxide solution, may contain trace quantities of mercurous compounds. Appropriate environmental regulations need to be checked to ensure the waste is disposed of as prescribed by law.

SECTION 14 - TRANSPORT INFORMATION

TDG Name: Sodium Hydroxide Solution

TDG Class/Division: 8 (9.2)

Product Identification Number (PIN): UN1824

Packing Group: II

Transportation Emergency Telephone Number: 1-888-306-7070

DOT Name: Sodium Hydroxide, Solution.

DOT Class: 8 - Corrosive.

Packing Group: II

IMO: 8

IATA/ICAO Class: 8

Sodium hydroxide solution (50%) . . .

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SECTION 15 - REGULATORY INFORMATION

CANADIAN CLASSIFICATION:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this MSDS (Material Safety Data Sheet) contains all the information required by the CPR.

Controlled Products Regulations (WHMIS) Classification: E: Corrosive.

CEPA / Canadian Domestic Substances List (DSL): The substance(s) in this product is/are on the Canadian Domestic Substances List (CEPA DSL).

IARC Classification: None of the components of this product are listed on IARC.

USA CLASSIFICATION:**OSHA Classification:**

Physical: Corrosive.

Health: Corrosive. Eye hazard.

Target Organ: Corrosive to mucous membranes, eyes, skin, respiratory tract, and gastro intestinal tract. All systemic symptoms are thought to be secondary to local tissue injury and shock.

SARA Regulations Sections 313 and 40 CFR 372: This product does not contain any chemicals subject to reporting requirements.

Ozone Protection and 40 CFR 42: This product does not contain nor is it manufactured with ozone depleting substances.

Other Regulations/Legislation which apply to this product: Florida, New Jersey Special Health Hazard Substance List, Minnesota Hazardous Substance, California Director's List of Hazardous Substances, Pennsylvania Right-to-Know Special, Rhode Island Hazardous Substance List., Massachusetts Right-to-Know, Pennsylvania Right-to-Know, New Jersey Right-to-Know, CERCLA.

SECTION 16 - OTHER INFORMATION

MATS Index: 46361

Label Text: Danger! Extremely Corrosive! Causes severe burns. Do not get in eyes, on skin, or on clothing. Do not take internally. Use with adequate ventilation. Do not cut, weld, grind or drill on or near this container. Reacts with some metals to liberate hydrogen gas which can form explosive mixtures with air. Do not add water to container. May react with some incompatibles violently, explosively or form spontaneously combustible compounds. Do NOT handle or use until recommended safety precautions are read and understood. Read the entire MSDS for a more thorough evaluation of the hazards.

HMIS Rating:

HEALTH	- 3
FLAMMABILITY	- 0
REACTIVITY	- 1

NFPA Rating:

HEALTH	- 3
FLAMMABILITY	- 0
REACTIVITY	- 1

* This product is corrosive.

REFERENCES:

RTECS-Registry of Toxic Effects of Chemical Substances, On-line search, Canadian Centre for Occupational Health and Safety RTECS database, National Institute for Occupational Safety and Health, U.S. Dept. of Health & Human Services, Cincinnati, 1994.

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Grayson, Martin, Ed., Kirk-Othmer Concise Encyclopedia of Chemical Technology, 3rd ed., John Wiley and Sons, New York, 1985.

The British Columbia Drug and Poison Information Centre, Poison Managements Manual, Canadian Pharmaceutical Association, Ottawa, 1984.

Windholz, Martha, Ed., The Merck Index, 12th ed., Merck and Co., Inc., Rahway, New Jersey, 1996.

Prepared By: Safety, Health and Environment (905) 403-2745

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and PCI not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein. This Material Safety Data Sheet is valid for three years.

In Case of an Emergency
24 Hour Emergency Numbers

Benson - 519-821-0215

Canutec - 613-996-6666

Call Collect

MATERIAL SAFETY DATA SHEET

N[®] SODIUM SILICATE

Document: MSDS01

SECTION 1:

PRODUCT INFORMATION

MANUFACTURER: National Silicates Limited
ADDRESS: 429 Kipling Avenue, Toronto, Ont. M8Z 5C7
EMERGENCY TELEPHONE NO: 1-416-255-7771
SALES NAME: N[®] SODIUM SILICATE SOLUTION
CHEMICAL NAME: Sodium silicate
PRODUCT USE: Adhesive, binder, pulp & paper, water treatment, catalysts & gels

SECTION 2:

PHYSICAL DATA

APPEARANCE & ODOUR: Viscous Liquid - Colourless to hazy - Odourless
SPECIFIC GRAVITY @ 20°C: 1.394
SOLUBILITY IN WATER: Complete
SOLIDS CONTENT: 37.6%
pH: 11.3

SECTION 3:

HAZARDOUS INGREDIENTS

COMPOSITION: 100% Liquid Sodium Silicate Solution
CAS REGISTRY NO: 1344-09-8
LD₅₀: Oral, Rat, 3.3-8.4 g/kg.

SECTION 4:

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
EYE CONTACT..... Causes irritation
SKIN CONTACT... Causes irritation
INHALATION..... Spray mist may irritate respiratory tract
INGESTION..... Causes Irritation

CHRONIC HAZARD: *None known.* Not listed by NTP, IARC or OSHA as a carcinogen.

EXPOSURE LIMITS: Permissible exposure limit or ACGIH threshold limit value have not been established. NSL recommended ceiling limit 5 mg/m³.

WHMIS CLASSIFICATION: CLASS D-2B, SKIN OR EYE IRRITANT.

Document: MSDS01

SECTION 5:**FIRST AID PROCEDURES**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician.

ANTIDOTE: If swallowed, do NOT induce vomiting. Give large quantities of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN.

SECTION 6:**PREVENTIVE MEASURES****RESPIRATORY PROTECTION:**

Use approved mist respirator where spray occurs.

GLOVES:

Rubber.

EYE PROTECTION:

Chemical goggles and/or face shield.

OTHER PROTECTIVE EQUIPMENT:

Safety shower and eyewash fountain should be within direct access.

PERSONAL HYGIENE:

Avoid contact with eye, skin and clothing. Wash thoroughly after handling. Wash contaminated clothing before re-use.

ENGINEERING CONTROL:

Not applicable.

SPECIAL SHIPPING INFORMATION:

Not regulated under TDG.

ENVIRONMENTAL HAZARD:

High pH (alkalinity) of undiluted unneutralized material is harmful to aquatic life.

SPILLAGE:

Sinks and mixes with water.

SMALL QUANTITIES (LESS THAN 100 GAL.): Clean-up with absorbent material. Wash area with water. Do not flush to sewer.**LARGE QUANTITIES:** Isolate, dike and pump discharged material to storage tank if possible or use a vacuum truck. Do not flush to sewer or waterway.**WASTE DISPOSAL METHOD:**

Neutralize with dilute acid and dispose mixture according to local, provincial and federal legislation or mix with sand, cement powder or calcium chloride to gel and dispose solids according to local, federal, and provincial legislation.

SECTION 7:**FIRE OR EXPLOSION HAZARD****FLASH POINT (°C):**

Non flammable aqueous liquid

FLAMMABLE LIMITS (VAPOUR IN AIR, VOL %):

" " " "

FIRE EXTINGUISHING MEDIA:

" " " "

SPECIAL FIRE FIGHTING PROCEDURES:

" " " "

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE

SECTION 8:**REACTIVITY DATA****STABILITY:**

Stable

CONDITIONS TO AVOID:

Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminium, tin, lead and zinc.

INCOMPATIBILITY: (MATERIALS TO AVOID):

Gels when mixed with acid.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen.

SECTION 9:**PREPARATION INFORMATION**

PREPARED BY: EH&S Dept. (416) 255-7771

Reviewed : July 21, 1997
Supersedes: June 10, 1997
Issued: September 13, 1999

noranda Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Equipment
 	WHMIS CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). WHMIS CLASS E: Corrosive liquid.	    

Section I. Chemical Product and Company Identification

Product Name/ Trade Name	Sulfuric acid	Code	Not available
Supplier	NORANDA INC" 1, Adelaide Street East Suite 2700 Toronto (Ontario) Canada M5C 2Z6	CAS	7664-93-9
Synonym	Concentrated sulfuric acid, sulfuric acid 93%, sulfuric acid 96%, sulfuric acid 98%, oil of vitriol, sulphuric acid Acide sulfurique (french)	DSL	On the DSL list
Chemical Name	Sulfuric acid	CI	Not applicable
Chemical Family	Acid	In case of Emergency (705) 693-2761	
Chemical Formula	H ₂ SO ₄		
Manufacturer	FALCONBRIDGE LIMITED Sudbury Operations Falconbridge, Ontario	Material Uses	Industrial applications: used as a general reagent in chemical industry.

Section II. Composition and Information on Ingredients

Name	CAS #	Exposure Limits according to ACGIH			% by Weight
		TLV-TWA (mg/m ³)	TLV-STEL (mg/m ³)	TLV-CEIL (mg/m ³)	
Sulfuric acid	7664-93-9	1	3		93-98
Water	7732-18-5				2-7
Toxicological Data on Hazardous Ingredients	Sulfuric acid : ORAL (LD50) : INHALATION (LC50) :	Acute:	2140 mg/kg (Rat) 255 mg/m ³ (Rat) (4 hours) 160 mg/m ³ (Mouse) (4 hours)		

Section III. Hazards Identification.

Potential Acute Health Effects	Severe over-exposure can result in death. Can be fatal if inhaled or ingested. Liquid or mists may produce tissue damages particularly : mucous membranes of eyes, mouth and respiratory tract. Extremely dangerous in case of skin contact (corrosive), of eye contact (corrosive and irritant). Severe irritant for the eyes. Inflammation of the eyes is characterized by redness, watering and itching. Very dangerous in case of inhalation. Inhalation of the mists may produce severe irritation of respiratory tract, characterized by coughing, shortness of breath or choking. Dangerous in case of ingestion.
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Sulfuric acid

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Potential Chronic Health Effects	CARCINOGENIC EFFECTS : PROVEN for occupational exposures to strong inorganic acid mists containing sulfuric acid by IARC . MUTAGENIC EFFECTS : not applicable. TERATOGENIC EFFECTS : not applicable. TOXICITY TO THE REPRODUCTIVE SYSTEM : not applicable. The substance may be toxic to the lungs, liver and mucous membranes. A non-controlled repeated or prolonged exposure to this substance can damage target organs. Repeated exposure to a toxic material may produce a general health deterioration by an accumulation in one or many human organs.
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Section IV. First Aid Measures

Eye Contact	<p>Immediately flush eyes with plenty of water, holding eyelids open for at least 20 minutes. Consult a physician.</p> <p>Contact may cause severe irritation and permanent eye damage. Sulfuric acid may cause conjunctivitis or severe burns; permanent damage may occur. Check for and remove contact lenses.</p>
Skin Contact	<p>Remove contaminated clothing and immediately flush skin with plenty of water for at least 20 minutes. Call a physician.</p> <p>May irritate skin. Sulfuric acid is highly corrosive, may cause burns and possibly leave some scarring.</p>
Inhalation	<p>First-aiders should take precautions to avoid secondary contamination by residual acids. <u>Remove to fresh air.</u> If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.</p> <p>Sulfuric acid may cause damage to the upper respiratory tract and lung tissues. Maintain observation of the patient for delayed onset of pulmonary oedema. May cause irritation to the upper respiratory tract : coughing, sore throat, shortness of breath.</p>
Ingestion	<p>DO NOT INDUCE VOMITING. If victim is conscious and alert, rinse mouth with water and give 1/2 to 1 cup of water or milk to dilute material. IMMEDIATELY OBTAIN MEDICAL ATTENTION. If spontaneous vomiting occurs, have the individual lean forward with head down to avoid breathing in of vomit. Rinse mouth and give 1/2 to 1 cup of water or milk.</p> <p>If swallowed, will cause burns : mouth, throat, stomach. May be fatal.</p> <p>SPECIAL NOTE TO PHYSICIANS : <u>Do not</u> attempt to neutralize the acid with weak bases since the exothermic reaction may extend the corrosive injury. <u>Do not</u> use buffering agents (antacids) since significant exothermic reactions will occur without significantly altering the pH. Be careful to avoid further vomiting and limit fluid to one or two glasses for an adult since reexposure of the mucosa to acid is harmful.</p>

Section V. Fire and Explosion Data

The Product Is:	Non-flammable
Auto-Ignition Temperature	Not applicable
Flash Points	Not applicable
Flammable Limits	Not applicable
Products of Combustion	Sulfur oxides (SO ₂ , SO ₃ , etc.)
Fire Hazards in Presence of Various Substances	<p>Sulphuric acid may cause ignition of combustible materials on contact.</p> <p>See section X : special remarks on reactivity</p>

Sulfuric acid		<i>Page Number: 3</i>
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact : not applicable. Risks of explosion of the product in presence of static discharge : not applicable. Explosive in presence of heat, reducing materials, metals, acids, alkalis and moisture. See section X : spécial remarks on reactivity	
Fire Fighting Media and Instructions	North American Emergency Response Guide Book, guide 137 (NAERG 1996) When material is not involved in fire : do not use water on material itself. Small Fire : Use CO ₂ , dry chemical, dry sand or flooding quantities of water. Large Fire : Flood fire area with large quantities of water, while knocking down vapours with water fog.	
Special Remarks on Fire Hazards	No additional remarks	
Special Remarks on Explosion Hazards	No additional remark	

Section VI. Accidental Release Measures

Spill	Consider evacuation of all but emergency personnel. Call Sudbury's emergency phone number : (705) 693-2761 (3333) Inform the emergency teams of Environment Canada and of the Ministry of the Environment and Fauna of Quebec (MEF). AUTRES PROVINCES : Environment Canada and provincial authorities. ÉTATS-UNIS : EPA and local authorities THE FOLLOWING INFORMATION IS TO BE USED BY EMERGENCY PERSONNEL ONLY : NEVER wash down a spill of sulfuric acid with water. Contain spill with sand or soil. Beware of toxic or explosive gases which may be generated. Neutralize with hydrated lime, milk of lime, soda ash or diluted caustic soda. NEVER use organic materials like sawdust to cover up spills of sulfuric acid.
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Section VII. Handling and Storage

Precautions	DO NOT ingest or inhale gas, fumes, vapors or sprays. Avoid contact with eyes. Never add water to this product. In case of insufficient ventilation, wear appropriate respiratory equipment if exposure limits are exceeded. If ingested, seek medical advice immediately and show the label or the MSDS. Keep away from incompatible materials. Keep dry and away from any source of ignition. Keep away from combustible materials.
Storage	Sulfuric acid should be stored in clean well ventilated areas with acid-resisting floors and controlled drainage. Do not store near combustible chemicals. Soda ash or lime should be kept near storage facility for emergency uses. Large volume : steel tanks. Small volume : glass bottle with envelope.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne concentrations of vapors or mists below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are in close proximity to the work station locations.
Personal Protection	Wear acid resistant equipment and impervious protective clothing (level C) and chemical goggles. Be sure to use a NIOSH/MSHA approved respirator or equivalent when occupational exposure limits are exceeded.

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Personal Protection in Case of a Large Spill If vapors or mists are present in large concentration are present, a self-contained breathing apparatus (SCBA) should be used to avoid inhalation of material. If not in large concentration, use chemical goggles or face shield and a NIOSH/MSHA approved respirator or equivalent. Wear acid resistant equipment and impervious protective clothing (level C). Boots and gloves.

Exposure Limits **Sulfuric acid**
TLV-TWA 1 mg/m³ TLV-STEL 3 mg/m³ from ACGIH

Consult local authorities for acceptable exposure limits.

Section IX. Physical and Chemical Properties

Physical State and Appearance	Viscous liquid	Odor	Odorless at room temperature
Molecular Weight	98.08	Taste	Acid
pH (1% soln/water)	<2	Color	Colorless
Boiling Point	290°C (100%)		
Melting Point	10.4°C (100 %), -1.1°C (98 %), -29.1°C (93 %). Freezing temperature changes with the concentration.		
Critical Temperature	Decomposes at 340°C (644°F)		
Specific Gravity	1.834 (Eau = 1) at 96%		
Vapor Pressure	0.001 mm of Hg (@ 20°C)		
Vapor Density	3.4 (Air = 1)		
Volatility	Not available		
% of Moisture	Not available		
Odor Threshold	Not established by a recognized association		
Water/Oil Dist. Coeff.	Not available		
Ionicity (in Water)	Not available		
Dispersion Properties	See solubility in water		
Solubility	Easily soluble in cold water		

Section X. Stability and Reactivity Data

Stability	Stable
Instability Temperature	Unstable at boiling point : 290°C (554°F)
Conditions of Instability	No additional remarks
Incompatibility with various substances	See special remarks on reactivity below.
Corrosivity	Corrosive in presence of steel, aluminum, zinc and copper. See special remarks on corrosivity below.
Special Remarks on Reactivity	<p>Sulfuric acid reacts violently with certain materials : reducing agents, combustible materials, organic materials, metals and alkalis.</p> <p>Most reactions caused by sulfuric acid contact with these materials are: generation of heat or gas that may cause fire or explosions.</p> <p>Sulfuric acid may ignite certain combustible materials.</p> <p>Sulfuric acid reacts with metal to produce a flammable and potentially explosive gas : hydrogen.</p> <p>Hydrogen reacts with sulfides and generates highly toxic hydrogen sulfide gas.</p> <p>NEVER add water directly to sulfuric acid because a violent exothermic reaction may occur.</p> <p>NOTE : This list of products is not exhaustive. Verify technical documents to determine if any incompatibilities with your process.</p>

Sulfuric acid

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Special Remarks on Corrosivity	Highly corrosive. Mists and vapours from a fire area are corrosive.
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Section XI. Toxicological Information

Routes of Entry	Ingestion, inhalation, eye and skin contact
Toxicity to Animals	No additional remarks See section II
Potential Chronic Health Effects	CARCINOGENIC EFFECTS : PROVEN for occupational exposures to strong inorganic acid mists containing sulfuric acid by IARC . MUTAGENIC EFFECTS : not applicable. TERATOGENIC EFFECTS : not applicable. TOXICITY TO THE REPRODUCTIVE SYSTEM : not applicable. The substance may be toxic to the lungs, liver and mucous membranes. A non-controlled repeated or prolonged exposure to this substance can damage target organs. Repeated exposure to a toxic material may produce a general health deterioration by an accumulation in one or many human organs.
Potential Acute Health Effects	Severe over-exposure can result in death. Can be fatal if inhaled or ingested. Liquid or mists may produce tissue damages particularly : mucous membranes of eyes, mouth and respiratory tract. Extremely dangerous in case of skin contact (corrosive), of eye contact (corrosive and irritant). Severe irritant for the eyes. Inflammation of the eyes is characterized by redness, watering and itching. Very dangerous in case of inhalation. Inhalation of the mists may produce severe irritation of respiratory tract, characterized by coughing, shortness of breath or choking. Dangerous in case of ingestion.
Special Remarks on Toxicity to Animals	The product is a severe irritant for lungs, respiratory tract and eyes.
Special Remarks on Chronic Effects on Humans	Sulfuric acid is corrosive. NIOSH (90-117) reports the following target organs for acute and chronic overexposure : respiratory system, eyes, skin, teeth. IARC classified " occupational exposure to strong inorganic acid mists containing sulfuric acid " as group 1 carcinogen : carcinogen to humans. The IARC monograph neither discusses nor implies that sulfuric acid, as liquid or vapor, is a carcinogen. The IARC conclusions only apply to " occupational exposure to strong inorganic mists containing sulfuric acid ". In 1996, ACGIH classified sulfuric acid as a group A2 : suspected human carcinogen. A note in the ACGIH booklet specifies that this classification is valid for strong inorganic acid mists containing sulfuric acid. Chronic overexposure to this product (strong inorganic mists containing sulfuric acid) may induce these symptoms : laryngeal cancer. The ACGIH TLV for sulfuric acid mist is 1mg/m ³ . The exposure limits may differ in other jurisdictions.
Special Remarks on Other Toxic Effects on Humans	Workers with the following pre-existing conditions warrant particular attention : Sulfuric acid : laryngeal irritation. Eating, drinking and smoking should be prohibited in area where this material is handled and processed. Workers should wash hands and face before eating, drinking and smoking.

Section XII. Ecological Information

Ecotoxicity	Harmful for certain species that live in water. There is no danger of bioamplification or bioconcentration associated with this product.
BOD5 and COD	Not available
Products of Biodegradation	Not applicable
Toxicity of the Products of Biodegradation	Not applicable

Sulfuric acid

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Special Remarks on environment The corrosive nature of this product implicates a direct impact in the immediate environment when there is a leak.
Once neutralized, the residual product does not present any ecotoxicity problems.

Section XIII. Disposal Considerations

Waste Disposal Recycle to process, if possible. Consult local or regional authorities.

Section XIV. Transport Information

TDG Classification TDG CLASS 8: Corrosive liquid.
TDG CLASS 9.2: Environmentally hazardous material.

PIN UN 1830 PG: II

Special Provisions for Transport 109 The consignor must determine legal limit.

G (Pictograms)

**Section XV. Other Regulatory Information and Pictograms**

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): This product is on the Domestic Substances List (DSL), and is acceptable for use under the provisions of CEPA.

Other Classifications	HCS (U.S.A.)	HCS CLASS: Corrosive liquid.
	DSCL (EEC)	R35- Causes severe burns S2- Keep out of reach of children S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S30- Never add water to this product

National Fire Protection Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific Hazard

Hazardous Material Information System (U.S.A.)

Health Hazard	3
Fire Hazard	0
Reactivity	2
Personal Protection	

DOT (U.S.A.) (Pictograms)



DSCL (Europe) (Pictograms)



Sulfuric acid

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ADR (Europe)
(Pictograms)Protective
Equipment
(Pictograms)**Section XVI. Other Information****References**

- SAX'S Dangerous Properties of Industrial Materials (9th Ed.), Van Nostrand Reinhold CD-ROM, 1996 Edition.
- Patty's Industrial Hygiene and Toxicology, 3rd Revised Edition.
- Toxicologie Ind. & Intox. Professionnelle, 3e édition, Lauwerys.
- Chemical Hazards of the Workplace, 5th edition, Proctor, Hughes.
- IARC, Monographs on the Evaluation of Carcinogenic Risks to Humans (collection).
- NIOSH - Pocket Guide to Chemical Hazards - June 1994.
- CSST - Répertoire toxicologique, 1997.
- ACGIH, TLVs and BEIs 1996.
- Règlement sur les produits contrôlés.
- Centre canadien d'hygiène et de sécurité au travail (CCOHS). Banques de données MSDS/FTSS. Version réseau WWW, 1997.
- Handbook of chemistry and physics, CRC press, 77 th edition, 1996-1997.
- Merck Index. Merck & CO., Inc, 12th edition, 1996.
- TOMES plus® par Micromedex inc. Environmental Health & Safety Series (CD-ROM Database) Vol. 35, 1997.
- Occupational Medicine, Third edition, Carl Zenz, 1994
- Guide Nord-Américain des Mesures d'Urgence, 1996. U.S Department of Transportation, Transport Canada and Secretaría de Comunicaciones y Transportes (Mexico).

Glossary

IARC :	International Agency for Research on Cancer.
CSST :	Commission de la Santé et de la Sécurité du Travail (Québec).
ACGIH :	American Conference of Governmental Industrial Hygienists.
NTP :	U.S. National Toxicology Program
NIOSH :	National Institute of Occupational Safety and Health.
OSHA :	Occupational Safety and Health Administration.

Other Special
Considerations

No additional remarks

Validated on 4/1/98 by Viviane DeQuoy
Industrial HygienistVerified by Dr J.-P. Robln
Vice-President, Safety, Health and HygieneInformation
ContactHeather Langfeld
Senior Supervisor, Environment and Health
Tel. : (705) 693-2761**Notice to Reader**

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Sulfuric acid

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To obtain an MSDS send your request to :

Noranda Inc.
a/s Ms Francie Smith
1, Adelaide Street East, Suite 2700
Toronto (Ontario)
Canada
M5C 2Z6

Fax: 1-416-982-3512

**IN CASE OF AN EMERGENCY:
24 HOUR EMERGENCY NUMBERS**

BENSON CHEMICALS - 519-821-0215
CANUTEC - 613-996-6666
CALL COLLECT

Process Data

Process Time: 10 hours

Evaporator Capacity 2273 liters (500 Imp. Gal.)

Process requires 2182 liters (480 Imp. Gal.) of water to be removed per hour by the addition of heat from the evaporator.

Assume no Colloidal silica is present in the Evaporation water.

1 Imp. gallon = 10 lbs.; 1 lb. = 453 grams

Therefore Evaporation rate = 605 grams/sec.

Contaminants list and calculation for Evaporator

Stack NO.	Component Name	CAS No.	Component (%)	Component Removal Rate (g/s)	Specific volume water @ 101.3 kPa vapor @ 100 C (m ³ /g)	Uncontrolled Emission To Stack m ³ /s
1	Water	7732-18-5	100	605	0.00167	1.010

Contaminants list and calculation for Burner

Stack NO.	Evaporator Burner Details Manufacture Gordon Ray Model BH-175 (QTY. 7)-175000 Btu Burners = 1225000 BTU	Uncontrolled Emission To Stack	
	Component Name	CAS No.	g/s
2	Nitrogen Oxide	10024-97-2	0.155

*Water vapour from evaporator should not include any silica or sodium silicate.

Stack tests done on a similar colloidal silica evaporator showed no silica to be present in the water vapour.

CONTAMINANT EMISSION SUMMARY TABLE

Stack Identification No.	1	2					
Volumetric flowrate of gases discharged (cubic metres per second)	1.010	0.155					
Temperature of gases discharged (Celsius)	90°C	150°C					
Stack height above roof (metres)	2	1					
Stack height above grade (metres)	7.5	7.5					
Stack diameter (metres)	0.3	.25					
Contaminant(s) in the exhaust:	Rate of Discharge (grams per second)						
Particulate	NIL	NIL					
Nitrogen Oxide	NIL	0.155					
Sulphur Dioxide	NIL						
WATER VAPOR	605						

Is an inventory of all existing sources of the contaminant(s) discharged from the proposal required? (See Section 7.5.3 of the "Guide")

YES
 NO

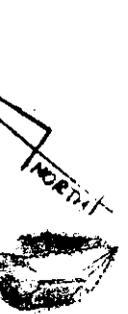
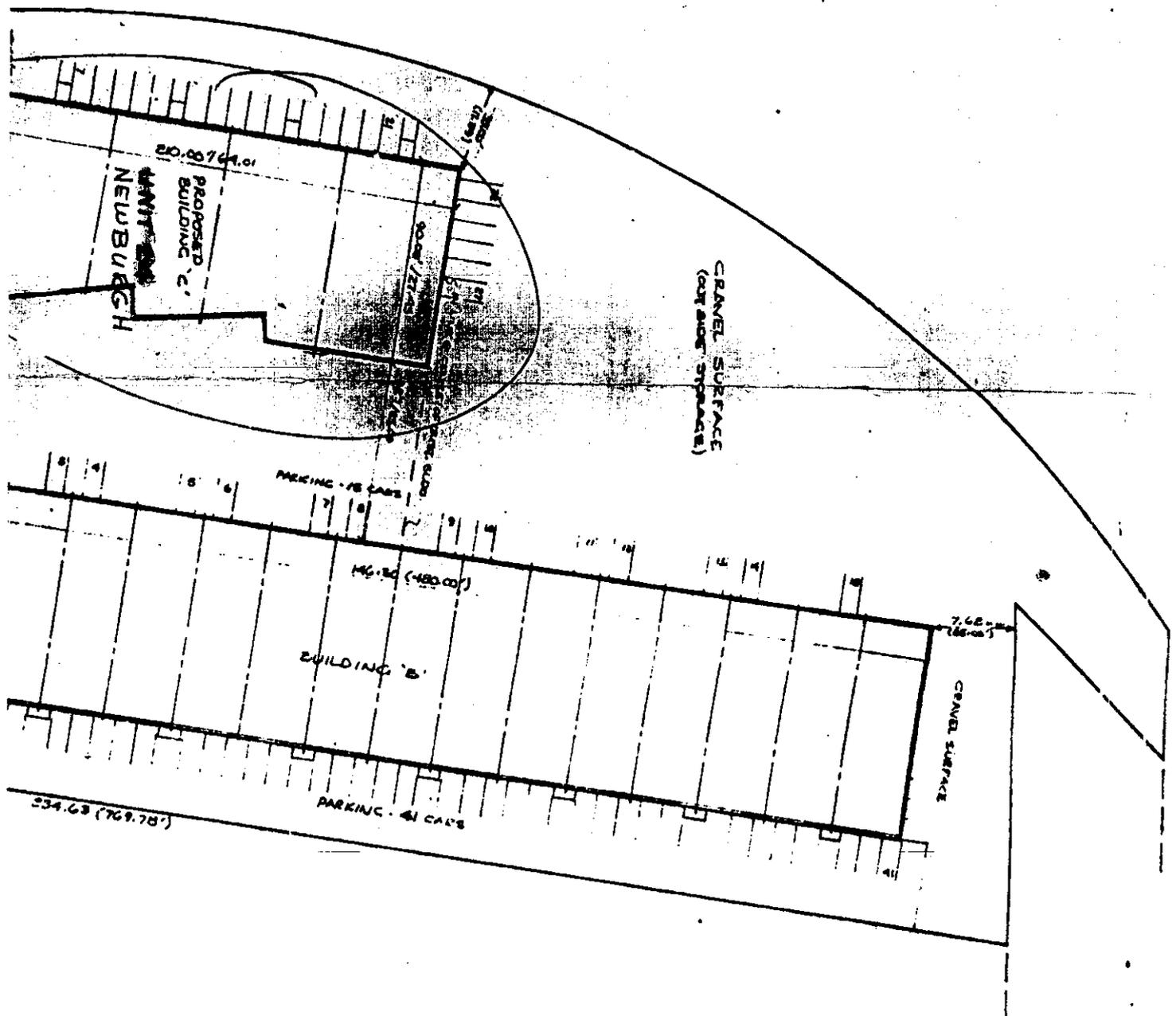
12. SUPPORTING INFORMATION (Continued)

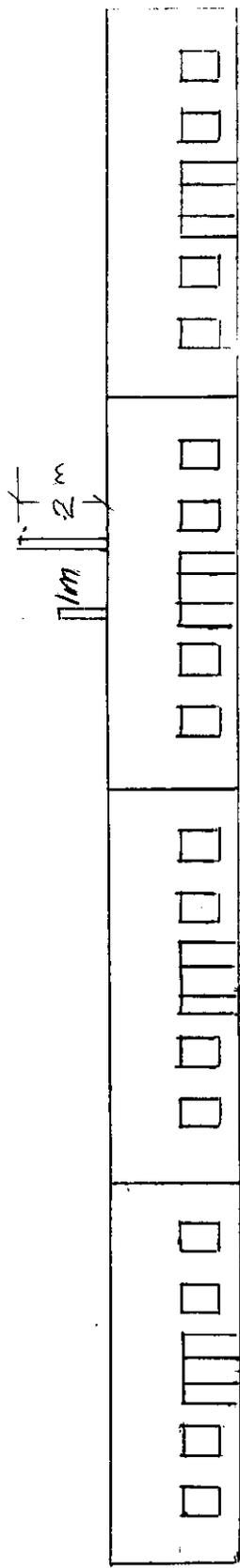
OTHER ATTACHED INFORMATION	CAN BE DISCLOSED
1) ALL EQUIPMENT IS IN A CONCRETE BLOCK BUILDING (ONE FLOOR) WITH A CONCRETE FLOOR & TAR & GRAVEL FLAT ROOF	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
2) ALL PUMPS & MIXERS ARE SHP MAX ELECTRIC. (5 PUMPS, 9 MIXERS ALL INTERMITTANT USE)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
3) GAS BURNERS 7 HAVE A SS DECIBEL/UNIT	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
4) AIR COMPRESSOR SHP 18 CFM @ 100 PSI 80 DECIBELS INTERMITTANT USE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
5) FORK LIFT TRUCK ELECTRIC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
6) SMALL SHOP WITH WELDER & LATH	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
THERE IS NO OTHER EQUIPMENT OTHER	<input type="checkbox"/> Yes <input type="checkbox"/> No
THAN THE ABOVE THAT WILL RESULT IN NOISE OR VIBRATION.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No

13. STATEMENT OF APPLICANT

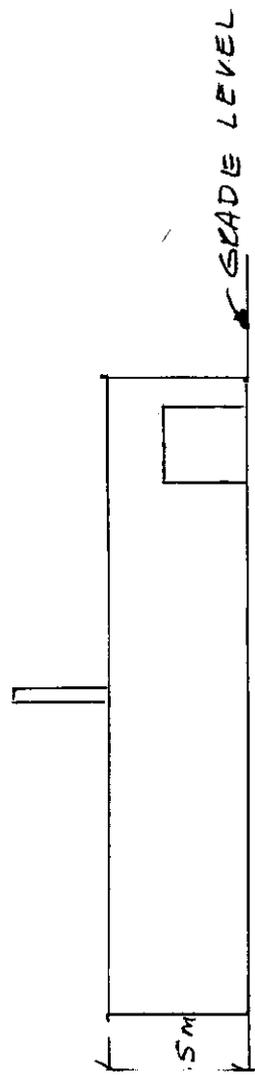
I, the undersigned, hereby declare that, to the best of my knowledge; the information contained herein and the information submitted in support of this application is complete and accurate in every way and that the Contact for Technical and Design Information identified in item 2 of this form is/are authorized to act on my behalf for the purpose of obtaining approval under Section 9 of the EPA for the proposed equipment identified herein.

Name COLIN S JOLLY	Position PRESIDENT
Signature 	Date DEC 11/99.

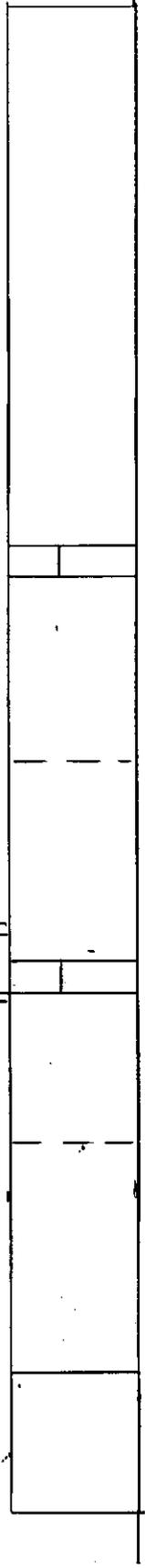




FRONT OF BUILDING



END OF UNIT 25



UNIT 25

UNIT 24

UNIT 23

UNIT 22

REAR OF BUILDING

ELEVATION OF
 BUILDING.
 2172 WYECROFT
 CHEVILE ONT
 UNITS 15-20

Ministry of the Environment
Central Region
Halton-Peel District Office
300-4145 North Service Rd
Burlington ON L7L 6A3
Fax: (905)319-9902
Tel: (905) 319-7035

Ministère de l'Environnement
Direction régionale du Centre
Bureau du district de Halton-Peel
300-4145 North Service Rd
Burlington ON L7L 6A3
Télécopieur: (905)319-9902
Tél:(905) 319-7035



February 3, 2012

Ken Dunwoody
Owner ♦
Kencro Chemicals
2192 Wyecroft Road
Oakville, Ontario
L6L 5V6

Dear Mr. Dunwoody

RE: Subject Waste Generator Inspection Report
Reference Number 7645-8R2R7A

Thank you for taking the time to allow us to conduct our inspection. Attached is a copy of our Subject Waste Generator Inspection Report detailing the findings during the inspection of January 6, 2012.

Should you have any questions regarding this letter, please feel free to contact the undersigned at 905-319-7035.

Yours truly,

Denise Plourde.

Denise Plourde
Senior Environmental Officer
Halton-Peel District Office

File Storage Number: SI HP OA WY 100



Subject Waste Generator Inspection Report

Client:	Kencro Chemicals Limited Mailing Address: 2192 Wycroft Rd, Oakville, Ontario, Canada, L6L 6R1 Physical Address: 2192 Wycroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6L 6R1 Telephone: (905)827-4133, FAX: (905)827-4145, email: kdunwoody@kencro.ca Client #: 0721-5BHRDT, Client Type: Corporation, NAICS: 32511		
Inspection Site Address:	2192 Wycroft Road Address: 2192 Wycroft Rd, Oakville, Town, Regional Municipality of Halton, L6L 5V6 District Office: Halton-Peel GeoReference: LIO GeoReference: Zone: 17, UTM Easting: 603083.75, UTM Northing: 4807811.0, Latitude: 43.4161, Longitude: -79.72868		
Contact Name:	Ken Dunwoody	Title:	Owner
Contact Telephone:	(905)827-4133 ext	Contact Fax:	(905)827-4145
Last Inspection Date:			
Inspection Start Date:	2012/01/06	Inspection Finish Date:	2012/01/06
Region:	Central		

1.0 INTRODUCTION

The purpose of this inspection is to assess the site's compliance with subject waste generation and the offsite shipment of subject waste. This inspection involved a review of the Hazardous Waste Information Network (HWIN), a review of the Ministry of the Environment's records of manifest activity and a review of onsite files. The inspection was conducted with owner Ken Dunwoody on January 6, 2012.

Kencro Chemicals Limited (the Company) is a distributor of chemicals. The Company has been located at 2172 Wycroft Road for 20 years. As additional space is required, the Company is currently moving to 2192 Wycroft Road. The Company expects that the relocation will be completed by the end of the month. The hours of operation are 7:00 am to 5:00 pm. The chemicals are sold to clients within Canada with 80% of the Company's business being within Ontario.

2.0 INSPECTION OBSERVATIONS

Generator Registration Report No(s)

ON9100447

Date of last registration

2011/12/02

2.1 REGISTERED WASTES

Has the generator, properly registered?

- Yes. The generator has properly registered.
 No. The generator is exempt from generator registration.

- No. The generator has not registered and is not exempt.
- No. The generator has incorrectly classified the subject waste.
- No. The generator is currently registered, but not for all applicable subject wastes.
- No. The generator has incorrectly registered by not completing other required information on HWIN, or by mail-in registration.
- No. The generator has not properly registered all land disposal restriction (LDR) wastes.

The Company is currently registered for: 114 C – Other inorganic acid wastes and 148 C – Inorganic laboratory chemicals.

2.2 DESCRIPTION OF PROCESS GENERATING WASTE MATERIALS

Waste	Generation Description
114 C	Off spec chemicals
148 C	Drum contamination

The Company purchases chemicals in bulk. The Company doesn't manufacture or mix chemicals. The product arrives to the facility by truck and is transferred into storage tanks. There are twelve four thousand gallon storage tanks onsite. The chemicals are repackaged into smaller packaging. Typical package sizes are 1000 L totes, 205 L drums and 25 L pails. Chemicals are also received in bagged solids.

2.3 MANIFESTING

Has the generator, properly released and manifested all subject waste shipped off site for disposal or reclamation?

- Not applicable
- Yes. The generator has properly released and manifested all subject waste shipped off site for disposal and/or reclamation.
- No. The generator has transported subject waste itself, without a proper Certificate of Approval for the waste type(s).
- No. The generator has released subject waste to a carrier without a proper Certificate of Approval for the waste type(s).
- No. The generator has not completed, or properly completed manifest(s).
- No. The generator has not properly notified the Ministry of the waste shipped.
- No. The generator has used paper manifests and has not retained the green copies for two years.

The Company did not register in HWIN or dispose of any waste in 2009 or 2010. The Company is aware that registration is required for generating and collecting waste and that registration must be maintained at all times when subject waste is stored onsite which exceeds the small quantity exemption.

The Company retains Hotz Environmental Services (Hotz) for waste disposal. Hotz disposed of two drums of 114 C waste on December 5, 2011 (manifest WS95326-5). The customer returned the product as the colour was off spec. Prior to that, Hotz disposed of 114 C waste on November 5, 2008 (manifest DF07479-5). No administrative irregularities were noted on the manifests reviewed.

2.4 LAND DISPOSAL RESTRICTION (LDR)

Has the generator complied with the land disposal restriction requirements of Reg. 347?

- Not applicable
- Yes. The generator is in compliance with the applicable land disposal restriction requirements of Reg. 347.
- Yes. The generator is a small quantity generator.
- No. The generator is diluting wastes.
- No. The generator has shipped fully treated characteristic waste without providing a simple statement to the receiver.
- No. The generator has not notified the receiver of land disposal restriction waste shipments on or before the first shipment of the waste stream.
- No. The generator is mixing, blending or bulking waste not for the purposes of treating waste to land disposal restriction standards and does not have a Certificate of Approval that allows mixing, blending or bulking.

Is treatment required to meet land disposal restriction standards?

Yes No

2.5 ON-SITE STORAGE

Has the generator been storing all subject waste in accordance with Reg. 347 and in a secure manner as required by the Environmental Protection Act?

- Not applicable
- Yes. All subject wastes are stored in accordance with Reg. 347 and in a secure manner.
- No. The generator has not provided a notice to the Regional Director for subject waste stored for greater than 3 months.
- No. Wastes are stored in such a manner that there is a potential for fire, or explosions.
- No. Wastes are stored in such a manner that there is a potential for a spill that could adversely impact the natural environment.
- No. Wastes are not secured at the site and have been released to the natural environment.
- No. Wastes have been spilled from this site and have had, or are having an adverse impact on the natural environment.
- No. The generator has stored subject waste for a period greater than 24 months without applying for or not in accordance with a Certificate of Approval.

Inspection Criteria	Yes	No
Manifests been kept on file for two years?	X	
Evidence that wastes stored on site > 3 months?		X
Are wastes stored in a manner to prevent environmental impacts or spills?		X (1)
Contingency plan in place for dealing with spills of stored wastes?	X	
Are wastes being discharged to the sanitary sewer?	X (2)	
Is there an agreement with sewer authority?	X	
Waste storage area properly identified.		X (3)
Waste storage area indoor.	X (4)	
Storage area access restricted, i.e., locked.		X (3)

Inspection Criteria	Yes	No
Outdoor storage area protected from the elements.		X (3)
All storage containers properly labelled.		X (1)
Spill protection measures in place, i.e., berms, or other spill anti-migration measures in place.	X (5)	
Is the Company in good standing with HWIN?	X	

(1) At the time of the inspection, there was no waste stored onsite. When there are drums of waste onsite, the drums are situated by the effluent tank and are marked with a red dot. Company employees are aware that the red dot is a label meaning that the contents of the drum are waste. Mr. Dunwoody or the plant manager make the necessary arrangements for the waste disposal. There have never been any issues with the red dot system.

(2) The Company discharges the wastewater to the sanitary sewer and as such, is required to comply with the Sewer Use By-Law.

- (3) The Company does not have a waste storage area.
- (4) The Company does not store waste outside.
- (5) There is 60 feet of booms, empty salvage drums and an emergency spill clean up kit onsite.

2.6 OTHER PERTINENT CERTIFICATE(S) OF APPROVAL FOR THE SITE

Does on-site disposal of subject waste(s) occur at this site?

Yes No

2.7 DISCHARGE OF WASTES TO MUNICIPAL SEWER(S)

Does the generator discharge subject waste to municipal sewers?

- No. Subject waste is not discharged to the municipal sewers.
- Yes. Subject waste is discharged to the municipal sewers, but the municipality is aware of this practise and the generator is properly registered for all hazardous waste.
- Yes. Subject waste is discharged to municipal sewers, but the municipality is not aware of this practise.
- Yes. Hazardous waste is discharged to municipal sewers, but is not registered.

3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES

None identified.

4.0 SUMMARY OF INSPECTION FINDINGS (HEALTH/ENVIRONMENTAL IMPACT)

Was there any indication of a known or anticipated human health impact during the inspection and/or review of relevant material, related to this Ministry's mandate ?

No

Specifics:

Was there any indication of a known or anticipated environmental impact during the inspection and/or review of relevant material ?

No

Specifics:

Was there any indication of a known or suspected violation of a legal requirement during the inspection and/or review of relevant material which could cause a human health impact or environmental impairment ?

No

Specifics:

Was there any indication of a potential for environmental impairment during the inspection and/or the review of relevant material ?

No

Specifics:

Was there any indication of minor administrative non-compliance?

Subject Waste Generator Inspection Report

No

Specifics:

5.0 ACTION(S) REQUIRED

None at this time.

6.0 OTHER INSPECTION FINDINGS

Be reminded that your generator registration remains valid from the day that the registration is posted on the Ministry's HWIN website until February 15 of the following year. Once a facility has registered for the first time, annual generator registration is required each year for every subject waste generated at the facility. The annual generator registration process must be completed between January 1 and February 15.

7.0 INCIDENT REPORT

Not Applicable

8.0 ATTACHMENTS

PREPARED BY:

Environmental Officer:

Name:

Denise Plourde

District Office:

Halton-Peel District Office

Date:

2012/02/03

Signature

Denise Plourde.

REVIEWED BY:

District Supervisor:

Name:

Ken Simmons

District Office:

Halton-Peel District Office

Date:

2012/02/08

Signature:

Ken Simmons

File Storage Number:

SI HP OA WY 100

Note:

"This inspection report does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they may apply to this facility. It is, and remains, the responsibility of the owner and/or the operating authority to ensure compliance with all applicable legislative and regulatory requirements"



Since 1988, Kencro Chemicals Limited has been committed to serving the chemical needs of businesses across Canada. An independent company located just west of Toronto in Oakville, Ontario, Kencro Chemicals is a leader in the distribution of chemicals to clients in the Industrial, Manufacturing, Water Treatment, Agricultural and Pool Chemical sectors.

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- Sodium Hypochlorite
- Potassium Hydroxide (Potash)
- Custom Packaging
- Sulphuric acid
- Ferric Chloride
- Nitric acid
- Phosphoric acid
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components and chemical characteristics that the corresponding product must meet. All incoming material supplied to Kencro Chemicals must meet these requirements or chemical loads will not be accepted. Through our system of quality assurance, Kencro Chemicals is able to provide our clients with lot specific certificates of analysis for all purchased materials.

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INCIDENT REPORT

Reference Number:	6036-9PPPYH	File Storage Number:	SI HP OA WY 100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	6658-9PPQG8 
Originating Document:		Created by:	Nick Fowler
Incident Report Reference Number:		Created by:	6036-9PPPYH 
Date Created:	2014/10/08	Date Completed:	
Bring Forward Date:		Bring Forward Reason:	
Status:	In progress		
Program	Air	Activity:	Pollution Incident Reports

Is this an **air emission** (measured or modelled) or **wastewater** (sewage) **discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

Yes No To be determined

[Click here for Guidance](#)

s.21

Caller or PO Information

	Name of Company:
	Unit Identifier:
	Delivery Identifier:
	Province/State: Ontario
	Postal Code:
	Other Number: Fax
	Email Address:

Reported By:

MOE Information

Date & Time Reported to MOE:	2014/10/08 09:55
Office Receiving Incident Report:	Halton-Peel District Office
Incident Info Received By:	Nick Fowler
MOE Response:	Deferred Field Response
Date & Time of MOE Arrival at Scene:	2014/10/15 10:40
Master Incident Report	Site Region: Central

Number:

SAC Action Class:

Non-Standard Procedure: No

ERP Call-out Initiated:

Client(s)

Information

Show Map

Alome Finishing

Mailing Address: 2172 Wyecroft Rd, Oakville, Ontario, Canada, L6L 2K1

Physical Address: 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada

Telephone: (416)268-3119

Client #: 5390-9PYJ95, Client Type: Corporation

Site(s)

Information

Show Map

2172 Wyecroft Road

Address: Unit 20 - 2172 Wyecroft Rd, Oakville, Town, Regional Municipality of Halton

District Office: Halton-Peel

Site #: 8045-9B3Q92

Incident Information

Incident Summary: PIR - Possible unauthorized spray booth
cannot be longer than 60 characters

Incident Description: Caller has a neighbouring unit at an industrial strip mall that is operating a spray booth. Caller suspects that there is no ECA for the spray booth and reports that it is impacting neighbouring units. There are two company names associated with the combined units of #11 and #12. ATD Contracting and The Door Company are the two business names.

DP - 1290

Friday, October 10, 2014:

10:43 am: Call the complainant. No answer, unable to leave message.

10:56 am: Receive a call from the complainant. I will visit the site one day next week then call him with an update.

Wednesday, October 15, 2014:

s.21

10:40 am: Arrive at 2172 Wyecroft Road, Unit 10 and speak with Bill. There are no paint booths at his unit. The next unit has a booth. Inquire if he detects any odours from the neighbouring unit, not typically, he doesn't have any issues with the neighbouring business.

Go to Unit 11 and speak with owner of Alome Finishing, Gabriel Orantes. He operates a paint booth a couple days a week. They have been located at the unit for a couple of months. They change the filters every 4 to 6 months. They construct kitchen cabinets. Inform Gabriel he is required to obtain an ECA. Provide a print out of information from the Ministry's website regarding approvals. I will provide him a letter.

Friday, October 17, 2014:

11:09 am: Call Gabriel and discuss timelines. The booth was installed in February or March of this year.

Wednesday, October 22, 2014:

9:31 am: Receive a call from the complainant. Provide an update.

Links & Comments:

Attachments Names: 15Oct-81.JPG; 15Oct-82.JPG

Date & Time of Incident

Incident Date Confirmation? Estimated
2014/10/08

Source Type:

Sector Type:

Nearest Watercourse:

Watershed Category
Code:

Environmental Impact:

Nature of Impact:

Incident Event:

Incident Reason:

Damaged Party:

No

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:

Owner of Material:

Estimated Clean Up Cost:

Who Cleaned Up:

% Clean Up:

%

MOE/Other Agencies
Involved:

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?

Yes

No

To be determined

Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
------	--------------	---------------------------------	------	------------

Offence(s)

Suspected Violation(s)/Offence(s):

Act - Regulation - Section,
Description
{General Offence}

Provincial Officer:

Name:

Badge No:



Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 8039-6LMPZP
Issue Date: February 13, 2006

Genieye Systems Inc.
2172 Wyecroft Road, No. 14-15
Oakville, Ontario
L6L 6R1

Site Location: Oakville Town, Regional Municipality of Halton
L6L 6R1, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) paint spray booth for the application of styrene-based fibreglass reinforced resins at a maximum rate of 9.46 litres per hour, one (1) non-atomizing spray gun and 5.3 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 2.2 actual cubic metres per second, through a stack, having an exit diameter of 0.46 metre, extending 4.42 metres above the roof and 10.72 metres above grade;

all in accordance with the Application for Approval (Air & Noise) dated July 5, 2005, and signed by Eugene McDougall, (President), Genieye Systems Inc., and all supporting information associated with the application provided by Steven Challoner, P.Eng.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval issued in accordance with the Act;
- (3) "District Manager" means the District Manager, Halton-Peel District Office, Central Region of the Ministry;
- (4) "Equipment" means the paint spray booth described in the Owner's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;
- (6) "Ministry" means the Ontario Ministry of the Environment; and

(7) "Owner" means Genieye Systems Inc., and includes its successors and assignees;

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.
2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

OPERATING AND MAINTENANCE

3. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:
 - (1) prepare, not later than three (3) months after the date of this Certificate, and update as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (d) the frequency of inspection and replacement of the filter material in the Equipment;
 - (e) procedures for recording and responding to environmental complaints; and
 - (f) appropriate measures to minimize odorous emissions from all potential sources.
 - (2) implement the recommendations of the operating and maintenance Manual.

RECORD RETENTION

4. The Owner shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Certificate. These records as well as the Manual shall be made available to staff of the Ministry upon request. The Owner shall retain:
- (1) all records on the maintenance, repair and inspection of the Equipment; and
 - (2) all records on the environmental complaints, including:
 - (a) a description, time and date of each incident;
 - (b) operating conditions (e.g. the product name(s) being sprayed, any upset conditions, etc.) at the time of the incident; and
 - (c) a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future.

NOTIFICATION OF COMPLAINTS

5. The Owner shall notify the District Manager, in writing, of each environmental complaint and the measures taken to address the cause of the complaint within five (5) business days of the complaint.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition No. 3 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.
3. Condition No. 4 is included to require the Owner to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.
4. Condition No. 5 is included to require the Owner to notify staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the

Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 13th day of February, 2006

Feb. 17, 2006
JC



Aziz Ahmed, P.Eng.
Director

Ministry of the Environment
Environmental Assessment and
Approvals Branch
Floor 12A
2 St Clair Ave W
Toronto ON M4V 1L5
Fax: (416)314-8452
Telephone: (416) 212-3692

Ministère de l'Environnement
Direction des évaluations et des
autorisations environnementales
Étage 12A
2 av St Clair O
Toronto ON M4V 1L5
Télécopieur : (416)314-8452
Téléphone : (416) 212-3692



8512-6m5HW2

February 13, 2006

Eugene McDougall, President
Genieye Systems Inc.
2172 Wyecroft Road, No. 14-15
Oakville, Ontario
L6L 6R1

MINISTRY OF
ENVIRONMENT

FEB 21 2006

HALTON PEEL
DISTRICT OFFICE

*Garrett
The approval an IR
is created in 505
for this incident
ANT*

Dear Mr. McDougall:

**Re: Application for Approval of Air
One Spray Booth
Oakville Town, Regional Municipality of Halton
MOE Reference Number 9071-6FUQS6**

Please find enclosed the Certificate of Approval for the above noted application.

The application indicates that you have already begun constructing the paint spray booth. We note that this activity has taken place in contravention of subsection 9(1) of the *Environmental Protection Act*, R.S.O. 1990 (Act). Our local district office may contact you in regards to this matter.

We also note that the issuance of the above certificate does not absolve you of liability for having started the construction of the Equipment before we issued a certificate of approval.

Based on our technical evaluation and the information submitted with your application, the paint spray booth is capable of operating within this Ministry's requirements.

However, the use of dispersion in lieu of a positive method of odour control may, under certain atmospheric conditions, result in odour problems off the property. Odour is a contaminant, emissions of which may result in an adverse effect, which is a violation of section 14 of the Act. Therefore, you should exercise all reasonable care to prevent such occurrences.

We emphasize that if, at any time, emissions from the spray booth contravene any part of the Act, Regulation 419, or any conditions included in the above noted Certificate, such contravention may become the subject of enforcement in accordance with section 186 of the Act. In addition, the Director may amend or revoke the above noted Certificate in accordance with his powers under the Act.

OA-WY-210



Ministry of the Environment

SUPPLEMENTARY REVIEW

Project Details

Proponent Name:
Genieye Systems Inc.

Site Information:
Genieye Systems
2172 Wycroft Road
Oakville Town, Regional Municipality of Halton
L6L 6R1

Stage:
District/Area Office Review Initiated

Application Type:
Air

Project Desc:
This application is for approval of one (1) open face, crossdraft spray booth, equipped with dry type exhaust filters for overspray control, for the application of styrene-based fibreglass reinforced resins to open moulds for the fabrication of therapeutic foot spas. The spray booth discharges solvent vapours to the atmosphere through two (2) wall-mounted exhaust stacks.

CofA Application Reference Number:
9071-6FUQS6

Task Link:

Reference Number:
2450-6FZKXP

Supplementary Review Details

Reviewer Name:
Halton-Peel District Office_Halton-Peel District Tasks

Review Due Date:
2005/09/23

Review Assigned Date:
2005/09/07

Review Completion Date:

Request Details:
Supplementary review created for District/Area Office comments

Input from the District on this application within two (2) weeks from the date of the acknowledgement letter is requested. If you require more time to comment, please inform us how long you will need. If there is no response within the two (2) weeks, we will assume that there is no regional/district concern.

Supplementary Review

Type of Supplementary Review:
District/Area Office Review

BF Supplementary Review Date:

Supplementary Review Status:
In Progress

Supplementary Reviewer Comments

Requestor Comments

Attachments

SRU in JD assigned Nov 30
styrene at POI
DE

Task

Reminder Section

Description:	One Spray Booth		
Details:			
Cross Reference Number:			
Task Reference No:	5067-6FZKXQ		
Module Document:	2450-6FZKXP 		
Module:	CofA	Module Type:	Air
Priority:	<input type="radio"/> High <input checked="" type="radio"/> Medium <input type="radio"/> Low	Due Date:	2005/09/23
Program:	Air	Activity:	Approvals - Air/Noise
Completion Date:			
Status:	Assigned	Region Branch:	Not Available

To Be Done By:	Done?	Office(s):
Halton-Peel District Office_Halton-Peel District Tasks	N.A.	<Not Available>

Charged Time

Total Time:	0.00 hours	Total Other Time:	0.00 hours
Name			
Date - Time - Other Time - Comments			
Too many entries to display here			

Client(s)

Information

Genieye Systems Inc.
 Mailing Address: 2172 Wyecroft Road, , Oakville, Ontario, L6L 6R1
 Physical Address: 2172 Wyecroft Road, Lot: , Part: , Oakville, Regional Municipality of Halton, , Ontario, Canada, L6L 6R1
 Telephone: (905)469-2689, FAX: (905)469-0293
 Client #: 5290-6FUQSL, Client Type: , NAICS: , Dt of Birth: , Farm Unit ID(s):

Site(s)

Information

Genieye Systems
 Address: 2172 Wyecroft Road, Concession: , Plan: , Oakville, , Regional Municipality of Halton, L6L 6R1
 District Office: Halton-Peel
 GeoReference: Zone: , Method: , UTM Northing: , UTM Location Description: , Nutrient Management Farm Unit ID:
 Waterworks Number:

**STEVEN CHALLONER P. ENG.
ENVIRONMENTAL CONSULTANT**

September 1, 2005

Ministry of the Environment
Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

MINISTRY OF
ENVIRONMENT

SEP 01 2005

HALTON-PEEL
DISTRICT OFFICE

Attention: Director, Section 9
Environmental Protection Act

Re. Application for Approval (Air)
Genieye Systems Inc.

Please find enclosed a completed Application for Approval (Air & Noise), including appropriate supporting information and the application processing fee, submitted on behalf of Genieye Systems Inc.

A duplicate copy of this submission has also been forwarded to the ministry's Halton-Peel District Office for consideration.

Please do not hesitate to contact me directly should you require any additional information in this regard.

Yours truly,



Steven Challoner, P. Eng.

Encl.

c. Halton-Peel District Office, MOE
E. McDougall, Genieye Systems Inc.

49 FALLINGBROOK ROAD
TORONTO ON M1N 2T5
TEL. (416) 686-0427
FAX (416) 686-9502

000373



Ministry of the Environment

Application for Approval (Air & Noise)

Le formulaire est disponible en français

For Office Use Only			
Reference Number	Payment Received	Date (y/m/d)	Initials
	EN	SEP 17 2005	

HALTON PEEL DISTRICT OFFICE

General Information and Instructions

General:

Information requested in this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and the *Environmental Bill of Rights*, C. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA.

Instructions:

- Applicants are responsible for ensuring that they complete the most recent application form. When completing this form, please refer to the following guidance material: the "Guide for Applying for Certificate of Approval (AIR), Section 9, EPA", the "Guide - Application Cost for Air Emissions, S. 9, EPA", the "Guide to Applying for Approval (Air) Noise and Vibration" and the "Procedure for Preparing an Emission Summary and Dispersion Modelling Report". Application forms and supporting documentation are available from the Environmental Assessment and Approvals Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment, and in the "Publications" section of the Ministry of the Environment website at www.ene.gov.on.ca.

Questions regarding completion and submission of this application should be directed to the Environmental Assessment and Approvals Branch, 2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1L5, telephone number 1-800-461-6290 or (416) 314-8001, or to your local District Office of the Ministry of the Environment.

- A complete application consists of:
 - a completed and signed application form;
 - all required supporting information identified in this form, the guidance material, and
 - a certified cheque, money order or credit card payment, in Canadian funds, made payable to the Ontario Minister of Finance for the applicable application fee.

This form must be completed with respect to all requirements identified in the guidance material in order for it to be considered an application for approval. **INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.** The Ministry may require additional information during the technical review of any application accepted as complete.

- Three applications must be submitted to the Ministry of the Environment. Two applications, the original and a copy, must be sent along with the application fee and all supporting information to:

Ministry of the Environment,
Director, Environmental Assessment and Approvals Branch,
2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1L5

A third copy of the application must be sent to the local Ministry District Office which has jurisdiction over the area where the facilities are located.
- Information contained in this application is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA) and the *EBR*. If you do not claim confidentiality at the time of submitting the information, the Ministry may make the information available to the public without further notice to you.
- If the Applicant submits with the application a copy of their Master Business Licence (MBL) obtained from the Ministry of Consumer and Business Services, the shaded sections within this form do not need to be completed (provided the information required appears on the face of the MBL). For additional information on the MBL please refer to the guidance material.

Applicant Information (Owner of works/facility)		Business Identification Number
Applicant Name (legal name of individual or organization as evidenced by legal documents) Genieye Systems Inc.		
Business Name (the name under which the entity is operating or trading if different from the Applicant Name - also referred to as trade name)		
Applicant Type:	Activity Classification Code/Standard Industrial Classification Code (if unknown please complete Business Activity Description)	NAICS 326121
<input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor	<input type="checkbox"/> Federal Government <input type="checkbox"/> Municipal Government <input type="checkbox"/> Provincial Government <input type="checkbox"/> Other (describe):	
Activity Description (a narrative description of the endeavour. This may include products sold, services provided or machinery/equipment used, etc.)		

Applicant Physical Address - Complete A, C and D or B, C and D

Civic Address - Street information (applies to an address that has civic numbering and street information includes street number, name, type and direction)		Unit Identifier (identifies type of unit, such as suite & number)	
2172 Wycroft Road		Units 14 - 15	
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)			
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.	
Municipality/Unorganized Township	County/District	Province/State	Country
Oakville	Halton	Ontario	Canada
Telephone Number (including area code & extension)		Fax Number (including area code)	E-mail Address
(905) 469-2689		(905) 469-0293	
Postal Code		L6L 6R1	

Applicant Mailing Address - Complete A and C or B and C

Civic Address - Street information (includes street number, name, type and direction)		<input checked="" type="checkbox"/> Same as Applicant Physical Address		Unit Identifier (identifies type of unit, such as suite & number)	
Delivery Designator:		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)			
<input type="checkbox"/> Rural Route		<input type="checkbox"/> Suburban Service		<input type="checkbox"/> Mobile Route	
<input type="checkbox"/> General Delivery					
Municipality	Postal Station	Province/State	Country	Postal Code	

Site Information - (location where activity/works applied for is to take place)

Site Name		MOE District Office		Legal Description (attach copy of a legal survey)	
Genieye Systems Inc.		Halton-Peel			
Site Address - Street information (applies to an address that has civic numbering and street information - includes street number, name, type and direction)		<input type="checkbox"/> Same as Applicant Physical Address		Unit Identifier (identifies type of unit, such as suite & number)	
2172 Wycroft Road				Unit 17	

Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.		Part Reference Plan	

2. Non Address Information (includes any additional information to clarify applicants' physical location)

Geographic Reference	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing

Municipality/Unorganized Township	County/District	Postal Code
Oakville	Halton	L6L 6R1

Adjacent Land Use (check all that apply)

Industrial Commercial Recreational Residential Agricultural Other (specify):

Is the Site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?

Yes (If Yes, attach copy of NEPDA permit for the proposed activity/work)

No

Is the Site located on the Oak Ridges Moraine Conservation Area as defined by the Oak Ridges Moraine Conservation Plan (ORMCP, a regulation made under the Oak Ridges Moraine Conservation Act (ORMCA)?

Yes (If yes please attach proof of Municipal planning approval for the proposed activity/work)

No

Is the Applicant the Operating Authority?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is the Applicant the owner of the land (site)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If No, attach the Operating Authority name, address and phone number.		If No, attach the owner's name, address and consent for the installation and operation of the facilities.	

Project Technical Information Contact - Complete A, B, D and E or A, C, D, and E

Name Steven Challoner, P. Eng.	Company Environmental Consultant	<input type="checkbox"/> Same as Applicant Name
--	--	---

Contact Address Mailing Address - Street Information (includes street number, name, type and direction) 49 Fallingbrook Road	<input type="checkbox"/> Same as Applicant Mailing Address	Unit Identifier (identifies type of unit, such as suite & number)
---	--	--

Delivery Designator: <input type="checkbox"/> Rural Route <input type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery	Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)
--	---

Municipality Toronto	Postal Station	Province/State Ontario	Country Canada	Postal Code M1N 2T5
--------------------------------	-----------------------	----------------------------------	--------------------------	-------------------------------

Telephone Number (including area code & extension) (416) 686-0427	Fax Number (including area code) (416) 686-9502	E-mail Address chaloner@ca.inter.net
---	---	--

Project Information

Type of Application:

New Certificate of Approval

Amendment to current Certificate of Approval (If checked, please provide a copy of your current Certificate of Approval)

Current Certificate of Approval Number	Date of Issue (y/m/d)
---	------------------------------

Category:

Proponent EAAB Provincial Officer Order (attach copy) Other (Please specify)

List all other environmental approvals/permits applied for related to this project or received in relation to this project under the Environmental Protection Act, the Ontario Water Resources Act, the Safe Drinking Water Act, and the Environmental Assessment Act. (If necessary, please attach a separate list).

Not applicable

Project Description Summary (If EBR is applicable, this summary will be included in the EBR posting notice)

Approval is sought for:

one (1) open face, crossdraft spray booth, equipped with dry type exhaust filters for overspray control, for the application of styrene-based, fibreglass reinforced resins to open moulds for the fabrication of therapeutic foot spas. The spray booth discharges solvent vapours to the atmosphere through two (2) wall-mounted exhaust stacks.

Project Name (Project Identifier to be used as a reference in correspondence)

Project Schedule Estimated date for start of construction/installation Existing	Estimated date for start of operation Existing
--	--

Hours of Operation	Project	Start Time	Intermittent	Stop Time	Facility/Site	Start Time	Stop Time
						07:00	19:00

Other Approvals for Facility - If necessary, please attach a separate list

List all other environmental approvals issued to this facility under the Section 9 of the Environmental Protection Act. If necessary, please attach a separate list.

Not applicable

Public Consultation/Notification

Specify all public consultation/notification (such as public hearings, notification of First Nations, etc.) related to the project that has been completed or is in the process of being completed. Please attach a list describing each of these consultation activities, the results achieved, and planned future consultation activities.

Not applicable

Environmental Bill of Rights (EBR) and Environmental Assessment Act (EAA) Requirements

Is this a proposal for a Prescribed Instrument under EBR? Yes No

If "Yes," is this proposal exempted from posting on the Environmental Registry? Yes No

If "Yes," please check one of the following

- This proposal has been considered in a substantially equivalent process or by a decision of a tribunal. Please provide supporting information.
- This proposal is subject to the requirements of the Environmental Assessment Act (EBR s.32). Please provide supporting information.
- This proposal is exempt from the requirements of the Environmental Assessment Act (EBR s.32). Please provide supporting information.
- This proposal is for an amendment to an existing Certificate of Approval that is not environmentally significant. Please provide supporting information.
- This proposal is for an emergency situation. Please provide supporting information.

3. List of Attachments- This is a list of all supporting information to this application and is subject to the Freedom of Information and Privacy Protection Act and the Environmental Bill of Rights.

Supporting Information	Attached	Reference	Confidential
General Information			
Legal Name of Applicant	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> Yes
Application Fee	<input checked="" type="checkbox"/> Yes	GSI-01-0905 GSI-02-0905	<input checked="" type="checkbox"/> Yes
List of all environmental approvals issued to this facility under section 9 of the Environmental Protection Act	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> NA		<input type="checkbox"/> Yes
Name, Address and consent of the land/site owner for the installation/construction and operation of the works/facility	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	GSI-03-0905	<input checked="" type="checkbox"/> Yes
Name, Address and Phone Number of the Operating Authority	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Financial Assurance	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Part and Reference Plan	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Copy of NEDPA Permit	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Copy of Municipal Planning Approval (ORMCA)	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Copy of current Certificate of Approval	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
List of all environmental approvals/permits applied for relating to this project or received in relation to this project.	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
List describing public consultation activities related to this project	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Supporting information relating to exemption from the public participation requirements of the Environmental Bill of Rights.	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Supporting information relating to exemption from or fulfilment of requirements under the Environmental Assessment Act.	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Technical Information			
Zoning Designation Plan of 500 metre or 1000 metre radius	<input checked="" type="checkbox"/> Yes	GSI-04-0905	<input checked="" type="checkbox"/> Yes
Scaled Area Location Plan of 500 metre or 1000 metre radius	<input checked="" type="checkbox"/> Yes	GSI-05-0905	<input checked="" type="checkbox"/> Yes
Technical Information for Noise and Vibration Assessment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	GSI-06-0905	<input checked="" type="checkbox"/> Yes
Completed Emission Summary and Dispersion Modelling Report including signed ESDM Report Checklist:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	GSI-07-0905	<input checked="" type="checkbox"/> Yes
<i>If no, please complete the following...</i>			
Facility Description	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Site Plot, Roof and Elevation Plans, Drawings	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Maximum Half Hour Emission Rate Calculations	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Supporting Information for Emission Estimates	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Dispersion Modelling Output	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes
Summary of Emissions	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes

Request ID: 005008466
Demande n°:
Transaction ID: 020452138
Transaction n°:
Category ID: CT
Catégorie:

Province of Ontario
Province de l'Ontario
Ministry of Consumer and Commercial Relations
Ministère de la Consommation et du Commerce
Companies Branch
Direction des compagnies

Date Report Produced:
Document produit le:
Time Report Produced: 15:45:34
Imprimé à:

Certificate of Incorporation Certificat de constitution

This is to certify that

Ceci certifie que

GENIEYE SYSTEMS INC.

Ontario Corporation No.

Numéro matricule de la personne morale en
Ontario

002024074

is a corporation incorporated,
under the laws of the Province of Ontario.

est une société constituée aux termes
des lois de la province de l'Ontario.

These articles of incorporation
are effective on

Les présents statuts constitutifs
entrent en vigueur le

MARCH 17 MARS, 2003



Director/Directrice
Business Corporations Act/Loi sur les sociétés par actions

Page 380
is not relevant
est non pertinente



F.G.P.O. Box 81083
Ancaster, ON L9G 4X1

Tel. 905-304-9570

Fax 905-304-8721

email: jbezemer@sympatico.ca

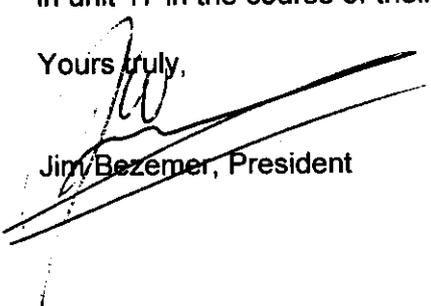
June 27, 2005

To Whom It May Concern:

Re: 2172 Wycroft Road, Oakville

Please accept this letter as notification of my consent and authorization, as landlord and owner of 2172 Wycroft Road, Oakville, Ontario, for Genieye Systems Inc., also operating as Clean Spa Technologies, tenants of units 14, 15, and 17, to operate an automotive paint spray booth in unit 17 in the course of their business operations.

Yours truly,

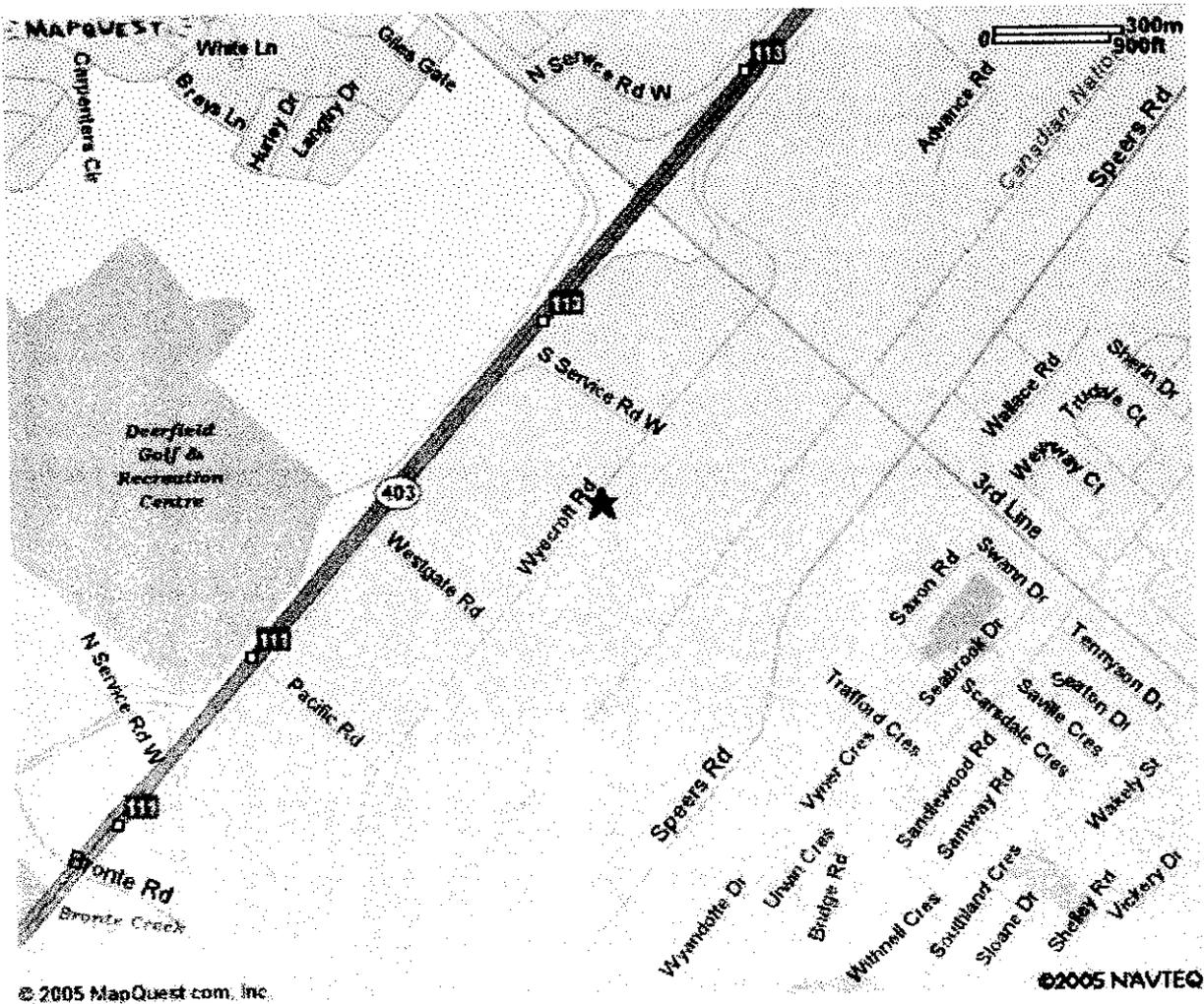


Jim Bezemer, President



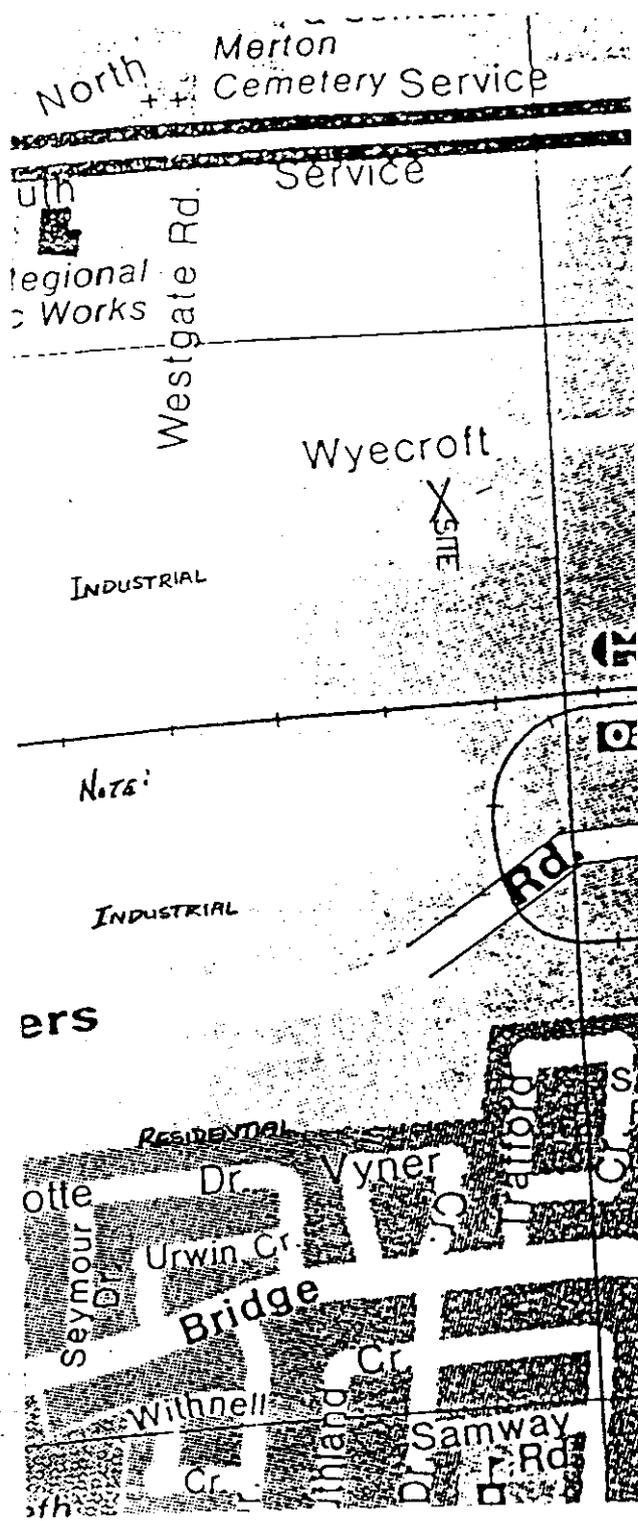
2172 Wyecroft Rd
Oakville ON
L6L 6R1 CA

Notes:



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GSI-05-0905

Ontario

Lake

SCALE 1cm = 250m

000384

QEW West Industrial District

TOWN OF OAKVILLE

CITY OF BRANTFORD

Burloak Industrial District

Bronte Harbour

SITE X
Oakville West

Mainway

Downer St.

Lucas Dr.

Boyney St.

Gateway

Syscon Rd.

Harvester Rd.

North Service Rd. W.

South Service Rd. W.

Burloak

Arabella Cr.

Eliza Cr.

Charnock Cr.

Rhoades Cr.

Sheldon Park

Dehurst

Aranda Cr.

Children's Farm

Woods Farm

Toboggan Hill

Spring Lane Farm

North Service Rd. W.

South Service Rd. W.

McPherson Rd.

Children's Farm

Woods Farm

Toboggan Hill

Spring Lane Farm

North Service Rd. W.

South Service Rd. W.

McPherson Rd.

Children's Farm

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South Service Rd. W.

McPherson Rd.

Children's Farm

Woods Farm

Toboggan Hill

Spring Lane Farm

North Service Rd. W.

South Service Rd. W.

McPherson Rd.

Technical Information for Noise Assessment

Spray Booth Specifications

Type: Binks/DeVilbiss open face crossdraft

Interior Dimensions: width - 2.95 metres
depth - 3.20 metres
height - 2.13 metres

Exhaust Filter Area: 5.30 metres² (57.0 feet²)

Filter Face Velocity: 0.80 metre/second (157.9 feet/minute)

Exhaust Fan: volumetric flow rate - 9,000 feet³/minute
static pressure - 0.25 inch WC
diameter - 24.0 inch
type - tubeaxial

Exhaust Stack: stackhead type - vertical, gravity dampers
(each of 2) exit diameter - 0.46 metre
exit velocity - 12.9 metres/second

From MOE Noise Assessment Program for Spray Paint Booths, Ver. 5.0, a minimum separation distance of 7.7 metres is required to meet daytime noise criteria for a single stack of equivalent diameter.

The site is located in an area zoned for industrial/commercial purposes situated between a major road transportation route (The Queen Elisabeth Way) to the north and a main to a Canadian National Railway corridor to the south. There are no noise sensitive receptors, e.g., area of residential land use, situated within 500 metres of the facility.

Based on this screening analysis, no adverse noise impact is expected to result from the operation of the subject equipment at this location.

B Output:

File Description

Fan Type

Flow Rate *CFM*

Fan Static Pressure *inches water gauge*

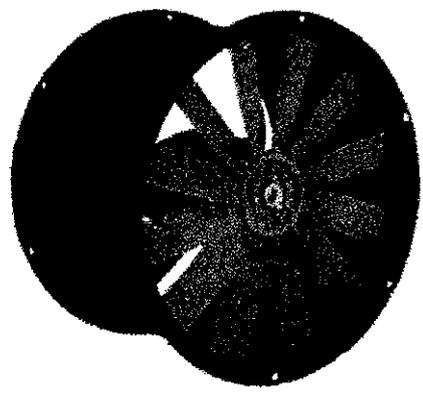
Stack Height Above Grade *m*

Stack Diam. *mm*
(equivalent)

Location

Minimum Set Back Distances

<i>Day Time</i>	<i>Evening</i>	<i>NightTime</i>
<i>7:00 am - 7:00 pm</i>	<i>7:00 pm - 11:00 pm</i>	<i>11:00 pm - 7:00 am</i>
7.7 m	10.8 m	13.6 m



3:33:00 AM 9/1/2005

EMISSION SUMMARY AND DISPERSION MODELLING REPORT CHECK-LIST

Company Name: Genieye Systems Inc.

Company Address: 2172 Wyecroft Road, Units 14 - 15
Oakville ON L6L 6R1

Location of Facility: 2172 Wyecroft Road, Unit 17
Oakville ON L6L 6R1

Company Contact: Eugene McDougall
Phone Number: (905) 469-2689

The attached Emission Summary and Dispersion Modelling Report was prepared in accordance with the guidance in the Procedure for preparing an Emission Summary and Source Modelling Report and the minimum required information identified in the check-list on the reverse of this sheet has been submitted

Name: Steven Challoner, P. Eng.

Representing: Environmental Consultant
Phone Number: (416) 686-0427

Signature: 

Date: 2005/09/01

EMISSION SUMMARY AND DISPERSION MODELLING REPORT CHECK-LIST

Minimum Required Information	Submitted		
	Yes	No	
1. Facility Description	✓		
General description of the facility;	✓		
Process flow diagram	✓		
Site plan, drawn to scale	✓		
Elevation view or the heights above grade of all the buildings are clearly identified in the plan view;	✓		
Locations of nearby receptors (if any of the emission stacks are configured as a Point Source)		✓	
2. Completed Source Summary Table	✓		
Source data, including an identifier and a listing of general information for each emission source;	✓		
Estimate of the maximum emission rate, for every contaminant emitted,	✓		
Assessment of data quality;	✓		
Reference to the emission estimating technique	✓		
Percentage of overall emission	✓		
3. Completed Emission Summary Table	✓		
Contaminant name;	✓		
CAS number;	✓		
Aggregate half-hour emission rate for each contaminant	✓		
Aggregate annual emission rate for each contaminant (optional)		✓	
Aggregate maximum point of impingement concentration, in micrograms per cubic metre (ug/m ³);	✓		
Half-hour Point of Impingement Limit, in micrograms per cubic metre (ug/m ³);	✓		
Percentage of Criteria	✓		
4. Dispersion modelling output	✓		
5. Description of the maximum emission scenario on which emissions are reported	✓		

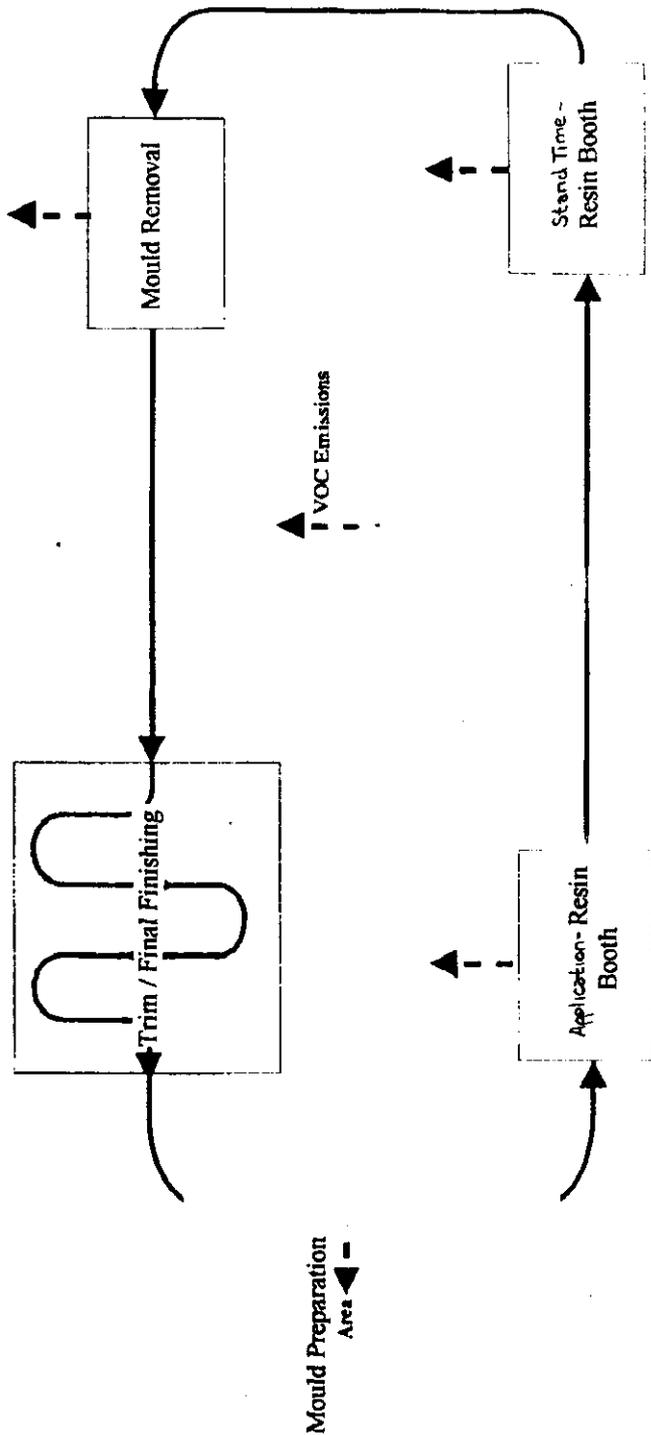
Note: Shaded portion is for Ministry of the Environment use only.

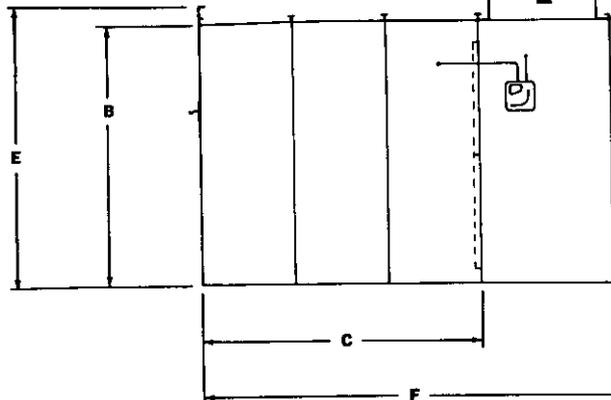
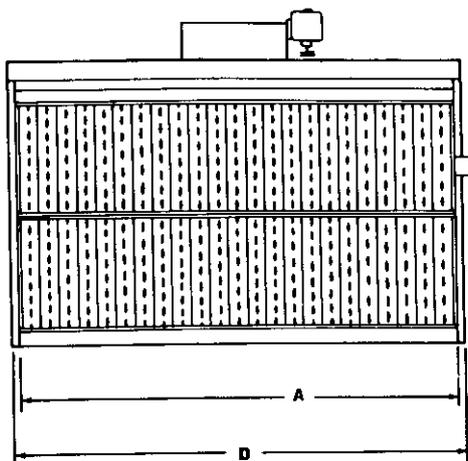
Facility Description

Genieye Systems Inc. manufactures fibreglass reinforced plastic foot spas for the medical therapy sector. Both the pressurized water jet pumps and the spa shells are constructed and assembled on-site. In addition, the company also produces a line of water purification devices.

The company occupies several units of a multi-tenant commercial / industrial building. Units 14 and 15 house the main production area, as well as showroom and administrative space. One (1) open-face crossdraft spray booth is located in Unit No. 17 and is used when applying fibreglass impregnated resins to open moulds in the production of spa shells. Roving and resin storage space is also provided in this Unit.

The attached process flow diagram outlines each of the manufacturing operations for spa production.





7'-0" HIGH 100 FPM MIN. FACE VELOCITY (FLOOR TYPE)

Model Number*	Work Dimensions			Overall Dimensions			Air Flow at 1/4" Water Col. SCFM	Fan and Motor†			Qty. Windows & Lights	Shpg. Wt. Lbs.
	A	B	C	D	E	F		Model No.	Dia.	H.P.		
FA-5-7-T											0	575
PFA-5-7-T	5'-0"	6'-10"	5'-0"	5'-4"	7'-0"	7'-10"	4600	30-630	24"	1/2	0	750
PFA-5-7-T-LO											1	850
FA-7-1/2-7-T											0	950
PFA-7-1/2-7-T	7'-6"	6'-10"	5'-0"	7'-10"	7'-0"	7'-10"	6850	30-650	24"	1	0	1150
PFA-7-1/2-7-T-LO											1	1250
FA-10-7-T											0	1150
PFA-10-7-T	10'-0"	6'-10"	7'-6"	10'-4"	7'-0"	10'-2"	9000	30-670	24"	2	0	1425
PFA-10-7-T-LO											2	1625
FA-12-1/2-7-T											0	1300
PFA-12-1/2-7-T	12'-6"	6'-10"	7'-6"	12'-10"	7'-0"	11'-2"	10900	30-690	34"	1-1/2	0	1600
PFA-12-1/2-7-T-LO											3	1900
FA-15-7-T											0	1850
PFA-15-7-T	15'-0"	6'-10"	7'-6"	16'-0"	7'-4"	11'-2"	14000	30-712	34"	3	0	2200
PFA-15-7-T-LO											4	2600
FA-17-1/2-7-T											0	1950
PFA-17-1/2-7-T	17'-6"	6'-10"	7'-6"	18'-6"	7'-4"	11'-2"	15500	30-710	34"	3	0	2300
PFA-17-1/2-7-T-LO											4	2700
FA-20-7-T											0	2600
PFA-20-7-T	20'-0"	6'-10"	7'-6"	21'-0"	7'-8"	11'-8"	17800	30-740	34"	5	0	3000
PFA-20-7-T-LO											6	3600

8'-0" HIGH 100 FPM MIN. FACE VELOCITY (FLOOR TYPE)

Model Number*	Work Dimensions			Water Col. C	Overall Dimensions			Air Flow at 1/4" Water Col. SCFM	Fan and Motor†			Qty. Windows & Lights	Shpg. Wt. Lbs.
	A	B			D	E	F		Model No.	Dia.	H.P.		
FA-5-8-T											0	660	
PFA-5-8-T	5'-0"	7'-10"	5'-0"	5'-4"	8'-0"	7'-10"	5900	30-640	24"	3/4	0	830	
PFA-5-8-T-LO											1	930	
FA-7-1/2-8-T											0	1100	
PFA-7-1/2-8-T	7'-6"	7'-10"	5'-0"	7'-10"	8'-0"	7'-10"	9000	30-670	24"	2	0	1375	
PFA-7-1/2-8-T-LO											1	1475	
FA-10-8-T											0	1300	
PFA-10-8-T	10'-0"	7'-10"	7'-6"	10'-4"	8'-0"	11'-2"	10900	30-690	34"	1-1/2	0	1575	
PFA-10-8-T-LO											2	1775	
FA-12-1/2-8-T											0	1700	
PFA-12-1/2-8-T	12'-6"	7'-10"	7'-6"	12'-10"	8'-0"	11'-2"	12800	30-700	34"	2	0	2000	
PFA-12-1/2-8-T-LO											3	2300	
FA-15-8-T											0	2000	
PFA-15-8-T	15'-0"	7'-10"	7'-6"	16'-0"	8'-4"	11'-2"	15600	30-710	34"	3	0	2150	
PFA-15-8-T-LO											4	2750	
FA-17-1/2-8-T											0	2200	
PFA-17-1/2-8-T	17'-6"	7'-10"	7'-6"	18'-6"	8'-4"	11'-2"	17800	30-740	34"	5	0	2550	
PFA-17-1/2-8-T-LO											4	2950	
FA-20-8-T											0	2750	
PFA-20-8-T	20'-0"	7'-10"	7'-6"	21'-0"	8'-8"	11'-8"	19300	30-760	42"	3	0	3150	
PFA-20-8-T-LO											6	3750	

* Model number suffix LO indicates booth furnished with open type fluorescent fixtures, Model 29-97R, which conform to CSA requirements for open type lights. Separate page for exhaust fan specifications. Fluorescent tubes not furnished. Purchase locally. Explosion proof or totally enclosed motor, available at extra cost.

Top or back exhaust standard. Specify on order. Consult Binks representative if more than 25 ft. of exhaust duct are required.

Safety monitoring and control devices, as well as complete automatic systems, available at extra cost. Consult local codes and your Binks representative for the equipment most appropriate to your operation.

Draft gauge optional extra.

SOURCE SUMMARY TABLE

Source Identifier	Flow Rate (m ³ /s)	Exit Dia. (m)	Ht. Above Roof (m)	Ht. Above Grade (m)	Contaminant	Emission Rate (g/s)	Data Quality	Estimate Type	Percent of Emission
Paint Booth (each of 2)	2.12	0.46	4.42	10.72	styrene	0.06485	CON	EF	50.0

Supporting Information for Emission Estimates

Styrene

The U.S. Environmental Protection Agency is currently reviewing the July 23, 2001 Composites Fabricators Association "Unified Emission Factors for Open Molding of Composites" as the basis for revised AP-42 Compilation of Air Pollutant Emission Factors for Polyester Resin Plastic Products Fabrication

Styrene emission factors for uncontrolled, non-vapour suppressed spray lay-up are based on the styrene content of the resin and the resin application rate prior to the addition of any fillers. The subject spray booth is equipped with a non-atomizing spray gun, allowing for the use of mechanical, non-atomized spray factors in estimating emissions from this source.

Once spray application is complete, the component is allowed to stand within the booth until tack dry, after which it is removed for further processing. Supporting information for the Unified Emission Factors indicates that the styrene release rate from open molds is negligible following the formation of a skin on the exposed resin surface. Consequently, it is assumed that 100 percent of the styrene release is emitted from the spray booth exhaust stacks.

$$\begin{aligned}\text{resin application rate} &= 2.5 \text{ USgal./hr} \times 3.78 \text{ L/USgal.} \times 1.08 \text{ kg/L} \times 2.2 \text{ lb/kg} \\ &= 22.453 \text{ lb/hr} \times \text{ton}/2000 \text{ lb} \\ &= 0.0112 \text{ ton/hr}\end{aligned}$$

$$\begin{aligned}\text{maximum resin} &= 37.3 \% \\ \text{styrene content}\end{aligned}$$

$$\begin{aligned}\text{styrene emission factor UEF} &= 83.9 \text{ lb styrene/ton resin (by interpolation)} \\ &(\text{mechanical, non-atomized})\end{aligned}$$

$$\begin{aligned}Q_{\text{Styrene}} &= 0.0112 \text{ ton/hr} \times 83.9 \text{ lb/ton} \times \text{hr}/3600 \text{ s} \\ &= 0.1297 \text{ g/s}\end{aligned}$$

Data Quality

Styrene emission rate estimates are based on emission factors (EF) set out in the Composites Fabricators Association "Unified Emission Factors for Open Molding of Composites," currently under consideration by the U.S. Environmental Protection Agency for inclusion in the AP-42 Compilation of Air Pollutant Emission Factors.

Unified Emission Factors for Open Molding of Composites

July 23, 2001

Emission Rate in Pounds of Styrene Emitted per Ton of Resin or Gelcoat Processed

Styrene content in resin/gelcoat, % ⁽¹⁾	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	>50 ⁽²⁾
Manual	83	89	94	100	106	112	117	123	129	134	140	146	152	157	163	169	174	180	$(0.206 \times \%styrene) - 0.0529$ x 2000
Manual w/ Vapor Suppressed Resin ⁽³⁾	Manual emission factor [listed above] x (1 - (0.50 x specific VSR reduction factor for each resin/suppressant formulation))																		
Mechanical Atomized	111	126	140	154	168	183	197	211	225	240	254	268	283	297	311	325	340	354	$((0.714 \times \%styrene) - 0.18)$ x 2000
Mechanical Atomized with VSR ⁽³⁾	Mechanical Atomized emission factor [listed above] x (1 - (0.45 x specific VSR reduction factor for each resin/suppressant formulation))																		
Mechanical Atomized Controlled Spray ⁽⁴⁾	86	97	108	119	130	141	152	163	174	185	196	207	218	229	240	251	262	273	$0.77 \times ((0.714 \times \%styrene) - 0.18)$ x 2000
Mechanical Controlled Spray with VSR	Mechanical Atomized Controlled Spray emission factor [listed above] x (1 - (0.45 x specific VSR reduction factor for each resin/suppressant formulation))																		
Mechanical Non-Atomized	71	74	77	80	83	86	89	93	96	99	102	105	108	111	115	118	121	124	$((0.157 \times \%styrene) - 0.0165)$ x 2000
Mechanical Non-Atomized with VSR ⁽³⁾	Mechanical Non-Atomized emission factor [listed above] x (1 - (0.45 x specific VSR reduction factor for each resin/suppressant formulation))																		
Filament application	122	127	133	138	144	149	155	160	166	171	177	182	188	193	199	204	210	215	$((0.2746 \times \%styrene) - 0.0298)$ x 2000
Filament application with VSR ⁽³⁾	79	83	86	90	93	97	100	104	108	111	115	118	122	125	129	133	136	140	$0.65 \times ((0.2746 \times \%styrene) - 0.0298)$ x 2000
Gelcoat Application	294	315	336	356	377	398	418	439	460	481	501	522	543	564	584	605	626	646	$(1.03646 \times \%styrene) - 0.195$ x 2000
Gelcoat Controlled Spray Application ⁽⁴⁾	215	230	245	260	275	290	305	321	336	351	366	381	396	411	427	442	457	472	$0.73 \times ((1.03646 \times \%styrene) - 0.195)$ x 2000
Gelcoat Non-Atomized Application ⁽⁸⁾	196	205	214	223	232	241	250	259	268	278	287	296	305	314	323	332	341	350	$((0.4506 \times \%styrene) - 0.0505)$ x 2000
Covered-Cure after Roll-Out	Non-VSR process emission factor [listed above] x (0.80 for Manual <or> 0.85 for Mechanical)																		
Covered-Cure without Roll-Out	Non-VSR process emission factor [listed above] x (0.50 for Manual <or> 0.55 for Mechanical)																		

Emission Rate in Pounds of Methyl Methacrylate Emitted per Ton of Gelcoat Processed

MMA content in gelcoat, % ⁽⁶⁾	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	220
Gel coat application ⁽⁷⁾	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	$0.75 \times \%MMA$ x 2000

Notes

- Including styrene monomer content as supplied, plus any extra styrene monomer added by the molder, but before addition of other additives such as powders, fillers, glass, etc.
- Formulas for materials with styrene content < 33% (constant emission factor expressed as percent of available styrene), and for styrene content > 50% on the emission rate based on the extrapolated factor equations; these are not based on test data but are believed to be conservative estimates. The value for "% styrene" in the formulas should be input as a fraction. For example, use the input value 0.30 for a resin with 30% styrene content by wt.
- The VSR reduction factor is determined by testing each resin/suppressant formulation according to the procedures detailed in the *CFA Vapor Suppressant Effectiveness Test*.
- See the *CFA Controlled Spray Handbook* for a detailed description of the controlled spray procedures.
- The effect of vapor suppressants on emissions from filament winding operations is based on the *Dow Filament Winding Emissions Study*.
- Including MMA monomer content as supplied, plus any extra MMA monomer added by the molder, but before addition of other additives such as powders, fillers, glass, etc.
- Based on gelcoat data from *MMA Emission Study*.
- SEE the July 17, 2001 EECs report *Emission Factors for Non-Atomized Application of Gel Coats used in the Open Molding of Composites* for a detailed description of the non-atomized gelcoat testing.
- Use the equation $((0.4506 \times \%styrene) - 0.0505) \times 2000$ for gelcoats with styrene contents between 19% and 32% by wt.; use the equation $0.185 \times \%styrene \times 2000$ for gelcoats with less than 19% styrene content by wt.



Material Safety Data Sheet

LOW VOC HFL BLUE AD 12 BARCOL

MSDS No.

Not available.

1. Product and Company Identification		Validation Date	29 November 2004
Product Trade Name	LOW VOC HFL BLUE AD 12 BARCOL	Product Code	5774A10000
Synonyms	HFL BLUE AD 14 BARCOL 58(4408-01) LOW VOC HFL BLUE AD 12 BARCOL	Internal Code	Not available.
Chemical Family	Not available.	Description	LOW VOC HFL BLUE AD 12 BARCOL HFL BLUE AD 14 BARCOL 58(4408
Packaging	Not available.		
Product Type	Not available.		
Product Use	Not available.		
Manufacturer/ Supplier	VALSPAR - CORNWALL COMPOSITES 1915 SECOND STREET WEST CORNWALL ON KSH ST1 Daytime Phone: 613-632-8980 Emergency Phone: 800-424-9300		

2. Composition and Information on Hazardous Ingredients					
Ingredient Name	CAS #	% by Weight	Exposure Limits	Vapor Pressure	LEL-UEL
1) STYRENE MONOMER	100-42-5	30-40	ACGIH (United States, 1994). Sidn TWA: 20 ppm ACGIH (United States, 1994). Sidn STEL: 40 ppm OSHA (United States, 1989). TWA: 50 ppm OSHA (United States, 1989). STEL: 100 ppm OSHA (United States, 1989). CEIL: 200 ppm NIOSH (United States, 1994). TWA: 50 ppm NIOSH (United States, 1994). STEL: 100 ppm	0.8 kPa (4.5 mmHg) (@ 20°C)	0.0 %

3. Hazards Identification	
Primary Hazards and Critical Effects	<p>WARNING! BIRTH DEFECT HAZARD CONTAINS MATERIAL WHICH CAN CAUSE BIRTH DEFECT. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: NERVOUS SYSTEM, RESPIRATORY TRACT, SKIN, EYES. FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY BE HARMFUL IF INHALED. MAY CAUSE EYE AND SKIN IRRITATION. POSSIBLE CANCER HAZARD CONTAINS MATERIAL WHICH MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Avoid exposure during pregnancy. Wash thoroughly after handling.</p>

LOW VOLT HFL BLUE AD 12 BARCOOL

Page: 3/6

7. Handling and Storage

Handling	<ul style="list-style-type: none"> Risk of cancer depends on duration and level of exposure. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Avoid exposure during pregnancy. Wash thoroughly after handling. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
Storage	<ul style="list-style-type: none"> Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Packaging Materials	<ul style="list-style-type: none"> Use original container.

8. Exposure Controls and Personal Protection

Occupational Exposure Limits

1) STYRENE MONOMER

ACGIH (United States, 1994). Skin
TWA: 20 ppm
ACGIH (United States, 1994). Skin
STEL: 40 ppm
OSHA (United States, 1989).
TWA: 50 ppm
OSHA (United States, 1989).
STEL: 100 ppm
OSHA (United States, 1989).
CEIL: 200 ppm
NIOSH (United States, 1994).
TWA: 50 ppm
NIOSH (United States, 1994).
STEL: 100 ppm

Engineering Controls	<ul style="list-style-type: none"> Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit values.
Monitoring Methods and References	<ul style="list-style-type: none"> Not available.
Personal Protective Equipment	
Respiratory System	<ul style="list-style-type: none"> Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator. If necessary Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Skin and Body	<ul style="list-style-type: none"> Wear appropriate protective clothing to prevent skin contact.
Hands	<ul style="list-style-type: none"> Use chemical resistant, impervious gloves. If necessary
Eyes	<ul style="list-style-type: none"> Safety goggles are considered minimum protection.

9. Physical and Chemical Properties

Physical State and Appearance	<ul style="list-style-type: none"> Liquid.
Color	<ul style="list-style-type: none"> Not available.
Odor	<ul style="list-style-type: none"> Not available.
pH	<ul style="list-style-type: none"> Not available.
Molecular Weight	<ul style="list-style-type: none"> Not applicable.
Molecular Formula	<ul style="list-style-type: none"> Not applicable.
Melting Point	<ul style="list-style-type: none"> May start to solidify at -30.5°C (-23.1°F) based on data for: STYRENE MONOMER. Weighted average: -34.02°C (-29.2°F)
Boiling Point	<ul style="list-style-type: none"> The lowest known value is 145°C (293°F) (STYRENE MONOMER). Weighted average: 147.01°C (296.6°F)
Evaporation Rate	<ul style="list-style-type: none"> The highest known value is 0.6 (VINYL TOLUENE) Weighted average: 0.52 compared to Butyl Acetate
Volatility	<ul style="list-style-type: none"> Not available.
Vapor Density	<ul style="list-style-type: none"> The highest known value is 4 (Air = 1) (STYRENE MONOMER). Weighted average: 4 (Air = 1)
Vapor Pressure	<ul style="list-style-type: none"> The highest known value is 5 mmHg (@ 20°C) (STYRENE MONOMER). Weighted average: 4.7 mmHg (@ 20°C)
Density	<ul style="list-style-type: none"> Weighted average: 0.91 g/cm³
Specific Gravity	<ul style="list-style-type: none"> Weighted average: 1.05 (Water = 1)

LOW VOC HPL BLUE AD 12 BARCOL

- Solubility** : Easily soluble in methanol, acetone. Partially soluble in cold water.
- Partition Coefficient (LogKow)** : Not available.
- Viscosity** : Not available.
- Auto-Ignition Temperature** : The lowest known value is 400°C (754°F) (STYRENE MONOMER).
- Flash Point** : The lowest known value is TCC/PM CLOSED CUP: 31°C (88°F). (Tagliabue.). (STYRENE MONOMER)
- Explosibility** : Not available.
- Explosion Limits** : The greatest known range is LOWER: 0.9% UPPER: 6.8% (STYRENE MONOMER)

10. Stability and Reactivity

- Stability** : The product is stable.
- Conditions and Materials to Avoid** : Reactive with oxidizing agents, acids.
- Hazardous Decomposition Products** : The products of degradation are less toxic than the product itself.
- Hazardous Polymerization** : Yes.

11. Toxicological Information

Toxicity Data

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Dose</u>	<u>Species</u>
1) STYRENE MONOMER	LDS0	2650 mg/kg	Oral	Rat
	LDS0	315 mg/kg	Oral	Mouse
	LC50	12000 mg/m ³ (4 hours)	Inhalation	Rat

- Routes of Entry** : Dermal contact. Eye contact.
- Acute Effects**
 - Inhalation** : Harmful by inhalation. Possible risks of irreversible effects.
 - Ingestion** : Practically non-toxic if swallowed.
 - Skin Contact** : Moderately irritating to the skin. Practically non-toxic in contact with skin.
 - Eye Contact** : Moderately irritating to the eyes.
- Chronic Effects**
 - Adverse Effects** : Not available.
 - Target Organs** : Contains material which causes damage to the following organs: the nervous system, upper respiratory tract, skin, eyes.
 - Cardiogenic Effects** : Classified 2B (Possible for human.) by IARC (STYRENE MONOMER). Classified A4 (Not classifiable for human or animal.) by ACGIH (STYRENE MONOMER).
 - Mutagenic Effects** : Not available.
 - Developmental and Teratogenic Effects** : Not available.
 - Reproductive Effects** : Classified Reproductive system/toxin/female, Reproductive system/toxin/male (PROVEN) (STYRENE MONOMER).
- Other Information** : Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

12. Ecological Information

Ecotoxicity Data

Ingredient Name : Our database contains no special consideration on the product

- Environmental Hazards** : No known significant effects or critical hazards.
- Environmental Fate** : Not available.

LOW VOC HFL BLUE AD 12 BARCOOL

13. Disposal Consideration

Waste Classification : Not available.
Waste Handling and Disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information

United States

Shipping Description : Not available.
Packaging Instruction : Not available.
Special Provisions : Not available.
Remarks : Not available.

Canada

Shipping Description : Not available.
Regulated Limit : Not available.
Consumer Commodity : Not available.
Limited Quantity : Not available.
Special Provisions : Not available.
Remarks : Not available.

15. Regulatory Information

EU Regulations

Hazard Symbol(s) : T
Risk Phrases : R20- Harmful by inhalation.
R36/38- Irritating to eyes and skin.
R40- Possible risks of irreversible effects.
R60- May impair fertility.

Safety Phrases

S2- Keep out of the reach of children.
S36- Wear suitable protective clothing.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S63- Avoid exposure - obtain special instructions before use.
S64- If swallowed, rinse mouth with water (only if the person is conscious).

US Regulations

Federal and State Regulations

TSCA 12(b) one time report: ISOBUTYL ALCOHOL
This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material:
STYRENE MONOMER 37.309%
CERCLA: Hazardous substances: STYRENE MONOMER: 1000 lbs. (453.6 kg);

HMS (U.S.A.)

Table with 2 columns: Hazard, and 2 rows: Reactivity, Personal Protection

National Fire Protection Association (U.S.A.)



Consult your supervisor for special handling instructions.

Canadian Regulations

WHMIS

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
Class D-1B: Material causing immediate and serious toxic effects (TOXIC).
Class D-2A: Material causing other toxic effects (VERY TOXIC).
Class D-2B: Material causing other toxic effects (TOXIC).

Canadian NPRI

Provincial

Canadian NPRI: STYRENE MONOMER 37.309%
No products were found.

Selection of the appropriate emission factor for the subject lay-up operation is based on the maximum styrene content of the resin being applied, as well as the maximum resin application rate and the method of application.

As the Unified Emission Factors have yet to be formally adopted by the U.S. EPA, a data quality rating is not available. However, given the conservative assumptions made for application rate and styrene content when calculating the emission rate, these estimates are considered to have a data quality rating of "CON" and to be representative of the worst-case emission scenario for the subject facility.

Dispersion Models

The proponent occupies three units within this multi-tenant commercial/industrial building. The spray booth is located in Unit No. 17, with neighbouring tenant units on either side. There are no property lines situated within 5.0 metres of the building.

The spray booth discharges to the atmosphere through two (2) exhaust stacks leading from a common header box mounted on the rear wall of the building. Roof-mounted air handling units are located toward the front of the tenant units. As a result, there are no roof-top air intakes in proximity to the spray booth stacks.

The nearest points of air intake serving neighbouring tenant premises are identified as the rear overhead garage door of adjacent Unit No. 18 and the rear personnel door of adjacent Unit No. 16. Since the spray booth stacks are of the same dimensions and are fed from a common header, each stack will have the same discharge characteristics and a styrene emission rate equal to one-half of the total emission rate. Consequently, the total release may be considered as originating from a single exhaust stack located equidistant between the two proposed stacks.

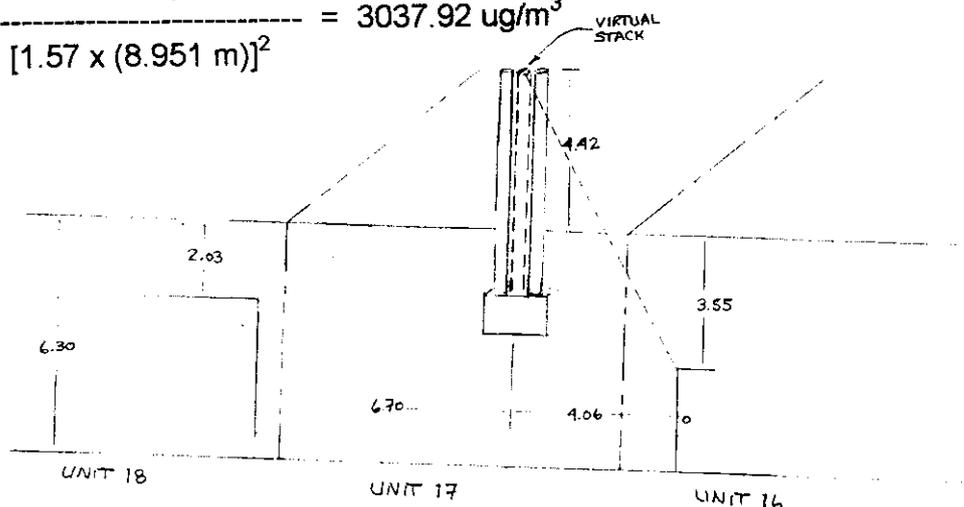
$$\begin{aligned} \text{dispersion path length } L &= [(6.706 \text{ m})^2 + (4.420 \text{ m} + 2.032 \text{ m})^2]^{1/2} \\ \text{to Unit 18 O/H door} &= [(6.706 \text{ m})^2 + (6.452 \text{ m})^2]^{1/2} \\ &= 9.306 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{dispersion path length } L &= [(4.064 \text{ m})^2 + (4.420 \text{ m} + 3.556 \text{ m})^2]^{1/2} \\ \text{to Unit 16 man door} &= [(4.064 \text{ m})^2 + (7.976 \text{ m})^2]^{1/2} \\ &= 8.951 \text{ m} \end{aligned}$$

Due to its shorter dispersion path length, the rear personnel door of adjacent tenant Unit No. 16 is adopted as the critical Scorer & Barrett point of impingement.

For a generic emission rate $Q = 1.0 \text{ g/s}$,

$$K = \frac{0.6 \times 10^6 \times (1.0 \text{ g/s})}{[1.57 \times (8.951 \text{ m})]^2} = 3037.92 \text{ ug/m}^3$$



As the spray booth exhaust stacks extend to a height above the building roof that is less than the maximum height of the roof above grade level, the Virtual Source is identified as the applicable dispersion model to determine the maximum ground level contaminant concentrations in proximity to this multi-tenant building.

virtual source: length = 145.7 metres
width = 37.0 metres
height = 6.30 metres

For a generic emission rate $Q = 1.0 \text{ g/s}$,

maximum ground level concentration = 480.73 ug/m^3

As the generic Scorer & Barrett dispersion factor is greater than the generic Virtual Source dispersion factor, Scorer & Barrett is adopted as the critical dispersion scenario for the subject installation.

Maximum contaminant concentrations at the Scorer & Barrett point of impingement are set out on the attached Emission Summary Table. These concentrations have been calculated in accordance with the following example:

styrene

emission rate $Q_{\text{styrene}} = 0.1297 \text{ g/s}$

$$\begin{aligned} K_{\text{styrene}} &= 3037.92 \text{ ug/m}^3 \times (0.1297 \text{ g/s} / 1.0 \text{ g/s}) \\ &= 394.02 \text{ ug/m}^3 \end{aligned}$$

**MAXIMUM GROUND LEVEL CONCENTRATION
VERSION 2.00**

Date: 2005/07/22
 Reviewer: SC
 Title: Genieye Systems Inc.

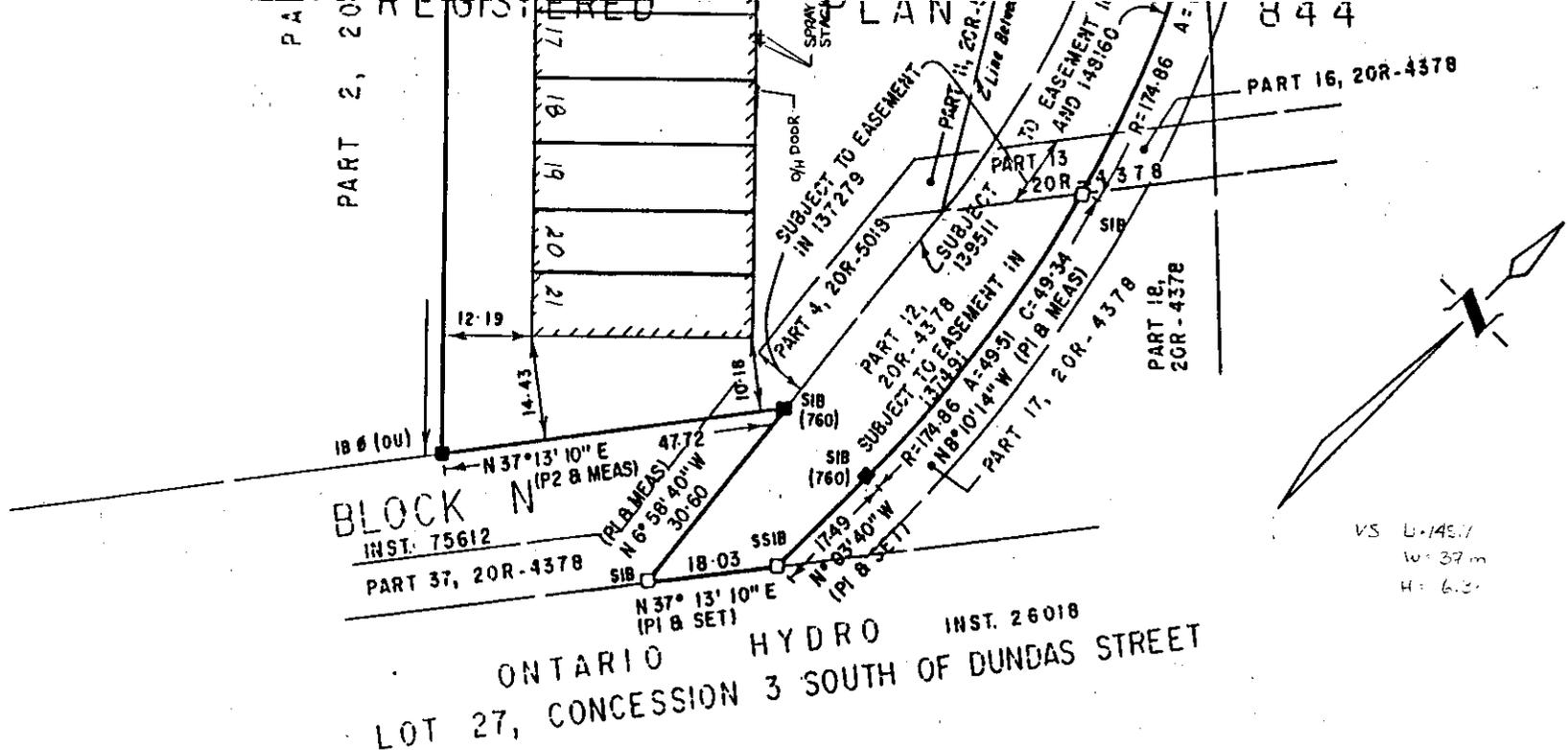
generic virtual source model

Virtual Sources

Number	Height m	Emission Rate gm/s	Width m	Length m	Angle deg	X m	Y m
1	6.3	1.00	37.0	145.7	.0	0.	0.

Single Source Maximum Ground Level Concentrations

Source	Stability	Maximum Conc (ug/m3)	Distance (m)	Wind Speed (m/sec)
1	C	241.48	73.	5.000
	D	480.73	73.	5.000



VS L-145.7
W= 37 m
H= 6.2

UNITED BUILDERS

SURVEYOR'S CERTIFICATE

CERTIFY THAT THE FIELD SURVEY REPRESENTED ON THIS PLAN WAS COMPLETED
ON THE 14th DAY OF FEBRUARY, 1990

DATE: FEBRUARY 19, 1990

Robert T. Force
ROBERT T. FORCE, O.L.S.

NOTE

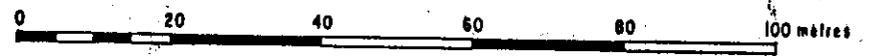
BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE SOUTHEASTERLY LIMIT OF WYECROFT ROAD
HAVING A BEARING OF N 37° 14' 00" E IN ACCORDANCE WITH PLAN 20R-5018

LEGEND

- | | |
|---|--|
| IB DENOTES STANDARD IRON BAR (.025x.025x1.22) | PI DENOTES PLAN 20R-4378 |
| IR DENOTES ROUND IRON BAR (.018 DIA. x.61) | P2 DENOTES PLAN 20R-5018 |
| I DENOTES IRON BAR (.015x.015x.61) | 760 DENOTES McCONNELL, MAUGHAN LIMITED, O.L.S. |
| ⊥ DENOTES CUT CROSS | OU DENOTES ORIGIN UNKNOWN |
| ⊙ DENOTES FOUND | |
| ⊙ DENOTES PLANTED | |
| ⊙ DENOTES WITNESS | |

PLAN OF SURVEY OF
PART OF BLOCKS H, I AND J
REGISTERED PLAN No 844
FORMERLY TOWNSHIP OF TRAFALGAR, COUNTY OF HALTON
NOW IN THE TOWN OF OAKVILLE
REGIONAL MUNICIPALITY OF HALTON

SCALE = 1:1000



© McCONNELL, MAUGHAN LIMITED, O.L.S., 1990

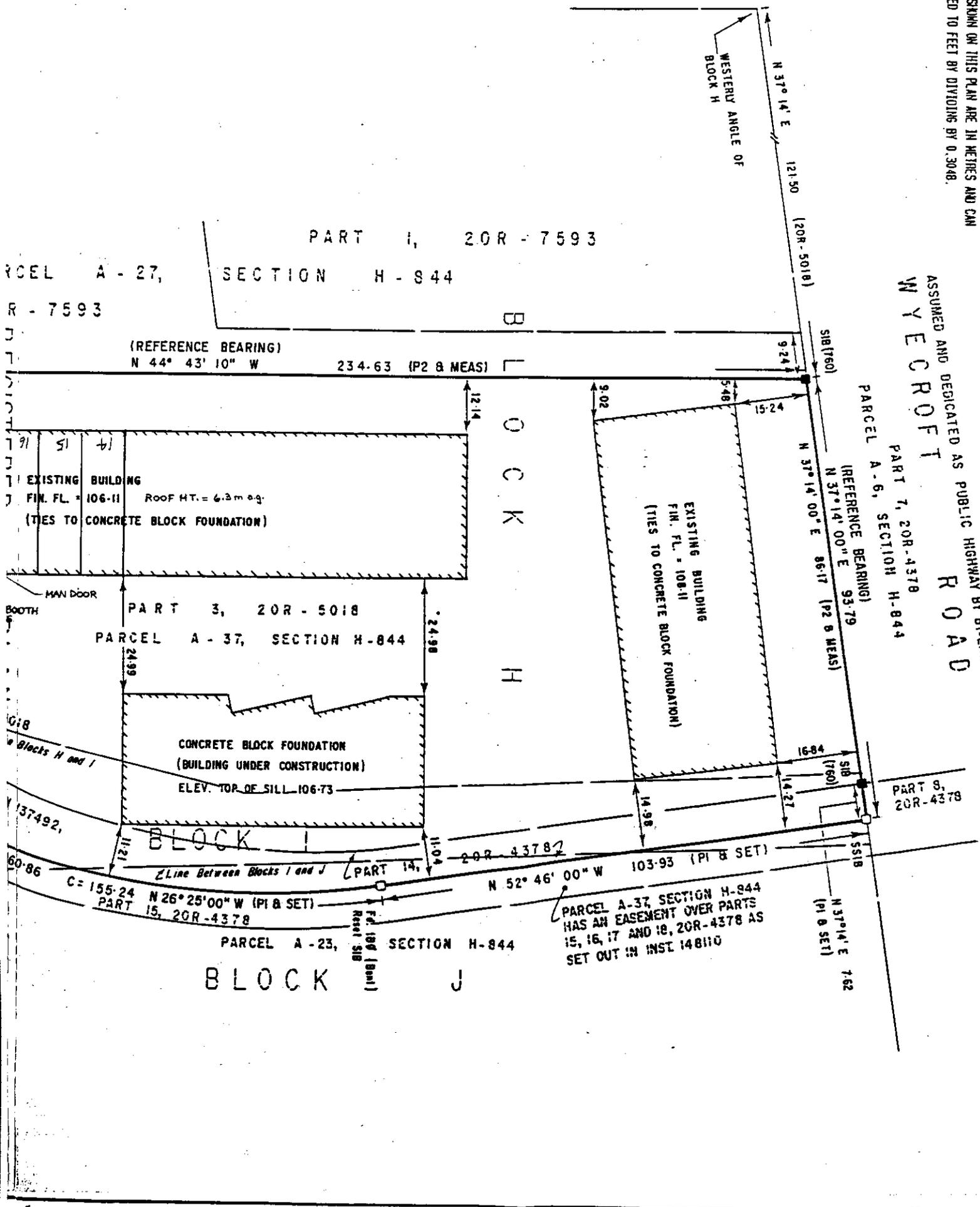
mcconnell. maughan limited CONSULTING ENGINEERS AND SURVEYORS
OAKVILLE - TORONTO
407 SPEEDS ROAD, SUITE 209, OAKVILLE, L6K-3I5
TEL: (416) 845-3497

DRAWN BY A. R.	CHECKED BY R. T. F.	SCALE 1:1000	PLAN No. 11-90-15
-------------------	------------------------	-----------------	----------------------

000403

DISCREPANCIES SHOWN ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

ASSUMED AND DEDICATED AS PUBLIC HIGHWAY BY LAW 1979-107
WYECROFT ROAD



PART I, 20R - 7593

PARCEL A - 27, SECTION H - 844

R - 7593

(REFERENCE BEARING)
 N 44° 43' 10" W 234.63 (P2 & MEAS)

B
L
O
C
K
H

EXISTING BUILDING
 FIN. FL. = 106-11 ROOF HT. = 4.3m eq.
 (TIES TO CONCRETE BLOCK FOUNDATION)

EXISTING BUILDING
 FIN. FL. = 108-11
 (TIES TO CONCRETE BLOCK FOUNDATION)

MAN DOOR
 BOOTH
 PART 3, 20R - 5018
 PARCEL A - 37, SECTION H-844

CONCRETE BLOCK FOUNDATION
 (BUILDING UNDER CONSTRUCTION)
 ELEV. TOP OF SILL - 106.73

BLOCK I

Z Line Between Blocks I and J
 PART 14, 20R - 4378

PARCEL A - 23, SECTION H-844

BLOCK J

PARCEL A-37, SECTION H-844
 HAS AN EASEMENT OVER PARTS
 15, 16, 17 AND 18, 20R-4378 AS
 SET OUT IN INST 148110

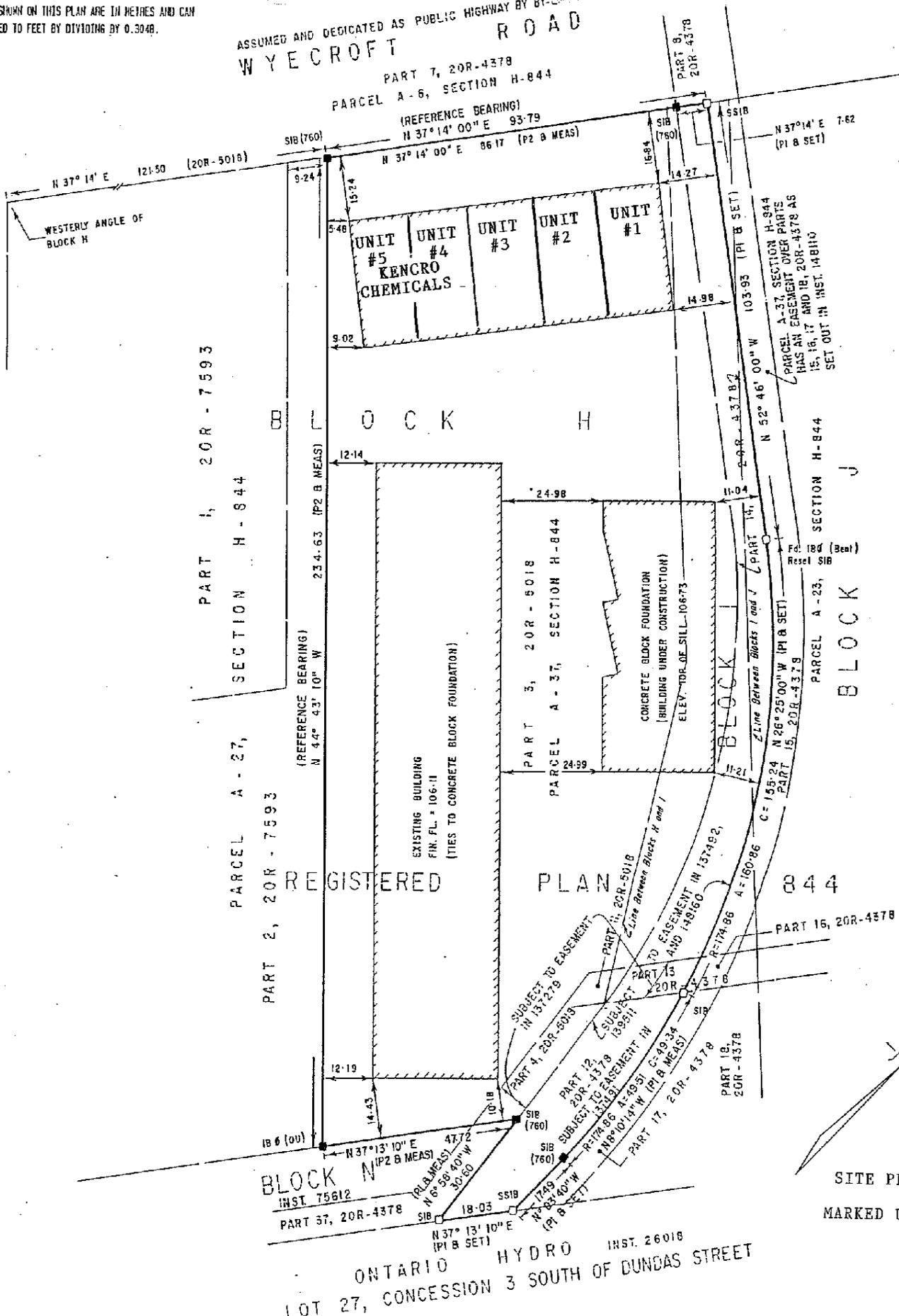
PARCEL A-6, SECTION H-844
 PART 7, 20R-4378
 (REFERENCE BEARING)
 N 37° 14' 00" E 93.79

PART 8, 20R-4378

METRIC

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

ASSUMED AND DEDICATED AS PUBLIC HIGHWAY BY BY-LAW 1979-107
WYECROFT ROAD



SITE PLAN
 MARKED UP

ONTARIO HYDRO INST. 26018
 LOT 27, CONCESSION 3 SOUTH OF DUNDAS STREET

UNITED BUILDERS

SURVEYOR'S CERTIFICATE

I CERTIFY THAT THE FIELD SURVEY REPRESENTED ON THIS PLAN WAS COMPLETED ON THE 14th DAY OF FEBRUARY, 1990

DATE: FEBRUARY 19, 1990

Robert T. Force
 ROBERT T. FORCE, O.L.S.

NOTE

BEARINGS ARE ASTROMOMIC AND ARE REFERRED TO THE SOUTHEASTERLY LIMIT OF WYECROFT ROAD HAVING A BEARING OF N37°14'00" E IN ACCORDANCE WITH PLAN 20R-5018

LEGEND

- SIB DENOTES STANDARD IRON BAR (.025x.025x1.22)
- IB# DENOTES ROUND IRON BAR (.010 DIA. x.61)
- IB DENOTES IRON BAR (.015x.015x.61)
- CC DENOTES CUT CROSS
- DENOTES FOUND
- DENOTES PLANTED
- WIT DENOTES WITNESS
- P1 DENOTES PLAN 20R-4378
- P2 DENOTES PLAN 20R-5018
- 760 DENOTES MCCONNELL, MAUGHAN LIMITED, O.L.S.
- OU DENOTES ORIGIN UNKNOWN

PLAN OF SURVEY OF
 PART OF BLOCKS H, I AND J
 REGISTERED PLAN N° 844
 FORMERLY TOWNSHIP OF TRAFALGAR, COUNTY OF HALTON
 NOW IN THE TOWN OF OAKVILLE
 REGIONAL MUNICIPALITY OF HALTON

SCALE = 1:1000
 0 20 40 60 80 100 metres

© MCCONNELL, MAUGHAN LIMITED, O.L.S., 1990

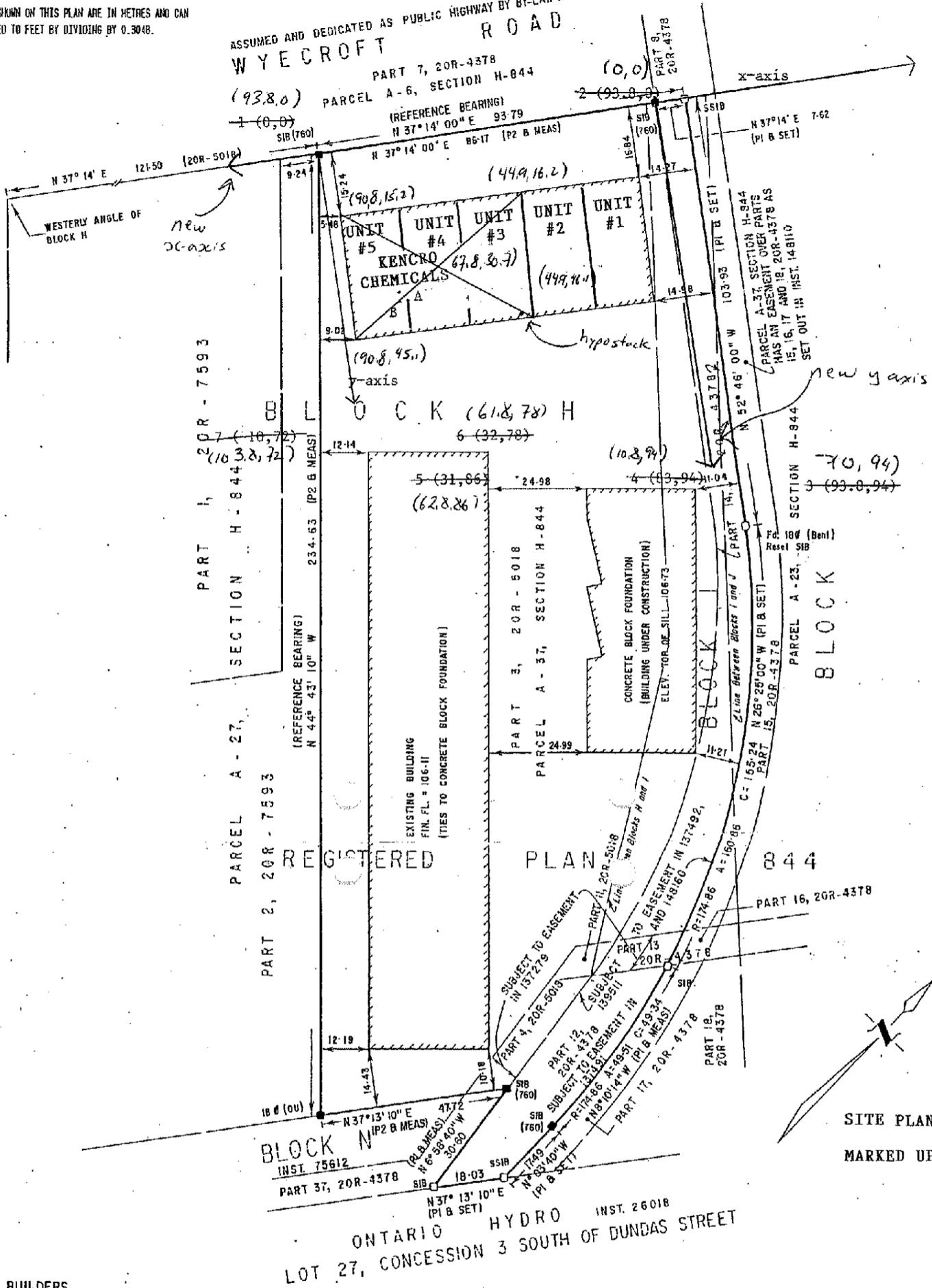
mcconnell, maughan limited CONSULTING ENGINEERS AND SURVEYORS
 407 SPEEDS ROAD, SUITE 209, OAKVILLE, L6K-3J5
 TEL. (416) 845-3497

DRAWN BY A. R.	CHECKED BY R. T. E.	SCALE 1:1000	PLAN No. 11-90-15 000405
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METRIC

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

ASSUMED AND DEDICATED AS PUBLIC HIGHWAY BY BY-LAW 1979-107
WYECROFT ROAD



UNITED BUILDERS

SURVEYOR'S CERTIFICATE

I CERTIFY THAT THE FIELD SURVEY REPRESENTED ON THIS PLAN WAS COMPLETED ON THE 14th DAY OF FEBRUARY, 1990

DATE: FEBRUARY 19, 1990

Robert T. Force
 ROBERT T. FORCE, O.L.S.

NOTE

BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE SOUTHEASTERLY LIMIT OF WYECROFT ROAD HAVING A BEARING OF N37°14'00"E IN ACCORDANCE WITH PLAN 20R-5018

LEGEND

- SIB DENOTES STANDARD IRON BAR (.025x.025x1.22)
- 1B DENOTES ROUND IRON BAR (.018 DIA. x.61)
- 1B DENOTES IRON BAR (.015x.015x.61)
- CC DENOTES CUT CROSS
- DENOTES FOUND
- DENOTES PLANTED
- WIT DENOTES WITNESS
- PI DENOTES PLAN 20R-4378
- P2 DENOTES PLAN 20R-5018
- 760 DENOTES MCCONNELL, MAUGHAN LIMITED, O.L.S.
- OJ DENOTES ORIGIN UNKNOWN

PLAN OF SURVEY OF
 PART OF BLOCKS H, I AND J
 REGISTERED PLAN No 844
 FORMERLY TOWNSHIP OF TRAFALGAR, COUNTY OF HALTON
 NOW IN THE TOWN OF OAKVILLE
 REGIONAL MUNICIPALITY OF HALTON

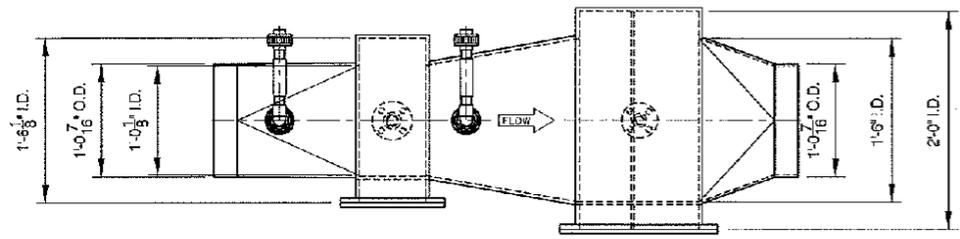
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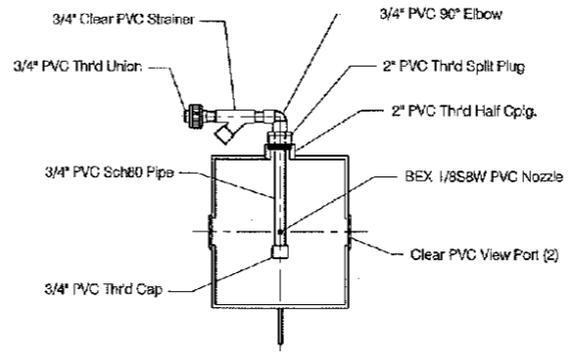
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mcconnell, maughan limited CONSULTING ENGINEERS AND SURVEYORS
 407 SPEERS ROAD, SUITE 209, OAKVILLE, L6K-3T5
 OAKVILLE - TORONTO
 TEL. (416) 845-3497

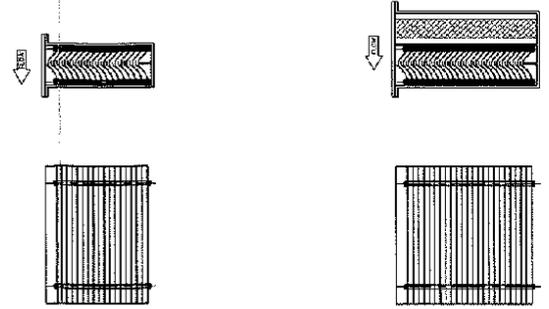
DRAWN BY A. R.	CHECKED BY R. T. F.	SCALE 1:1000	PLAN No. 11-90-15
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PLAN VIEW

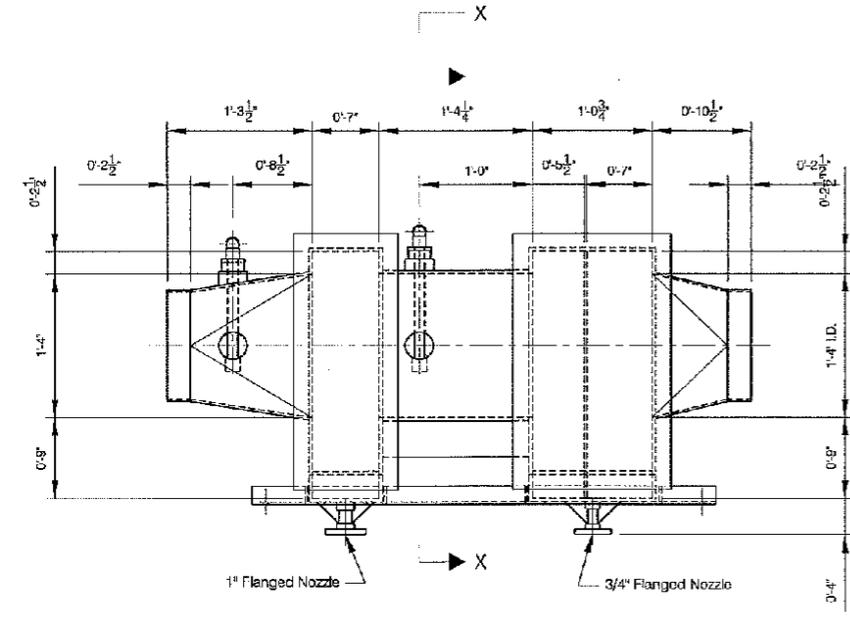


SECTION X-X

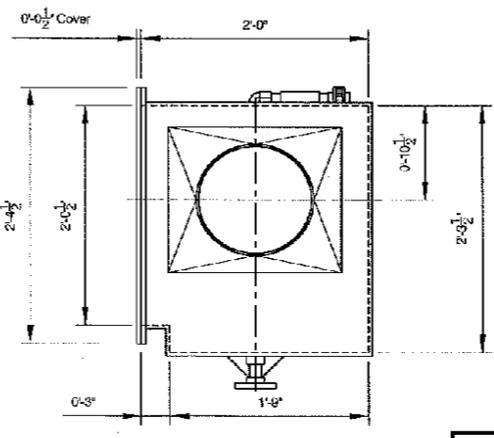


BLADE BANK DETAIL
1ST STAGE - 1 REQ'D

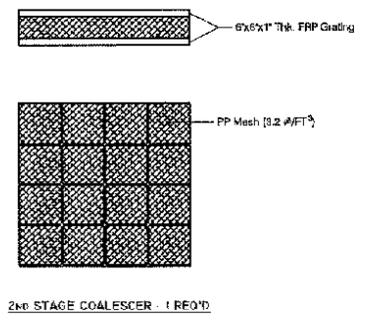
BLADE BANK DETAIL
2ND STAGE - 1 REQ'D



ELEVATION



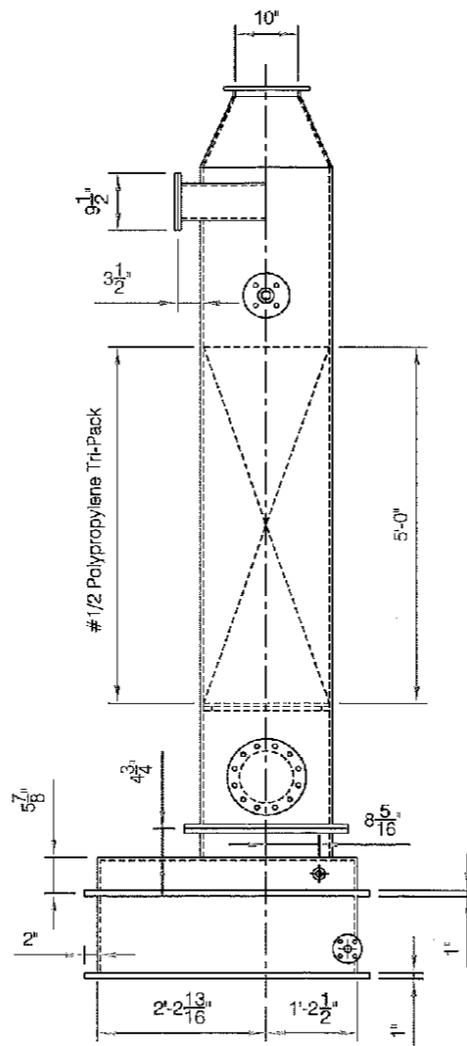
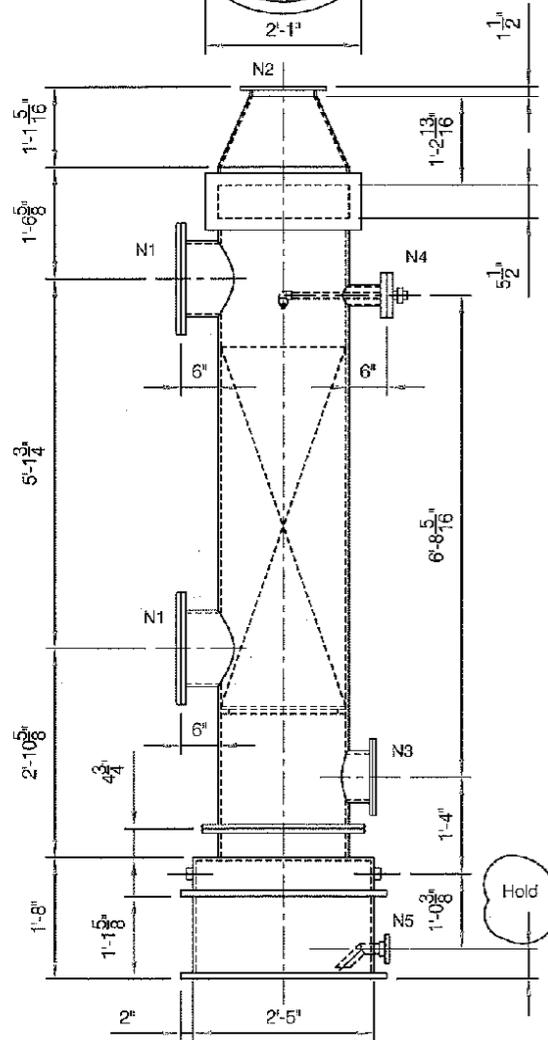
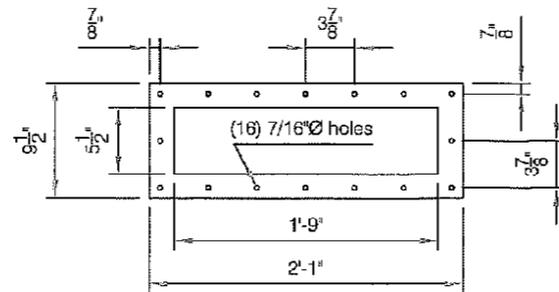
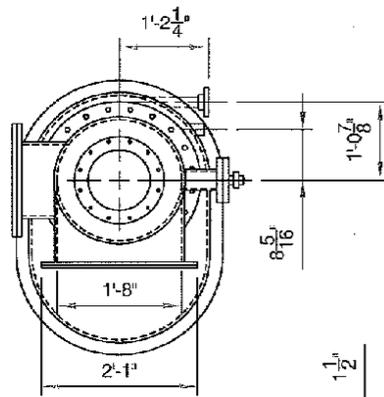
END VIEW



2nd STAGE COALESCER - 1 REQ'D

BY	DATE	DESCRIPTION	NO.
REVISIONS			
DRAWN BY L. Morals		 FABRICATED PLASTICS LIMITED 2176 Teston Road, Maple, Ontario, CANADA L6A-1T3	
CHECKED BY			
APPROVED BY		TITLE	
DATE June 19, 2002		LMS SCRUBBER - Model 15	
SCALE 3/4" = 1'-0"		CUSTOMER	
REFERENCE 17878		KENCRO CHEMICALS	
		P.O. No.	
		DWG. No.	
		17878-3446	
		REV.	
		0	000407

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NOZZLE SCHEDULE

MARK	SIZE	QTY.	PIPE THICKNESS	FLANGE THICKNESS	GUSSET	DESCRIPTION
N1	12	2	0.5"	0.75"	N/A	ACCESS
N2	10	1	0.5"	0.75"	N/A	DISCHARGE
N3	8	1	0.5"	0.75"	N/A	GAS INLET
N4	4	1	0.332"	0.75"	N/A	SPRAY NOZZLE
N5	1.25"	1	0.22"	0.75"	4	PUMP SUCTION
N6	1"	1	THR'D BOSS		N/A	WATER SUPPLY
N7	1"	1	THR'D BOSS		N/A	PUMP MAKE-UP

GENERAL NOTES:

1. All nozzles are Imperial units except where noted.
2. Flanges to be flat faced as per 41-GP-22
3. Bolt holes to straddle major centerlines
4. Support heavy fittings and valves independent of nozzles
5. Nozzles shall be protected with plywood cover
6. Lifting and Installation as per Fabco Instructions

VESSEL DESIGN CONDITIONS

DESIGN PRESSURE: 3" wg.
 DESIGN TEMPERATURE: AMBIENT
 CHEMICAL SERVICE: HYDROCHLORIC ACID
 VAPOUR FLOW: 1000 CFM
 LIQUID FLOW: 12 US GPM (10 PSIG Nozzle Pressure)
 LOCATION: INDOORS

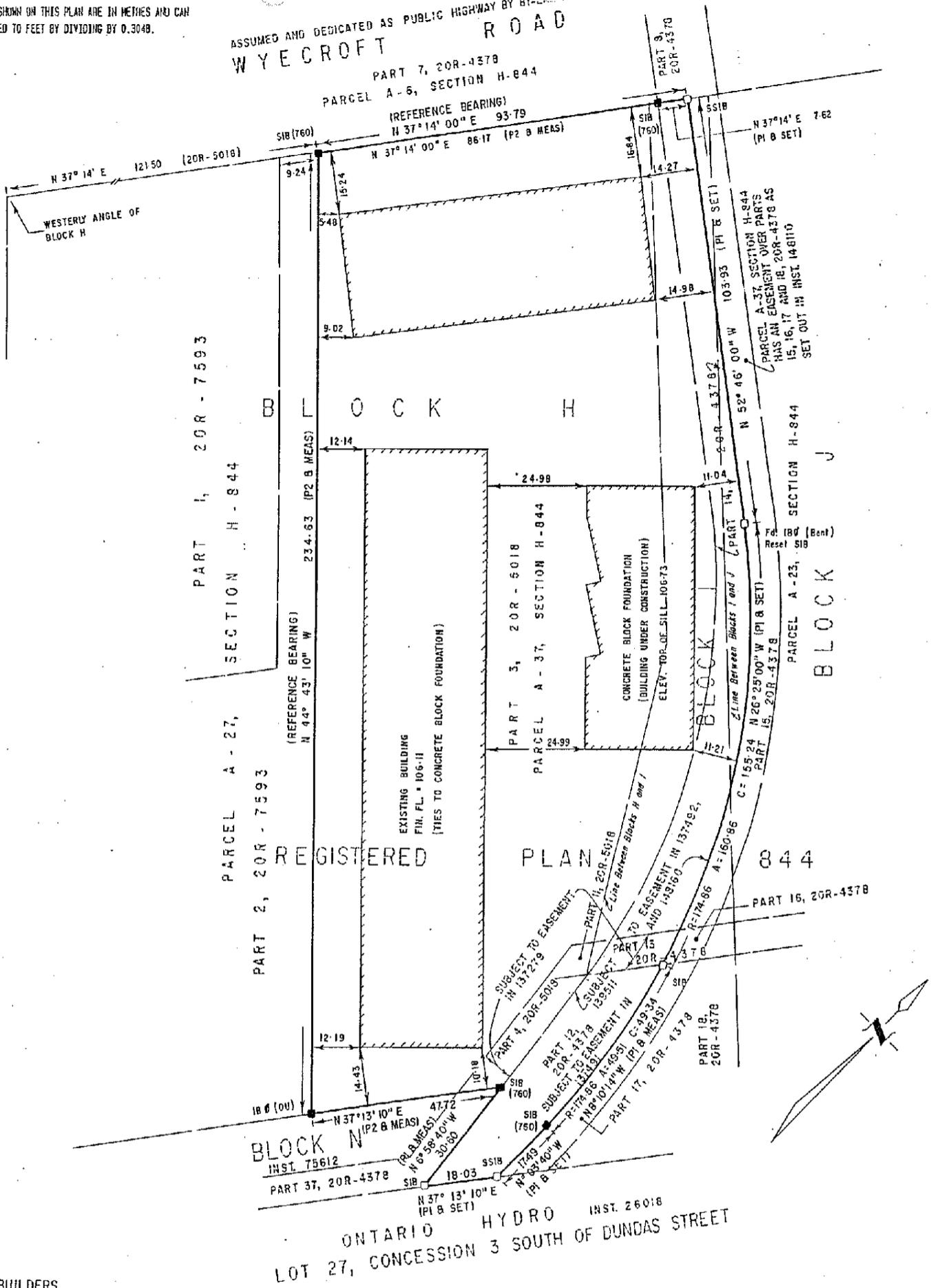
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BY	DATE	DESCRIPTION	NO
REVISIONS			
DRAWN BY	I. Morais	 FABRICATED PLASTICS LIMITED 2175 Teston Road, Maple, Ontario, CANADA L6A-1T3	
CHECKED BY			
APPROVED BY			
DATE	June 11, 002		
		TITLE	
		Hydrochloric Scrubber	
		CUSTOMER	
		Konoro Chemicals	
SCALE	1/2" = 1'-0"	P.O. No.	
REFERENCE	17927	DWG. No.	17927-3436
		REV.	0

METRIC

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

ASSUMED AND DEDICATED AS PUBLIC HIGHWAY BY BY-LAW 1979-107
WYECROFT ROAD



ONTARIO HYDRO INST. 26018
 LOT 27, CONCESSION 3 SOUTH OF DUNDAS STREET

UNITED BUILDERS

SURVEYOR'S CERTIFICATE

I CERTIFY THAT THE FIELD SURVEY REPRESENTED ON THIS PLAN WAS COMPLETED ON THE 14th DAY OF FEBRUARY, 1990

DATE: FEBRUARY 19, 1990

Robert T. Force
 ROBERT T. FORCE, O.L.S.

NOTE

BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE SOUTHEASTERLY LIMIT OF WYECROFT ROAD HAVING A BEARING OF N 37° 14' 00" E IN ACCORDANCE WITH PLAN 20R-5018

LEGEND

- SIB DENOTES STANDARD IRON BAR (.025x.025x1.22)
- IB+ DENOTES ROUND IRON BAR (.018 DIA. x.61)
- IB DENOTES IRON BAR (.015x.015x.61)
- CC DENOTES CUT CROSS
- DENOTES FOUND
- DENOTES PLANTED
- WIT DENOTES WITNESS
- P1 DENOTES PLAN 20R-4378
- P2 DENOTES PLAN 20R-5018
- 760 DENOTES McCONNELL, MAUGHAN LIMITED, O.L.S.
- OU DENOTES ORIGIN UNKNOWN

PLAN OF SURVEY OF
 PART OF BLOCKS H, I AND J
 REGISTERED PLAN No 844
 FORMERLY TOWNSHIP OF TRAFALGAR, COUNTY OF HALTON
 NOW IN THE TOWN OF OAKVILLE
 REGIONAL MUNICIPALITY OF HALTON

SCALE = 1:1000



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mcconnell, maughan limited CONSULTING ENGINEERS AND SURVEYORS
 407 SPEERS ROAD, SUITE 209, OAKVILLE, L6K-3T5 OAKVILLE - TORONTO
 TEL. (416) 845-3497

DRAWN BY A. R.	CHECKED BY R. T. F.	SCALE 1:1000	PLAN No. 1 11-90-15
-------------------	------------------------	-----------------	------------------------

RECEIVED AND DEPOSITED

DATE: JULY 23, 1986

Landra E. She
LAND REGISTRAR FOR THE
TITLES DIVISION OF HALTON

I REQUIRE THIS PLAN TO
DEPOSITED UNDER THE LAND
TITLES ACT

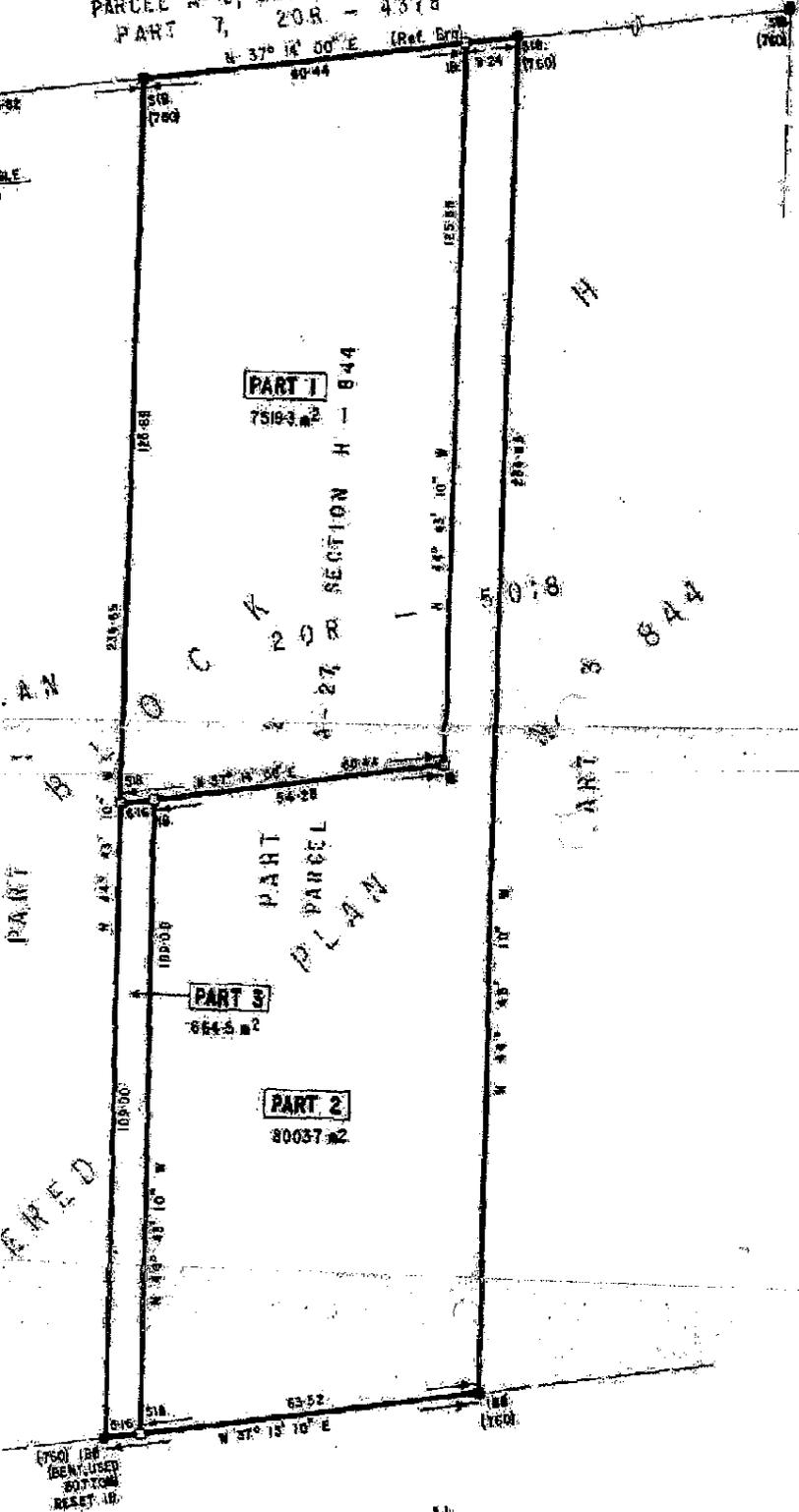
DATE: JULY 21, 1986

Robert T. Force
ROBERT T. FORCE, O.L.S.

PARTS 1, 2 & 3 - ALL OF PARCEL A
SECTION H-844
TOGETHER WITH A RIGHT OF WAY
IN INST. 148180 OVER PARTS 15
17 & 18 ON PLAN 20R-4578

WYECROFT ROAD

PARCEL A-6, SECTION H-844
PART 7, 20R-4378



PLAN OF SURVEY OF
PART OF BLOCK H
REGISTERED PLAN No. 844
FORMERLY TOWNSHIP OF TRAFALGAR, COUNTY OF HALTON
NOW IN THE TOWN OF OAKVILLE
REGIONAL MUNICIPALITY OF HALTON.

McCONNELL, MAUGHAN LIMITED, O.L.S., 1986

SCALE = 1:1000



SURVEYOR'S CERTIFICATE:

I CERTIFY THAT
(1) THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE
SURVEYS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE
THEREUNDER.
(2) THE SURVEY WAS COMPLETED ON THE 4TH DAY OF JULY, 1986

DATE: JULY 21, 1986

Robert T. Force
ROBERT T. FORCE, O.L.S.

CAUTION:

THIS PLAN IS NOT A PLAN OF SUBDIVISION WITHIN THE MEANING OF THE
PLANNING ACT.

METRIC:

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED
TO FEET BY DIVIDING BY 0.3048

LEGEND:

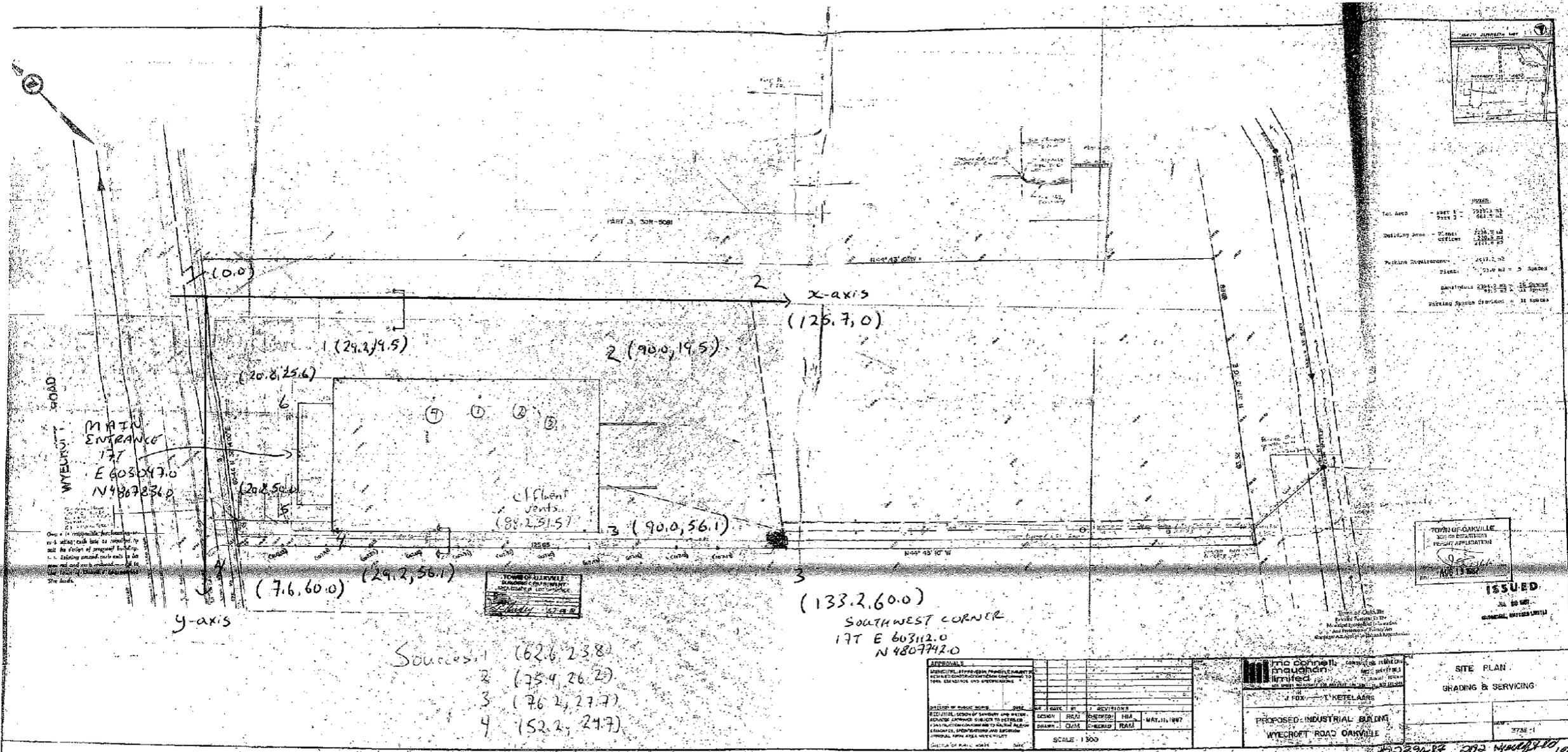
- CS DENOTES PLANTED
- DENOTES FOUND
- SIB DENOTES STANDARD IRON BAR (0.025 x 0.025 x 122)
- IRB DENOTES ROUND IRON BAR (3.018 DIA. x 0.61)
- IB DENOTES IRON BAR (19.015 x 0.015 x 0.61)
- 700 DENOTES McCONNELL, MAUGHAN LIMITED, O.L.S.

BEARING REFERENCE:

BEARINGS SHOWN HEREON ARE ASTRONOMIC AND ARE REFERRED TO THE
SOUTHEASTERLY LIMIT OF WYECROFT ROAD ASSUMED TO BE N 37° 14' 00\"/>

mc connell, maughan limited CONSULTING ENGINEER AND SURVEYOR
OAKVILLE - TORONTO
407 SPEERS ROAD, SUITE 209, OAKVILLE, ONT. L6K 3T5. TEL. (416) 345-2111

DRAWN BY M.S.T.	CHECKED BY R.T.F.	SCALE 1:1000	PLAN No.
--------------------	----------------------	-----------------	----------



PROJ. NO. 10000

Tot. Area - Part 1 - 2211.2 m²
Part 2 - 661.5 m²

Building Area - Plans - 1216.5 m²
Office - 120.0 m²
411.0 m²

Parking Requirements - 451.2 m²
Plots - 71.0 m² = 5 Spaces

Garage/Shop 224.0 m² = 16 Spaces
411.2 m² = 28 Spaces

Parking Spaces Provided - 31 Spaces



ISSUED
JUL 20 1997
GENERAL SERVICES UNIT

- Sources:
- 1 (62.6, 23.8)
 - 2 (75.9, 26.2)
 - 3 (76.2, 27.7)
 - 4 (52.2, 24.7)

DATE	BY	REVISIONS

SCALE: 1:500

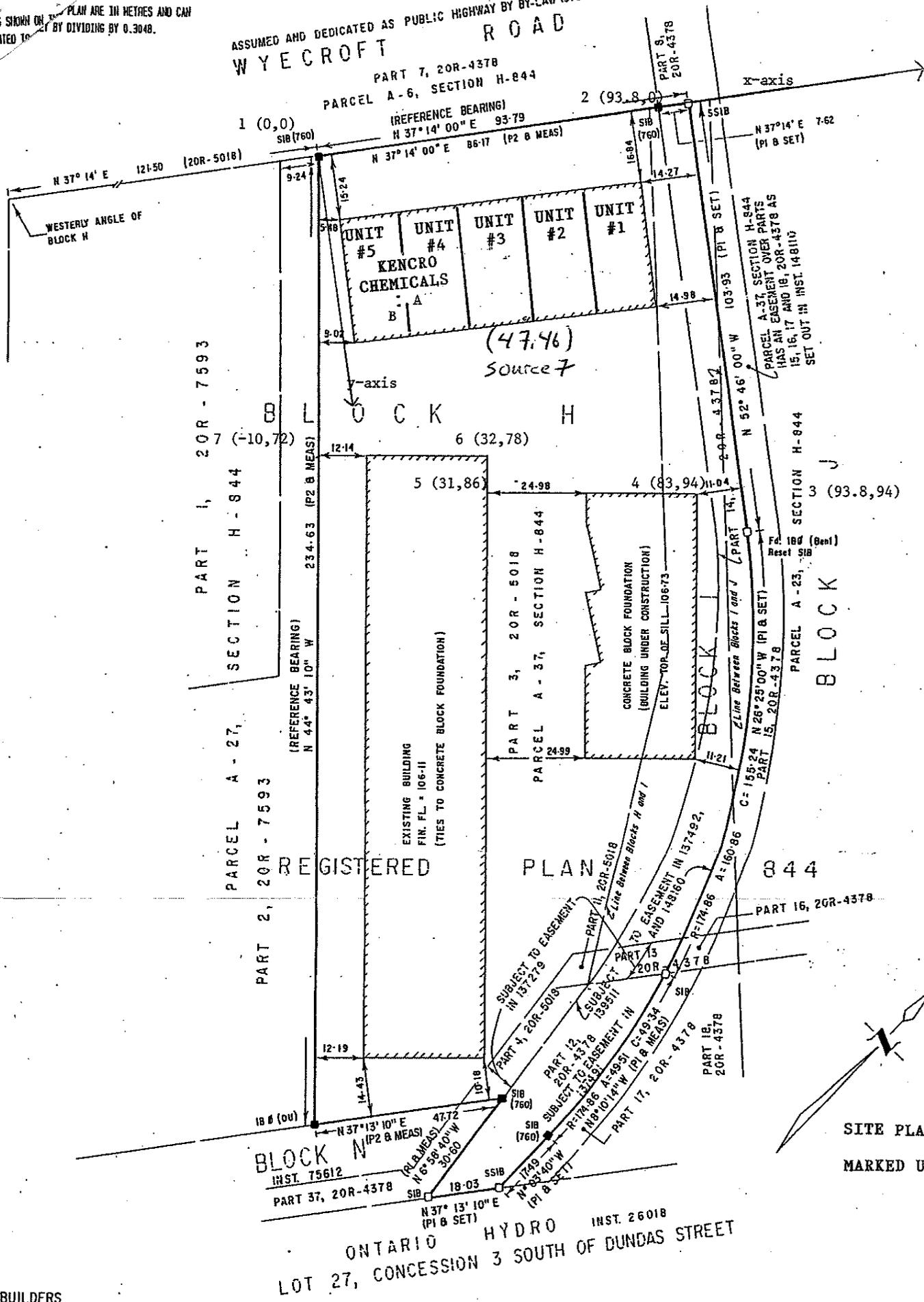
Proposed Industrial Building
WYECROFT ROAD OAKVILLE

SITE PLAN
GRADING & SERVICES

DATE: 1997-07-20

NOTE
 DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN
 BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

ASSUMED AND DEDICATED AS PUBLIC HIGHWAY BY BY-LAW 1979-107
WYECROFT ROAD



**SITE PLAN
 MARKED UP**

ONTARIO HYDRO INST. 26018
 LOT 27, CONCESSION 3 SOUTH OF DUNDAS STREET

UNIT BUILDERS

SURVEYOR'S CERTIFICATE

I CERTIFY THAT THE FIELD SURVEY REPRESENTED ON THIS PLAN WAS COMPLETED
 ON THE 14th DAY OF FEBRUARY, 1990

DATE: FEBRUARY 19, 1990

Robert T. Force
 ROBERT T. FORCE, O.L.S.

NOTE

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 HAVING A BEARING OF N37°14'00"E IN ACCORDANCE WITH PLAN 20R-5018

LEGEND

- SIB DENOTES STANDARD IRON BAR (.025x.025x1.22)
- IB+ DENOTES ROUND IRON BAR (.818 DIA. x.63)
- IB DENOTES IRON BAR (.015x.015x.61)
- CC DENOTES CUT CROSS
- DENOTES FOUND
- DENOTES PLANTED
- WIT DENOTES WITNESS
- PI DENOTES PLAN 20R-4378
- P2 DENOTES PLAN 20R-5018
- 760 DENOTES MCCONNELL, MAUGHAN LIMITED, O.L.S.
- OU DENOTES ORIGIN UNKNOWN

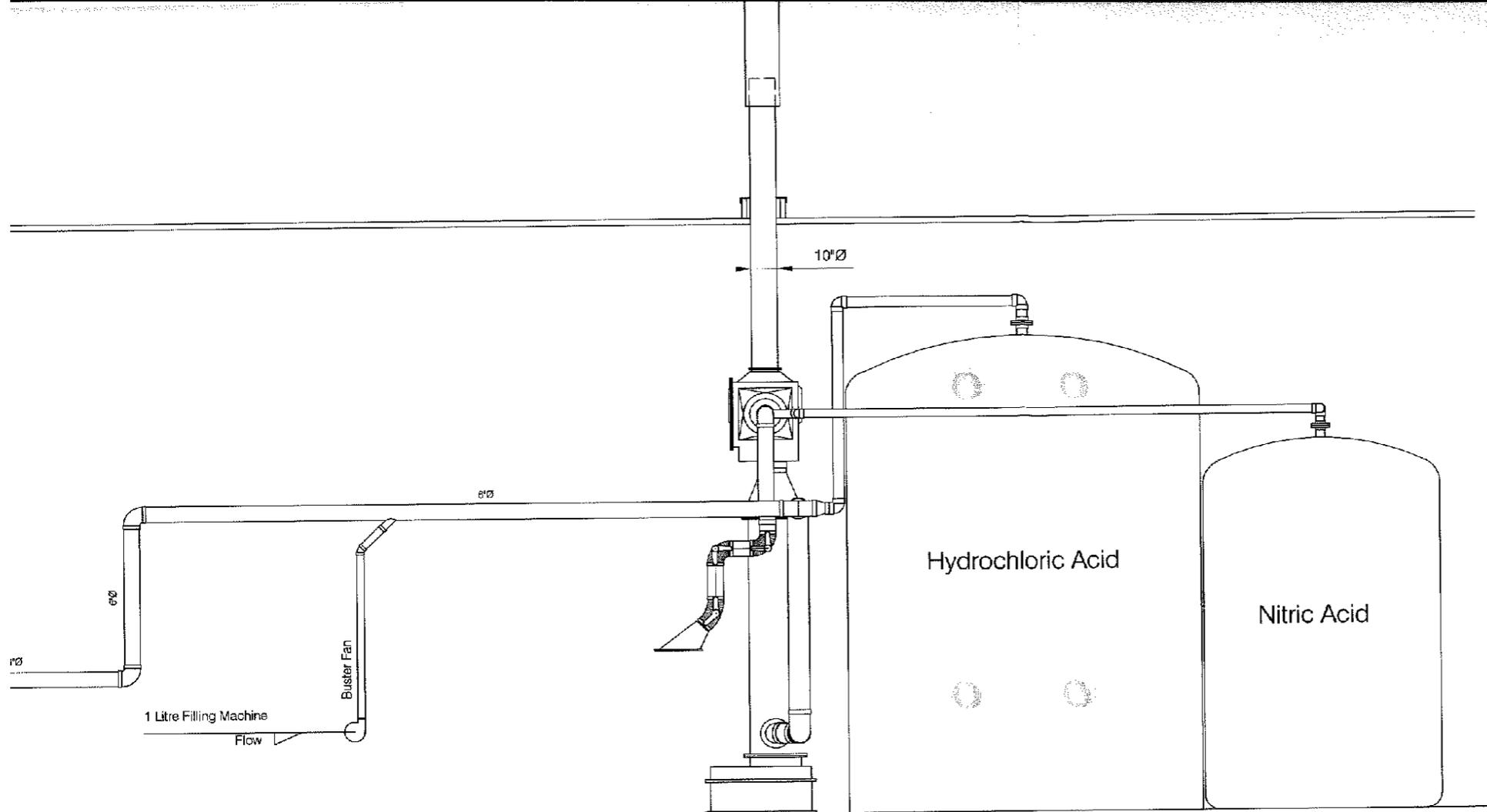
PLAN OF SURVEY OF
 PART OF BLOCKS H, I AND J
 REGISTERED PLAN N^o 844
 FORMERLY TOWNSHIP OF TRAFALGAR, COUNTY OF HALTON
 NOW IN THE TOWN OF OAKVILLE
 REGIONAL MUNICIPALITY OF HALTON

SCALE = 1:1000
 0 20 40 60 80 100 metres

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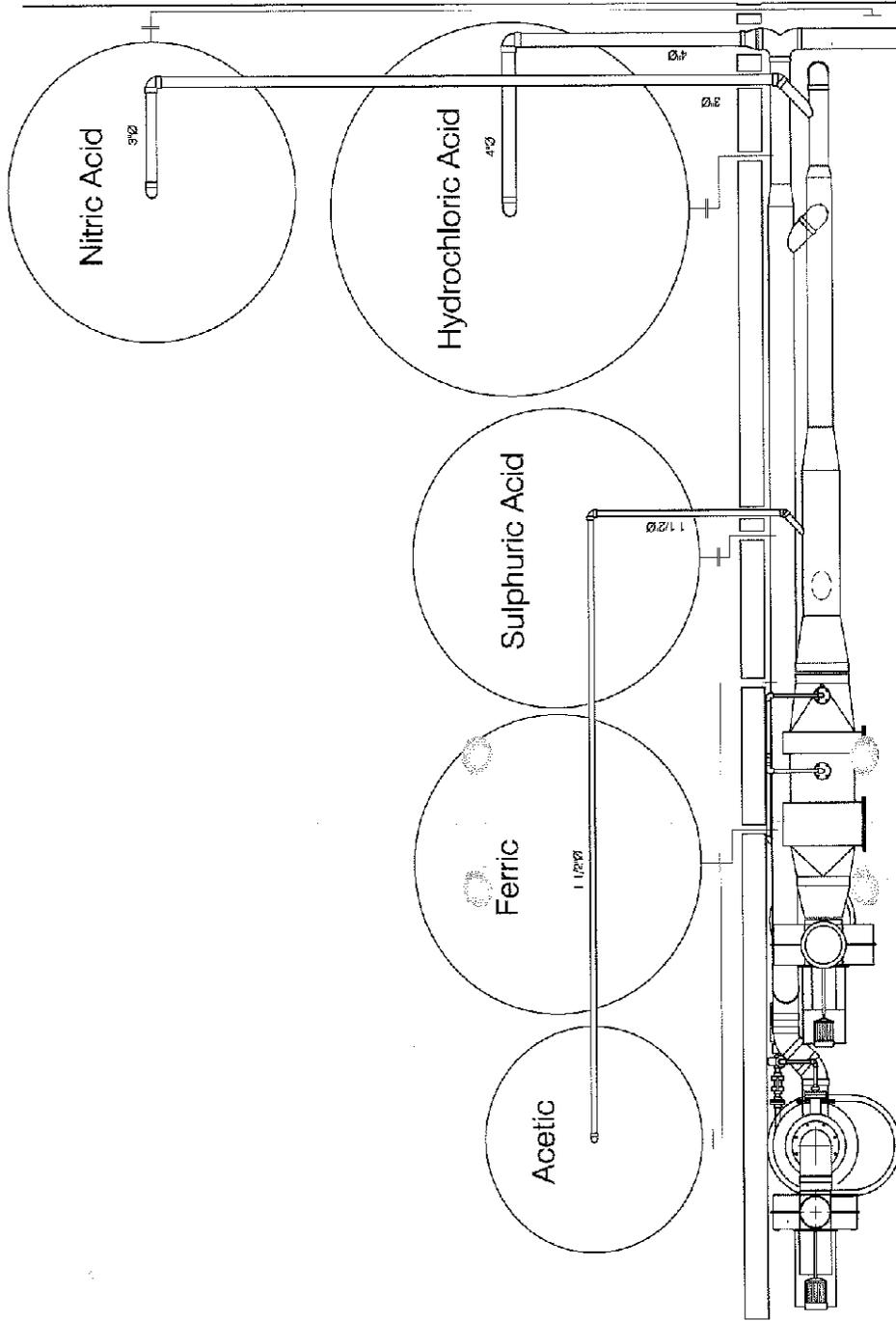
mccconnell, maughan limited CONSULTING ENGINEERS AND SURVEYORS
 OAKVILLE - TORONTO
 407 SPEERS ROAD, SUITE 209, OAKVILLE, L6K-3T5
 TEL. (416) 845-3497

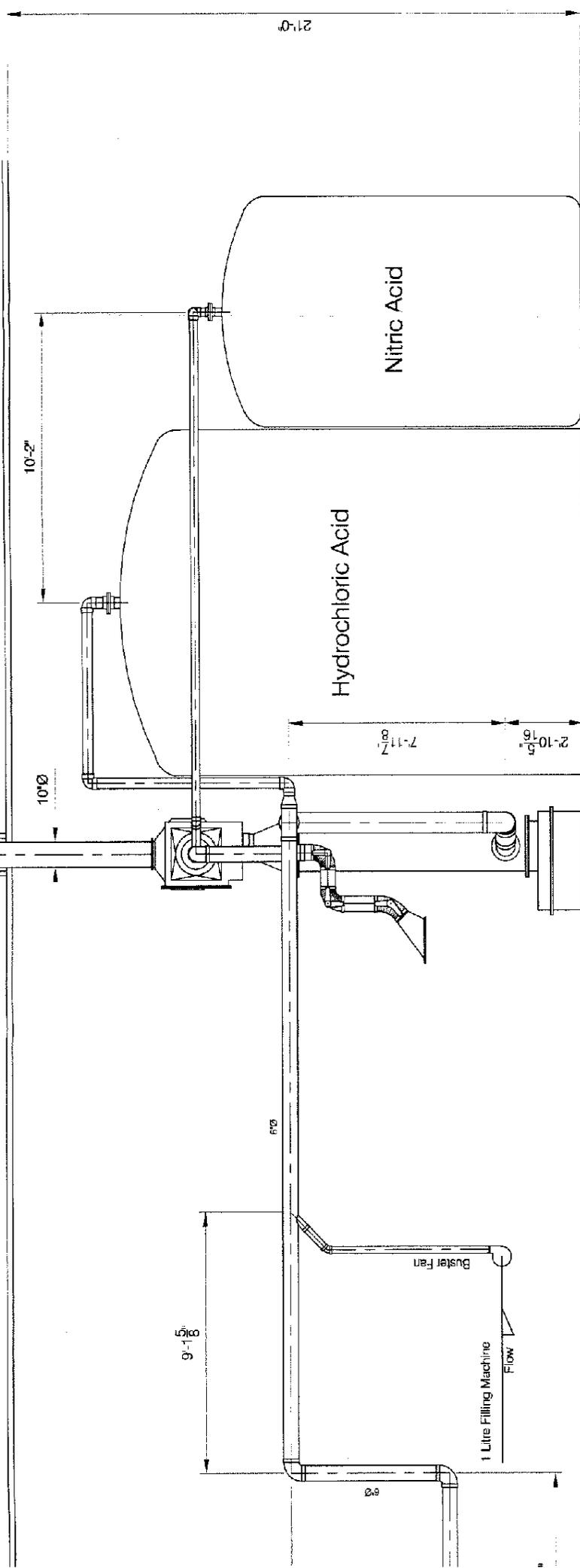
DRAWN BY A.R. CHECKED BY R.T.F. SCALE 1:1000 PLAN No. 11-90-15



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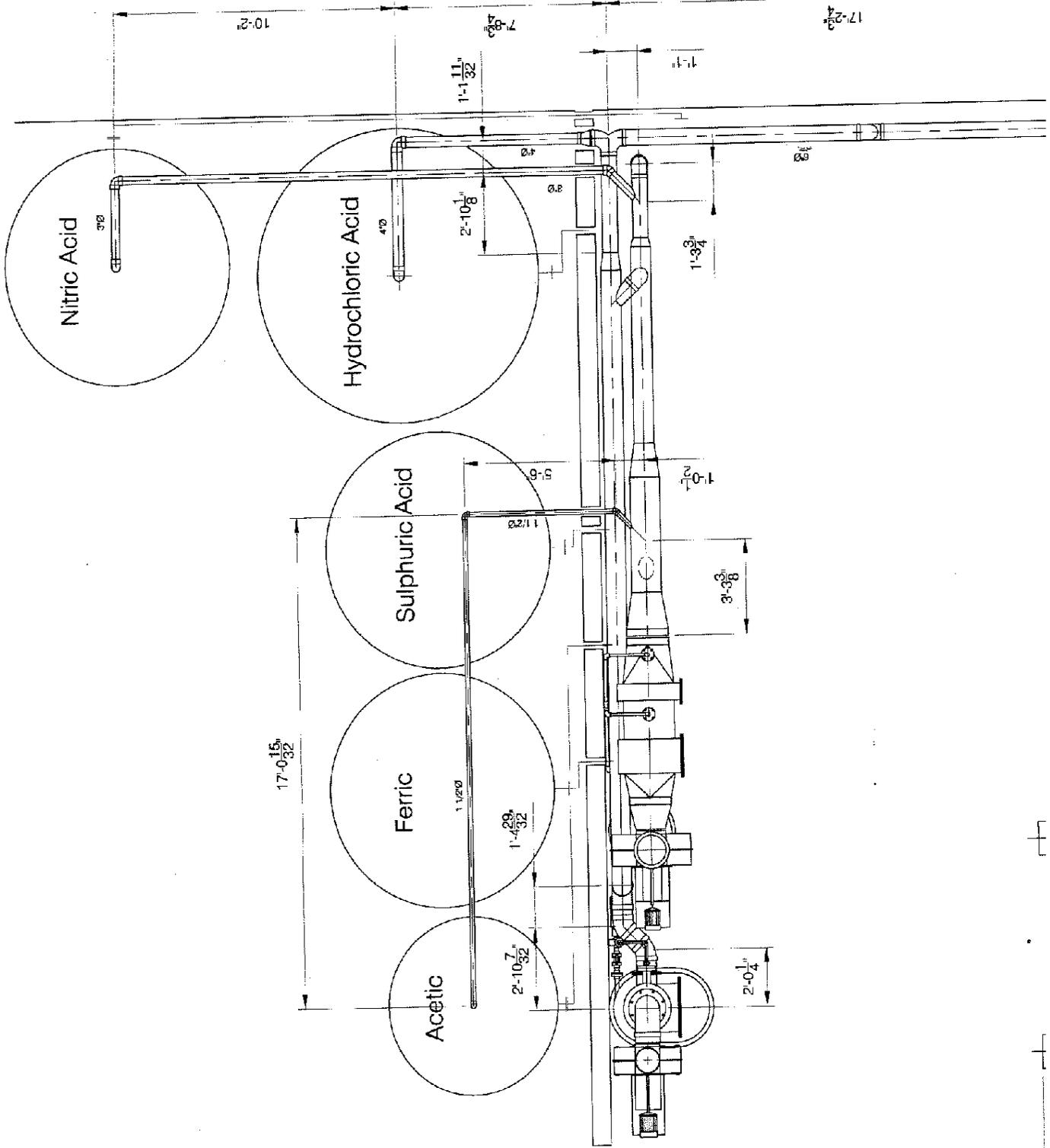
BY	DATE	DESCRIPTION	NO.
REVISIONS			
DRAWN BY	L. Morais	 FABRICATED PLASTICS LIMITED 2175 Teston Road, Maple, Ontario, CANADA L6A-1T3	
CHECKED BY			
APPROVED BY			
DATE	June 7, 2002	TITLE	
SCALE	1/4" = 1'-0"	Scrubber System	
REFERENCE	17878	CUSTOMER	
		KENCRO CHEMICALS LTD	
		P.O. No. Ken	
		DWG. No. 17878-3435	REV 0





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BY	DATE	DESCRIPTION	NO.
REVISIONS			
DRAWN BY	L. Morais	 FABRICATED PLASTICS LIMITED 2175 Teslon Road, Maple, Ontario, CANADA L6A-1T3	
CHECKED BY			
APPROVED BY		TITLE	
DATE	June 7, 2002	Scrubber System	
SCALE	1/4" = 1'-0"	CUSTOMER	KENRO CHEMICALS LTD
REFERENCE	17878	P.O. No.	17878-3435
		DWG No.	17878-3435
		REV.	0



APPENDIX III
ERIS Report



DATABASE REPORT

Project Property: *Phase I ESA
2172 Wyecroft Road
Oakville ON L6L 6R1
339515*

Project No: *339515*

Report Type: *Standard Report*

Order No: *24040300684*

Requested by: *Pinchin Ltd.*

Date Completed: *April 5, 2024*

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Executive Summary

Property Information:

Project Property: *Phase I ESA
2172 Wycroft Road Oakville ON L6L 6R1*

Project No: *339515*

Coordinates:

Latitude: *43.4159921*
Longitude: *-79.7253575*
UTM Northing: *4,807,800.66*
UTM Easting: *603,190.86*
UTM Zone: *UTM Zone 17T*

Elevation: *346 FT
105.50 M*

Order Information:

Order No: *24040300684*
Date Requested: *April 3, 2024*
Requested by: *Pinchin Ltd.*
Report Type: *Standard Report*

Historical/Products:

Aerial Photographs *Aerials - National Collection*
ERIS Xplorer [ERIS Xplorer](#)
Physical Setting Report (PSR) *Physical Setting Report (PSR)*
Topographic Map *Ontario Base Map (OBM)*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	4	4	8
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	2	1	3
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	8	8
EASR	<i>Environmental Activity and Sector Registry</i>	Y	1	2	3
EBR	<i>Environmental Registry</i>	Y	4	5	9
ECA	<i>Environmental Compliance Approval</i>	Y	4	5	9
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	7	22	29
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	33	54	87
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory 1993-2020</i>	Y	0	1	1
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	1	1
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	8	8	16
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	1	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	12	8	20
SPL	<i>Ontario Spills</i>	Y	1	3	4
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	2	2
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	1	1

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
		<hr/>			
		Total:	76	126	202

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	SCT	NICHOLSON CHEMICAL INC.	2172 WYECROFT RD OAKVILLE ON L6L 6R1	-/0.0	-0.09	50
1	SCT	Hydratech Machine & Eng Ltd.	2172 Wycroft Rd Unit 9 Oakville ON L6L 6R1	-/0.0	-0.09	50
1	SCT	NORSEMAN STEEL FABRICATORS LTD	2172 WYECROFT RD UNIT 20 OAKVILLE ON L6L 6R1	-/0.0	-0.09	50
1	CHM	NEWBURGH	2172 WYECROFT RD OAKVILLE ON L6L 6R1	-/0.0	-0.09	51
1	SCT	MASTER DYNE LTD.	2172 WYECROFT RD OAKVILLE ON L6L 6R1	-/0.0	-0.09	51
1	SCT	NICHOLSON CHEMICAL INC.	2172 Wycroft Rd Unit 18 Oakville ON L6L 6R1	-/0.0	-0.09	51
1	SCT	Hydratech Machine & Eng. Ltd.	2172 Wycroft Rd Unit 9 Oakville ON L6L 6R1	-/0.0	-0.09	51
1	SCT	Norseman Steel Fabricators Ltd.	2172 Wycroft Rd Unit 20 Oakville ON L6L 6R1	-/0.0	-0.09	52
1	SCT	Metalsmiths	2172 Wycroft St Unit 5 Oakville ON L6L 6R1	-/0.0	-0.09	52

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	CHM	KENCRO CHEMICALS LIMITED	2172 WYECROFT OAKVILLE ON L6L 6R1	-/0.0	-0.09	52
1	CA		2172 Wyecroft Road, Unit #24 Oakville ON L6L 6R1	-/0.0	-0.09	52
1	EBR	Jolly & Associates Consultants Inc.	2172 Wyecroft Road, Unit #24 Oakville Ontario Oakville ON	-/0.0	-0.09	52
1	SCT	Metalsmiths Co. Ltd.	2172 Wyecroft Rd Unit 5 Oakville ON L6L 6R1	-/0.0	-0.09	53
1	EBR	Kencro Chemicals Limited	2172 Wyecroft Road, Unit #4 Oakville Ontario L6L 5V6 Oakville ON	-/0.0	-0.09	53
1	PES	TRUGREEN LAWNCARE	2172 WYECROFT RD UNIT 16 OAKVILLE ON L6L 6R1	-/0.0	-0.09	54
1	PES	THE TREE SPECIALISTS INC	2172 WYECROFT RD UNIT 16 OAKVILLE ON L6L 6R1	-/0.0	-0.09	54
1	GEN	HMS EQUIPMENT SALES	2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	-/0.0	-0.09	54
1	GEN	HMS (OUT OF BUS) 20-265	2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	-/0.0	-0.09	55

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	HMS EQUIPMENT SALES 20-265	2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	-/0.0	-0.09	55
1	GEN	MASTER-DYNE LIMITED 26-982	2172 WYECROFT ROAD, UNIT #3 OAKVILLE ON L6L 6R1	-/0.0	-0.09	56
1	GEN	AUTO PRO COLLISION AND RESTORATION	2172 WYECROFT ROAD, UNIT 18 OAKVILLE ON L6L 6R1	-/0.0	-0.09	56
1	GEN	HAGER	2172 WYECROFT ROAD, UNIT 25 OAKVILLE ON L6L 5V6	-/0.0	-0.09	56
1	GEN	MASTER-DYNE LIMITED	2172 WYECROFT ROAD, UNIT 3 OAKVILLE ON L6L 5V6	-/0.0	-0.09	57
1	EHS		2172 Wyecroft Road Oakville ON L6L 6R1	-/0.0	-0.09	57
1	SCT	CDC Contract Drapery Co. Ltd.	2172 Wyecroft Rd Unit 8 Oakville ON L6L 6R1	-/0.0	-0.09	57
1	GEN	United Building Investments No. 6 Limited	2172 Wyecroft Road, Unit 6 Oakville ON L6L 6R1	-/0.0	-0.09	58
1	SCT	World of Lights LED Solutions	2172 Wyecroft Rd Unit 7 Oakville ON L6L 6R1	-/0.0	-0.09	58
1	EBR	Genieye Systems Inc.	2172 Wyecroft Road Suite 14-15 Oakville Ontario L6L 6R1 Oakville ON	-/0.0	-0.09	58

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	PES	TRUGREEN LAWCARE/ K-TON PROPERTIES & DEVELOP. INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	-/0.0	-0.09	59
1	PES	THE TREE SPECIALISTS INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	-/0.0	-0.09	59
1	EBR	Kencro Chemicals Limited	2172 Wycroft Road Unit 4 Oakville, Regional Municipality of Halton L6L 5V6 TOWN OF OAKVILLE ON	-/0.0	-0.09	60
1	GEN	Bezemer Services	2172 Wycroft Road Oakville ON L6L 6R1	-/0.0	-0.09	60
1	GEN	Filter Solutions Inc	2172 Wycroft Road #21 Oakville ON L6L 6R1	-/0.0	-0.09	61
1	GEN	Macmillan Machining Inc.	9-2172 Wycroft Rd - Oakville ON L6L 6R1	-/0.0	-0.09	61
1	GEN	Kencro Chemcials Limited	2172 Wycroft Road, Unit #4 Oakville ON L6L 6R1	-/0.0	-0.09	61
1	CA	Kencro Chemicals Limited	2172 Wycroft Road, Unit #4 Oakville ON L6L 6R1	-/0.0	-0.09	62
1	CA	Genieye Systems Inc.	2172 Wycroft Road Oakville ON L6L 6R1	-/0.0	-0.09	62

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	CA	Kencro Chemicals Limited	2172 Wycroft Rd Oakville ON L6L 6R1	-/0.0	-0.09	62
1	SCT	AJS Woodworking Ltd.	2172 Wycroft Rd Unit 11-12 Oakville ON L6L 6R1	-/0.0	-0.09	63
1	GEN	Bezemer Services	2172 Wycroft Road Oakville ON L6L 6R1	-/0.0	-0.09	63
1	GEN	Filter Solutions Inc	2172 Wycroft Road #21 Oakville ON L6L 6R1	-/0.0	-0.09	63
1	GEN	Macmillan Machining Inc.	9-2172 Wycroft Rd - Oakville ON L6L 6R1	-/0.0	-0.09	64
1	GEN	Kencro Chemicals Limited	2172 Wycroft Road, Unit #4 Oakville ON L6L 6R1	-/0.0	-0.09	64
1	PES	TRUGREEN LAWCARE/ K- TON PROPERTIES & DEVELOP. INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 1R6	-/0.0	-0.09	65
1	PES	THE TREE SPECIALISTS INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	-/0.0	-0.09	65
1	GEN	Macmillan Machining Inc.	9-2172 Wycroft Rd - Oakville ON L6L 6R1	-/0.0	-0.09	65
1	GEN	Filter Solutions Inc	2172 Wycroft Road #21 Oakville ON L6L 6R1	-/0.0	-0.09	66

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	Bezemer Services	2172 Wyecroft Road Oakville ON L6L 6R1	-/0.0	-0.09	66
1	GEN	Kencro Chemcials Limited	2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	-/0.0	-0.09	67
1	GEN	Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 6R1	-/0.0	-0.09	67
1	GEN	Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON	-/0.0	-0.09	67
1	EHS		2172 Wyecroft Rd Oakville ON L6L6R1	-/0.0	-0.09	68
1	ECA	Kencro Chemicals Limited	2172 Wyecroft Rd Oakville ON L6L 5V6	-/0.0	-0.09	68
1	ECA	Jolly & Associates Consultants Inc.	2172 Wyecroft Rd Oakville ON L0P 1B0	-/0.0	-0.09	68
1	ECA	Genieye Systems Inc.	2172 Wyecroft Road Oakville ON L6L 6R1	-/0.0	-0.09	69
1	ECA	Kencro Chemicals Limited	2172 Wyecroft Road, Unit #4 Oakville ON L6L 5V6	-/0.0	-0.09	69

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	GEN	Alome Finishing	2172 Wyecroft Road, Unit 10-11 Oakville ON L6L 6R1	-/0.0	-0.09	69
1	GEN	Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 1V6	-/0.0	-0.09	70
1	GEN	Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 1V6	-/0.0	-0.09	70
1	GEN	Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 1V6	-/0.0	-0.09	70
1	GEN	Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 1V6	-/0.0	-0.09	71
1	GEN	Alome Finishing	2172 Wyecroft Road, Unit 10-11 Oakville ON L6L 6R1	-/0.0	-0.09	71
1	EHS		2172 Wyecroft Road Oakville ON L6L 6R1	-/0.0	-0.09	71
1	PES	TRUGREEN LAWCARE/ K- TON PROPERTIES & DEVELOP. INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L1R6	-/0.0	-0.09	72
1	PES	TRUGREEN LAWCARE/ K- TON PROPERTIES & DEVELOP. INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L1R6	-/0.0	-0.09	72
1	GEN	Alome Finishing	2172 Wyecroft Road, Unit 10-11 Oakville ON L6L 6R1	-/0.0	-0.09	72

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	EASR	2540816 ONTARIO INC.	2172 WYECROFT RD OAKVILLE ON L6L 6R1	-/0.0	-0.09	73
1	GEN	2540816 ONTARIO INC ALOME FINISHING 2540816 ONTARIO INC ALOME FINISHING	2172 Wycroft Road, Unit 10-11 Oakville ON L6L 6R1	-/0.0	-0.09	73
1	GEN	KGO GROUP LTD	2172 Wycroft Rd., Unit 4 & 5 OAKVILLE ON L6L6R1	-/0.0	-0.09	73
1	GEN	2540816 ONTARIO INC ALOME FINISHING 2540816 ONTARIO INC ALOME FINISHING	2172 Wycroft Road, Unit 10-11 Oakville ON L6L 6R1	-/0.0	-0.09	74
1	GEN	KGO GROUP LTD	2172 Wycroft Rd., Unit 4 & 5 OAKVILLE ON L6L6R1	-/0.0	-0.09	74
1	EHS		2172 Wycroft Road Oakville ON L6L 6R1	-/0.0	-0.09	75
1	EHS		2172 Wycroft Road Oakville ON L6L 6R1	-/0.0	-0.09	75
1	EHS		2172 Wycroft Road Oakville ON L6L 6R1	-/0.0	-0.09	76
1	EHS		2172 Wycroft Road Oakville ON L6L 6R1	-/0.0	-0.09	76

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<u>1</u>	SPL		2172 Wycroft Rd, Oakville ON OAKVILLE ON	-/0.0	-0.09	<u>76</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	EHS		2104 Wycroft Rd Oakville ON L6L5V6	ENE/112.7	-0.66	77
3	WWIS		BRONTE GO STATION Oakville ON Well ID: 7329703	ESE/144.4	-0.66	77
4	SCT	New West Gypsum Recycling	2182 Wycroft Rd Oakville ON L6L 6R1	WNW/146.4	1.34	81
4	WDS	New West Gypsum Recycling (Ont.) Inc.	2182 Wycroft Rd Oakville ON L6L 5V6	WNW/146.4	1.34	81
4	EASR	CLOVERDALE DISPOSAL LTD.	2182 Wycroft RD Oakville ON L6L 5V6	WNW/146.4	1.34	82
5	WDS	New West Gypsum Recycling (Ont.) Inc.	2180 Wycroft Rd Oakville ON L6L 5V6	WNW/154.7	1.34	82
6	SPL	PRIVATE OWNER	2192 WYCROFT STORAGE TANK/BARREL OAKVILLE TOWN ON	WNW/156.8	1.34	83
6	EBR	Kencro Chemicals Limited	2192 Wycroft Road Oakville, Regional Municipality of Halton L6L 5V6 TOWN OF OAKVILLE ON	WNW/156.8	1.34	83
6	PES	KENCRO CHEMICALS LIMITED	2192 WYCROFT RD OAKVILLE ON L6L6R1	WNW/156.8	1.34	84
6	GEN	Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON	WNW/156.8	1.34	84
6	CHM	KENCRO CHEMICALS LTD	2192 WYCROFT OAKVILLE ON L6L5V6	WNW/156.8	1.34	84
6	GEN	Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON	WNW/156.8	1.34	85

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>6</u>	ECA	Kencro Chemicals Limited	2192 Wyecroft Rd Oakville ON L6L 6R1	WNW/156.8	1.34	<u>85</u>
<u>6</u>	GEN	Kencro Chemicals Ltd.	2192 Wyecroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	<u>85</u>
<u>6</u>	GEN	Kencro Chemicals Ltd.	2192 Wyecroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	<u>86</u>
<u>6</u>	GEN	Kencro Chemicals Ltd.	2192 Wyecroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	<u>86</u>
<u>6</u>	GEN	Kencro Chemicals Ltd.	2192 Wyecroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	<u>86</u>
<u>6</u>	GEN	Kencro Chemicals Ltd.	2192 Wyecroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	<u>87</u>
<u>6</u>	SPL	Kencro Chemicals Limited	2192 Wyecroft Rd Oakville ON L6L 5V6	WNW/156.8	1.34	<u>87</u>
<u>6</u>	GEN	Kencro Chemicals Ltd.	2192 Wyecroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	<u>88</u>
<u>6</u>	GEN	Kencro Chemicals Ltd.	2192 Wyecroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	<u>89</u>
<u>7</u>	SCT	ACME SAW LIMITED	2192 WYECROFT RD OAKVILLE ON L6L 6R1	WNW/156.8	1.34	<u>89</u>
<u>7</u>	SCT	MTM Steel Processing Inc.	2192 Wyecroft Rd Oakville ON L6L 6R1	WNW/156.8	1.34	<u>90</u>
<u>7</u>	SCT	Acme Saw Ltd.	2192 Wyecroft Rd Oakville ON L6L 6R1	WNW/156.8	1.34	<u>90</u>
<u>7</u>	GEN	O.H. MATERIALS OF CANADA LTD.	2192 WYECROFT ROAD P.O BOX 7010 OAKVILLE ON L6L 6R1	WNW/156.8	1.34	<u>90</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	GEN	O.H. MATERIALS OF CANADA LTD. 29-431	2192 WYECROFT ROAD P.O BOX 7010 OAKVILLE ON L6L 6R1	WNW/156.8	1.34	91
7	GEN	MTM Steel Processing Inc	2192 Wycroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	91
7	SCT	Cyltron Industries Limited	2192 Wycroft Rd Oakville ON L6L 6R1	WNW/156.8	1.34	91
7	EHS		2192 Wycroft Road Oakville ON L6L 6R1	WNW/156.8	1.34	92
7	GEN	969452 ONTARIO LIMITED	2192 WYECROFT RD OAKVILLE ON L6L 6R1	WNW/156.8	1.34	92
8	SPL	CONSTRUCTION COMPANY	REAR OF 2212 WYECROFT ROAD MOTOR VEHICLE (OPERATING FLUID) OAKVILLE TOWN ON L6L 6R1	W/180.0	1.72	92
8	SCT	GABRIEL TRANSMISSIONS INC.	2212 Wycroft Rd Oakville ON L6L 6R1	W/180.0	1.72	93
8	CA	Ontario Auto Collision Carstar - Oakville	2212 Wycroft Road Vaughan ON	W/180.0	1.72	93
8	CA		2212 Wycroft Road Oakville ON L6L 6R1	W/180.0	1.72	93
8	EBR	1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville	2212 Wycroft Road Vaughan Ontario L4K 2N6 Vaughan ON	W/180.0	1.72	94
8	PES	BRISCOTT LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W/180.0	1.72	94
8	GEN	TRUBOY FREIGHT INT. INC.	2212 WYECROFT ROAD UNIT 7 OAKVILLE ON L6L 6R1	W/180.0	1.72	95
8	GEN	721320 ONTARIO LTD.	O/A STEVE'S EXCAVATING 2212 WYECROFT ROAD, UNIT #5 OAKVILLE ON L6L 6R1	W/180.0	1.72	95

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	GEN	TRUBOY FREIGHT INT. INC.	2212 WYECROFT ROAD, UNIT 7 OAKVILLE ON L6L 5V6	W/180.0	1.72	95
8	GEN	721320 ONTARIO LTD (OUT OF BUSINESS)	O/A STEVE'S EXCAVATING 2212 WYECROFT ROAD, UNIT #5 OAKVILLE ON L6L 6R1	W/180.0	1.72	96
8	GEN	TRUBOY FREIGHT INTERNATIONAL INC.	2212 WYECROFT ROAD, UNIT 7 OAKVILLE ON L6L 5V6	W/180.0	1.72	96
8	GEN	721320 ONTARIO LTD (OUT OF BUSINESS)	2212 WYECROFT ROAD, UNIT 5 OAKVILLE ON L6L 6R1	W/180.0	1.72	97
8	EASR	1140538 ONTARIO INC	2212 WYECROFT RD OAKVILLE ON L6L 5V6	W/180.0	1.72	97
8	EHS		2212 Wyecroft Rd Oakville ON L6L6R1	W/180.0	1.72	97
8	ECA	1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville	2212 Wyecroft Road Vaughan ON L4K 2N6	W/180.0	1.72	98
8	ECA	1140538 Ontario Inc.	2212 Wyecroft Road Oakville ON L6L 5V6	W/180.0	1.72	98
8	PES	BRISCOTT LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W/180.0	1.72	98
8	GEN	Big Iron Diesel Inc	2212 Wyecroft Rd Unit 8 oakville ON L6L6R1	W/180.0	1.72	99
8	PES	BRISCOTT LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W/180.0	1.72	99
8	PES	BRISCOTT LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W/180.0	1.72	99
8	PES	BRISCOTT LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W/180.0	1.72	100

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	PES	BRISCOTT LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W/180.0	1.72	<u>100</u>
<u>8</u>	PES	BRISCOTT LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W/180.0	1.72	<u>100</u>
<u>9</u>	SCT	Ropak Canada Inc.	2240 Wyecroft Rd Oakville ON L6L 6M1	WSW/201.4	0.34	<u>101</u>
<u>9</u>	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	<u>101</u>
<u>9</u>	EBR	Ropak Canada Inc.	2240 Wyecroft Road Oakville Ontario L6L 6M1 Oakville ON	WSW/201.4	0.34	<u>102</u>
<u>9</u>	EHS		2240 Wyecroft Road Oakville ON L6L 6M1	WSW/201.4	0.34	<u>102</u>
<u>9</u>	CA	Ropak Canada Inc.	2240 Wyecroft Road Oakville ON L6L 6M1	WSW/201.4	0.34	<u>102</u>
<u>9</u>	EBR	Ropak Canada Inc.	2240 Wyecroft Road Oakville, Regional Municipality of Halton L6L 6M1 TOWN OF OAKVILLE ON	WSW/201.4	0.34	<u>103</u>
<u>9</u>	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	<u>103</u>
<u>9</u>	EHS		2240 Wyecroft Oakville ON L6L 6M1	WSW/201.4	0.34	<u>104</u>
<u>9</u>	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	<u>104</u>
<u>9</u>	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	<u>105</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
9	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	105
9	EBR	Ropak Canada Inc.	2240 Wycroft Road Oakville Regional Municipality of Halton L6L 6M1 TOWN OF OAKVILLE ON	WSW/201.4	0.34	106
9	NPRI	ROPAK PACKAGING	2240 Wycroft road Oakville ON L6L6M1	WSW/201.4	0.34	106
9	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON	WSW/201.4	0.34	107
9	ECA	Ropak Canada Inc.	2240 Wycroft Rd Oakville ON L6L 6M1	WSW/201.4	0.34	108
9	EHS		2240 Wycroft Road Oakville ON L6L 6M1	WSW/201.4	0.34	109
9	ECA	Ropak Canada Inc.	2240 Wycroft Road Oakville ON L6L 6M1	WSW/201.4	0.34	109
9	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	109
9	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	110
9	GEN	ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	111
9	GEN	ROPAK CANADA INC. OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	111
9	GEN	ROPAK CANADA INC. OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	112
9	GEN	ROPAK CANADA INC. OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	113

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>9</u>	GEN	ROPAK CANADA INC. OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	<u>114</u>
<u>9</u>	EHS		2240 wyecroft road Oakville ON L6L 6M1	WSW/201.4	0.34	<u>115</u>
<u>9</u>	EHS		2240 Wyecroft Road Oakville ON	WSW/201.4	0.34	<u>116</u>
<u>9</u>	NPR2	ROPAK - OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW/201.4	0.34	<u>116</u>
<u>9</u>	EHS		2240 Wyecroft Road Oakville ON	WSW/201.4	0.34	<u>120</u>
<u>9</u>	EHS		2240 wyecroft road Oakville ON L6L 6M1	WSW/201.4	0.34	<u>120</u>
<u>9</u>	EHS		2240 wyecroft road Oakville ON L6L 6M1	WSW/201.4	0.34	<u>121</u>
<u>9</u>	EHS		2240 Wyecroft Road Oakville ON	WSW/201.4	0.34	<u>121</u>
<u>9</u>	EHS		2240 Wyecroft Road Oakville ON	WSW/201.4	0.34	<u>121</u>
<u>9</u>	EHS		2240 wyecroft road Oakville ON L6L 6M1	WSW/201.4	0.34	<u>121</u>
<u>10</u>	RSC	ALL-MAR DEVELOPMENTS LIMITED	2195 WYECROFT RD ON OAKVILLE ON	WNW/201.6	2.34	<u>122</u>
<u>10</u>	EHS		2195 Wyecroft Oakville ON	WNW/201.6	2.34	<u>122</u>
<u>11</u>	SCT	THERMADYNE WELDING PRODUCTS	2220 WYECROFT RD OAKVILLE ON L6L 5V6	WSW/240.5	1.72	<u>122</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	GEN	PALCO WELDING PRODUCTS CANADA LTD.	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW/240.5	1.72	123
11	GEN	THERMADYNE CANADA 30-168	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW/240.5	1.72	123
11	GEN	THERMADYNE CANADA	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW/240.5	1.72	123
11	GEN	THERMADYNE CANADA	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW/240.5	1.72	124
11	GEN	THERMADYNE CANADA	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW/240.5	1.72	124
12	CA	WESTSUN SCENIC EDGE INC.	2139 WYECROFT ROAD OAKVILLE ON L6L 5L7	NNW/242.6	2.34	124
12	GEN	WESTSUN SCENIC EDGE INC.	2139 WYECROFT ROAD OAKVILLE ON L6L 5L7	NNW/242.6	2.34	125
12	GEN	Agfa Inc.	2139 Wyecroft Road Oakville ON L6L 5L7	NNW/242.6	2.34	125
12	GEN	Shuttle Express Inc.	2139 Wyecroft Rd. Oakville ON L6L 5L7	NNW/242.6	2.34	126
12	GEN	Shuttle Express Inc.	2139 Wyecroft Rd. Oakville ON L6L 5L7	NNW/242.6	2.34	126
12	EHS		2139 Wyecroft Road Oakville ON L6L 5L7	NNW/242.6	2.34	126
12	EHS		2139 Wyecroft Road Oakville ON L6L 5L7	NNW/242.6	2.34	127
12	EHS		2139 Wyecroft Road Oakville ON L6L 5L7	NNW/242.6	2.34	127

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
12	EHS		2139 Wycroft Road Oakville ON L6L 5L7	NNW/242.6	2.34	127
12	EHS		2139 Wycroft Road Oakville ON L6L 5L7	NNW/242.6	2.34	127
13	EHS		2189 Speers Road Oakville ON L6L 2X9	SE/244.1	-0.66	127
13	EHS		2189 Speers Road Oakville ON	SE/244.1	-0.66	128
14	GEN	BULK SYSTEMS	C.P. EXPRESS & TRANSPORT, DIV. OF 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W/246.3	2.34	128
14	GEN	BULK SYSTEMS 06-119	C.P. EXPRESS & TRANSPORT, DIV. OF 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W/246.3	2.34	128
14	GEN	LEVY TRANSPORT LTD.	2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W/246.3	2.34	129
14	GEN	MONTGOMERY TANK LINES ALSO	2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W/246.3	2.34	129
14	GEN	MONTGOMERY (OUT OF BUSINESS)	2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W/246.3	2.34	130
14	GEN	Tankmart Parts & service	2231 Wycroft Road Oakville ON L6L 5L7	W/246.3	2.34	130
14	DTNK	C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W/246.3	2.34	131
14	DTNK	C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W/246.3	2.34	131
14	DTNK	TRIMAC TRANSPORTATION SERVICES INC O/A TRIMAC TRANSPORTATION SERVICES LIMITED	PARTNERSHIP 2231 WYECROFT RD OAKVILLE ON	W/246.3	2.34	132

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	DTNK	BULK SYSTEMS DIVISION OF CANADIAN PACIFIC EXPRESS & TRA	2231 WYECROFT RD OAKVILLE ON	W/246.3	2.34	132
14	DTNK	BULK SYSTEMS DIVISION OF CANADIAN PACIFIC EXPRESS & TRA	2231 WYECROFT RD OAKVILLE ON	W/246.3	2.34	133
14	DTNK	C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W/246.3	2.34	134
14	DTNK	C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W/246.3	2.34	134
14	DTNK	C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W/246.3	2.34	135
14	GEN	Tankmart Parts & Service	2231 Wycroft Road Oakville ON L6L 5L7	W/246.3	2.34	136
14	GEN	Tankmart Parts & Service	2231 Wycroft Road Oakville ON L6L 5L7	W/246.3	2.34	136
14	GEN	Tankmart Parts & Service	2231 Wycroft Road Oakville ON L6L 5L7	W/246.3	2.34	136
14	GEN	Tankmart Parts & Service	2231 Wycroft Road Oakville ON L6L 5L7	W/246.3	2.34	137
14	GEN	Tankmart Parts & Service	2231 Wycroft Road Oakville ON	W/246.3	2.34	137
14	GEN	Tankmart Parts & Service	2231 Wycroft Road Oakville ON L6L 5L7	W/246.3	2.34	138

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 8 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2212 Wyecroft Road Oakville ON L6L 6R1	W	179.98	<u>8</u>
Ontario Auto Collision Carstar - Oakville	2212 Wyecroft Road Vaughan ON	W	179.98	<u>8</u>
Ropak Canada Inc.	2240 Wyecroft Road Oakville ON L6L 6M1	WSW	201.39	<u>9</u>
WESTSUN SCENIC EDGE INC.	2139 WYECROFT ROAD OAKVILLE ON L6L 5L7	NNW	242.58	<u>12</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kencro Chemicals Limited	2172 Wyecroft Rd Oakville ON L6L 6R1	-	0.00	<u>1</u>
	2172 Wyecroft Road, Unit #24 Oakville ON L6L 6R1	-	0.00	<u>1</u>
Kencro Chemicals Limited	2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	-	0.00	<u>1</u>
Genieye Systems Inc.	2172 Wyecroft Road Oakville ON L6L 6R1	-	0.00	<u>1</u>

CHM - Chemical Register

A search of the CHM database, dated 1999-Oct 31, 2023 has found that there are 3 CHM site(s) within approximately 0.25 kilometers

of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
KENCRO CHEMICALS LTD	2192 WYECROFT OAKVILLE ON L6L5V6	WNW	156.81	6

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
KENCRO CHEMICALS LIMITED	2172 WYECROFT OAKVILLE ON L6L 6R1	-	0.00	1
NEWBURGH	2172 WYECROFT RD OAKVILLE ON L6L 6R1	-	0.00	1

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Oct 2023 has found that there are 8 DTNK site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W	246.28	14
C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W	246.28	14
TRIMAC TRANSPORTATION SERVICES INC O/A TRIMAC TRANSPORTATION SERVICES LIMITED	PARTNERSHIP 2231 WYECROFT RD OAKVILLE ON	W	246.28	14
C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W	246.28	14
BULK SYSTEMS DIVISION OF CANADIAN PACIFIC EXPRESS & TRA	2231 WYECROFT RD OAKVILLE ON	W	246.28	14
C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W	246.28	14

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
C P BULK SYSTEMS	2231 WYECROFT RD OAKVILLE ON	W	246.28	14
BULK SYSTEMS DIVISION OF CANADIAN PACIFIC EXPRESS & TRA	2231 WYECROFT RD OAKVILLE ON	W	246.28	14

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Jan 31, 2024 has found that there are 3 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CLOVERDALE DISPOSAL LTD.	2182 Wycroft RD Oakville ON L6L 5V6	WNW	146.41	4
1140538 ONTARIO INC	2212 WYECROFT RD OAKVILLE ON L6L 5V6	W	179.98	8

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
2540816 ONTARIO INC.	2172 WYECROFT RD OAKVILLE ON L6L 6R1	-	0.00	1

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Feb 29, 2024 has found that there are 9 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kencro Chemicals Limited	2192 Wycroft Road Oakville, Regional Municipality of Halton L6L 5V6 TOWN OF OAKVILLE ON	WNW	156.81	6
1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville	2212 Wycroft Road Vaughan Ontario L4K 2N6 Vaughan ON	W	179.98	8

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ropak Canada Inc.	2240 Wyecroft Road Oakville, Regional Municipality of Halton L6L 6M1 TOWN OF OAKVILLE ON	WSW	201.39	<u>9</u>
Ropak Canada Inc.	2240 Wyecroft Road Oakville Ontario L6L 6M1 Oakville ON	WSW	201.39	<u>9</u>
Ropak Canada Inc.	2240 Wyecroft Road Oakville Regional Municipality of Halton L6L 6M1 TOWN OF OAKVILLE ON	WSW	201.39	<u>9</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Jolly & Associates Consultants Inc.	2172 Wyecroft Road, Unit #24 Oakville Ontario Oakville ON	-	0.00	<u>1</u>
Kencro Chemicals Limited	2172 Wyecroft Road, Unit #4 Oakville Ontario L6L 5V6 Oakville ON	-	0.00	<u>1</u>
Genieye Systems Inc.	2172 Wyecroft Road Suite 14-15 Oakville Ontario L6L 6R1 Oakville ON	-	0.00	<u>1</u>
Kencro Chemicals Limited	2172 Wyecroft Road Unit 4 Oakville, Regional Municipality of Halton L6L 5V6 TOWN OF OAKVILLE ON	-	0.00	<u>1</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jan 31, 2024 has found that there are 9 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kencro Chemicals Limited	2192 Wyecroft Rd Oakville ON L6L 6R1	WNW	156.81	<u>6</u>
1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville	2212 Wyecroft Road Vaughan ON L4K 2N6	W	179.98	<u>8</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
1140538 Ontario Inc.	2212 Wycroft Road Oakville ON L6L 5V6	W	179.98	<u>8</u>
Ropak Canada Inc.	2240 Wycroft Road Oakville ON L6L 6M1	WSW	201.39	<u>9</u>
Ropak Canada Inc.	2240 Wycroft Rd Oakville ON L6L 6M1	WSW	201.39	<u>9</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kencro Chemicals Limited	2172 Wycroft Road, Unit #4 Oakville ON L6L 5V6	-	0.00	<u>1</u>
Genieye Systems Inc.	2172 Wycroft Road Oakville ON L6L 6R1	-	0.00	<u>1</u>
Jolly & Associates Consultants Inc.	2172 Wycroft Rd Oakville ON L0P 1B0	-	0.00	<u>1</u>
Kencro Chemicals Limited	2172 Wycroft Rd Oakville ON L6L 5V6	-	0.00	<u>1</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Dec 31, 2023 has found that there are 29 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.85	<u>7</u>
	2212 Wycroft Rd Oakville ON L6L6R1	W	179.98	<u>8</u>
	2240 Wycroft Road Oakville ON L6L 6M1	WSW	201.39	<u>9</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2240 Wyecroft Oakville ON L6L 6M1	WSW	201.39	<u>9</u>
	2240 Wyecroft Road Oakville ON L6L 6M1	WSW	201.39	<u>9</u>
	2240 wyecroft road Oakville ON L6L 6M1	WSW	201.39	<u>9</u>
	2240 Wyecroft Road Oakville ON	WSW	201.39	<u>9</u>
	2240 Wyecroft Road Oakville ON	WSW	201.39	<u>9</u>
	2240 wyecroft road Oakville ON L6L 6M1	WSW	201.39	<u>9</u>
	2240 wyecroft road Oakville ON L6L 6M1	WSW	201.39	<u>9</u>
	2240 Wyecroft Road Oakville ON	WSW	201.39	<u>9</u>
	2240 Wyecroft Road Oakville ON	WSW	201.39	<u>9</u>
	2240 wyecroft road Oakville ON L6L 6M1	WSW	201.39	<u>9</u>
	2195 Wyecroft Oakville ON	WNW	201.60	<u>10</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2139 Wycroft Road Oakville ON L6L 5L7	NNW	242.58	<u>12</u>
	2139 Wycroft Road Oakville ON L6L 5L7	NNW	242.58	<u>12</u>
	2139 Wycroft Road Oakville ON L6L 5L7	NNW	242.58	<u>12</u>
	2139 Wycroft Road Oakville ON L6L 5L7	NNW	242.58	<u>12</u>
	2139 Wycroft Road Oakville ON L6L 5L7	NNW	242.58	<u>12</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2172 Wycroft Road Oakville ON L6L 6R1	-	0.00	<u>1</u>
	2172 Wycroft Road Oakville ON L6L 6R1	-	0.00	<u>1</u>
	2172 Wycroft Rd Oakville ON L6L6R1	-	0.00	<u>1</u>
	2172 Wycroft Road Oakville ON L6L 6R1	-	0.00	<u>1</u>
	2172 Wycroft Road Oakville ON L6L 6R1	-	0.00	<u>1</u>
	2172 Wycroft Road Oakville ON L6L 6R1	-	0.00	<u>1</u>

2172 Wycroft Road Oakville ON L6L 6R1	-	0.00	1
2104 Wycroft Rd Oakville ON L6L5V6	ENE	112.65	2
2189 Speers Road Oakville ON	SE	244.12	13
2189 Speers Road Oakville ON L6L 2X9	SE	244.12	13

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 87 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON	WNW	156.81	6
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON	WNW	156.81	6
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.81	6
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.81	6
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.81	6
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.81	6
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.81	6

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.81	<u>6</u>
Kencro Chemicals Ltd.	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.81	<u>6</u>
O.H. MATERIALS OF CANADA LTD.	2192 WYECROFT ROAD P.O BOX 7010 OAKVILLE ON L6L 6R1	WNW	156.85	<u>7</u>
O.H. MATERIALS OF CANADA LTD. 29-431	2192 WYECROFT ROAD P.O BOX 7010 OAKVILLE ON L6L 6R1	WNW	156.85	<u>7</u>
MTM Steel Processing Inc	2192 Wycroft Road Oakville ON L6L 6R1	WNW	156.85	<u>7</u>
969452 ONTARIO LIMITED	2192 WYECROFT RD OAKVILLE ON L6L 6R1	WNW	156.85	<u>7</u>
TRUBOY FREIGHT INT. INC.	2212 WYECROFT ROAD UNIT 7 OAKVILLE ON L6L 6R1	W	179.98	<u>8</u>
721320 ONTARIO LTD.	O/A STEVE'S EXCAVATING 2212 WYECROFT ROAD, UNIT #5 OAKVILLE ON L6L 6R1	W	179.98	<u>8</u>
TRUBOY FREIGHT INT. INC.	2212 WYECROFT ROAD, UNIT 7 OAKVILLE ON L6L 5V6	W	179.98	<u>8</u>
721320 ONTARIO LTD (OUT OF BUSINESS)	O/A STEVE'S EXCAVATING 2212 WYECROFT ROAD, UNIT #5 OAKVILLE ON L6L 6R1	W	179.98	<u>8</u>
TRUBOY FREIGHT INTERNATIONAL INC.	2212 WYECROFT ROAD, UNIT 7 OAKVILLE ON L6L 5V6	W	179.98	<u>8</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
721320 ONTARIO LTD (OUT OF BUSINESS)	2212 WYECROFT ROAD, UNIT 5 OAKVILLE ON L6L 6R1	W	179.98	<u>8</u>
Big Iron Diesel Inc	2212 Wyecroft Rd Unit 8 oakville ON L6L6R1	W	179.98	<u>8</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON	WSW	201.39	<u>9</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC.	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC. OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ROPAK CANADA INC. OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC. OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
ROPAK CANADA INC. OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>
THERMADYNE CANADA 30-168	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW	240.53	<u>11</u>
THERMADYNE CANADA	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW	240.53	<u>11</u>
THERMADYNE CANADA	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW	240.53	<u>11</u>
THERMADYNE CANADA	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW	240.53	<u>11</u>
PALCO WELDING PRODUCTS CANADA LTD.	2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	WSW	240.53	<u>11</u>
WESTSUN SCENIC EDGE INC.	2139 WYECROFT ROAD OAKVILLE ON L6L 5L7	NNW	242.58	<u>12</u>
Agfa Inc.	2139 Wynecroft Road Oakville ON L6L 5L7	NNW	242.58	<u>12</u>
Shuttle Express Inc.	2139 Wynecroft Rd. Oakville ON L6L 5L7	NNW	242.58	<u>12</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Shuttle Express Inc.	2139 Wynecroft Rd. Oakville ON L6L 5L7	NNW	242.58	12
BULK SYSTEMS	C.P. EXPRESS & TRANSPORT, DIV. OF 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W	246.28	14
BULK SYSTEMS 06-119	C.P. EXPRESS & TRANSPORT, DIV. OF 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W	246.28	14
LEVY TRANSPORT LTD.	2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W	246.28	14
MONTGOMERY TANK LINES ALSO	2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W	246.28	14
MONTGOMERY (OUT OF BUSINESS)	2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	W	246.28	14
Tankmart Parts & service	2231 Wynecroft Road Oakville ON L6L 5L7	W	246.28	14
Tankmart Parts & Service	2231 Wynecroft Road Oakville ON L6L 5L7	W	246.28	14
Tankmart Parts & Service	2231 Wynecroft Road Oakville ON L6L 5L7	W	246.28	14
Tankmart Parts & Service	2231 Wynecroft Road Oakville ON L6L 5L7	W	246.28	14
Tankmart Parts & Service	2231 Wynecroft Road Oakville ON L6L 5L7	W	246.28	14
Tankmart Parts & Service	2231 Wynecroft Road Oakville ON L6L 5L7	W	246.28	14
Tankmart Parts & Service	2231 Wynecroft Road Oakville ON	W	246.28	14

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Tankmart Parts & Service	2231 Wyecroft Road Oakville ON L6L 5L7	W	246.28	14

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
HMS EQUIPMENT SALES	2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	-	0.00	1
HMS (OUT OF BUS) 20-265	2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	-	0.00	1
HMS EQUIPMENT SALES 20-265	2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	-	0.00	1
MASTER-DYNE LIMITED 26-982	2172 WYECROFT ROAD, UNIT #3 OAKVILLE ON L6L 6R1	-	0.00	1
AUTO PRO COLLISION AND RESTORATION	2172 WYECROFT ROAD, UNIT 18 OAKVILLE ON L6L 6R1	-	0.00	1
HAGER	2172 WYECROFT ROAD, UNIT 25 OAKVILLE ON L6L 5V6	-	0.00	1
MASTER-DYNE LIMITED	2172 WYECROFT ROAD, UNIT 3 OAKVILLE ON L6L 5V6	-	0.00	1
United Building Investments No. 6 Limited	2172 Wyecroft Road, Unit 6 Oakville ON L6L 6R1	-	0.00	1
Bezemer Services	2172 Wyecroft Road Oakville ON L6L 6R1	-	0.00	1
Filter Solutions Inc	2172 Wyecroft Road #21 Oakville ON L6L 6R1	-	0.00	1

Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 6R1	-	0.00	1
Kencro Chemcials Limited	2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	-	0.00	1
Bezemer Services	2172 Wyecroft Road Oakville ON L6L 6R1	-	0.00	1
Filter Solutions Inc	2172 Wyecroft Road #21 Oakville ON L6L 6R1	-	0.00	1
Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 6R1	-	0.00	1
Kencro Chemcials Limited	2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	-	0.00	1
Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 6R1	-	0.00	1
Filter Solutions Inc	2172 Wyecroft Road #21 Oakville ON L6L 6R1	-	0.00	1
Bezemer Services	2172 Wyecroft Road Oakville ON L6L 6R1	-	0.00	1
Kencro Chemcials Limited	2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	-	0.00	1
Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON L6L 6R1	-	0.00	1
Macmillan Machining Inc.	9-2172 Wyecroft Rd - Oakville ON	-	0.00	1

Alome Finishing	2172 Wycroft Road, Unit 10-11 Oakville ON L6L 6R1	-	0.00	1
Macmillan Machining Inc.	9-2172 Wycroft Rd - Oakville ON L6L 1V6	-	0.00	1
Macmillan Machining Inc.	9-2172 Wycroft Rd - Oakville ON L6L 1V6	-	0.00	1
Macmillan Machining Inc.	9-2172 Wycroft Rd - Oakville ON L6L 1V6	-	0.00	1
Macmillan Machining Inc.	9-2172 Wycroft Rd - Oakville ON L6L 1V6	-	0.00	1
Alome Finishing	2172 Wycroft Road, Unit 10-11 Oakville ON L6L 6R1	-	0.00	1
Alome Finishing	2172 Wycroft Road, Unit 10-11 Oakville ON L6L 6R1	-	0.00	1
2540816 ONTARIO INC ALOME FINISHING 2540816 ONTARIO INC ALOME FINISHING	2172 Wycroft Road, Unit 10-11 Oakville ON L6L 6R1	-	0.00	1
KGO GROUP LTD	2172 Wycroft Rd., Unit 4 & 5 OAKVILLE ON L6L6R1	-	0.00	1
2540816 ONTARIO INC ALOME FINISHING 2540816 ONTARIO INC ALOME FINISHING	2172 Wycroft Road, Unit 10-11 Oakville ON L6L 6R1	-	0.00	1
KGO GROUP LTD	2172 Wycroft Rd., Unit 4 & 5 OAKVILLE ON L6L6R1	-	0.00	1

NPR2 - National Pollutant Release Inventory 1993-2020

A search of the NPR2 database, dated Sep 2020 has found that there are 1 NPR2 site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ROPAK - OAKVILLE	2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	WSW	201.39	<u>9</u>

NPRI - National Pollutant Release Inventory - Historic

A search of the NPRI database, dated 1993-May 2017 has found that there are 1 NPRI site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ROPAK PACKAGING	2240 Wycroft road Oakville ON L6L6M1	WSW	201.39	<u>9</u>

PES - Pesticide Register

A search of the PES database, dated Oct 2011- Jan 31, 2024 has found that there are 16 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
KENCRO CHEMICALS LIMITED	2192 WYECROFT RD OAKVILLE ON L6L6R1	WNW	156.81	<u>6</u>
BRISCOFF LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W	179.98	<u>8</u>
BRISCOFF LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W	179.98	<u>8</u>
BRISCOFF LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W	179.98	<u>8</u>
BRISCOFF LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W	179.98	<u>8</u>
BRISCOFF LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W	179.98	<u>8</u>
BRISCOFF LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W	179.98	<u>8</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BRISCOTT LANDSCAPING	2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	W	179.98	8

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TRUGREEN LAWN CARE/ K-TON PROPERTIES & DEVELOP. INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L1R6	-	0.00	1
TRUGREEN LAWN CARE/ K-TON PROPERTIES & DEVELOP. INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 1R6	-	0.00	1
THE TREE SPECIALISTS INC	2172 WYECROFT RD UNIT 16 OAKVILLE ON L6L 6R1	-	0.00	1
THE TREE SPECIALISTS INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	-	0.00	1
TRUGREEN LAWN CARE/ K-TON PROPERTIES & DEVELOP. INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	-	0.00	1
TRUGREEN LAWN CARE	2172 WYECROFT RD UNIT 16 OAKVILLE ON L6L 6R1	-	0.00	1
TRUGREEN LAWN CARE/ K-TON PROPERTIES & DEVELOP. INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L1R6	-	0.00	1
THE TREE SPECIALISTS INC	2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	-	0.00	1

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Feb 2024 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ALL-MAR DEVELOPMENTS LIMITED	2195 WYECROFT RD ON OAKVILLE ON	WNW	201.60	10

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 20 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
New West Gypsum Recycling	2182 Wycroft Rd Oakville ON L6L 6R1	WNW	146.41	4
Cyltron Industries Limited	2192 Wycroft Rd Oakville ON L6L 6R1	WNW	156.85	7
Acme Saw Ltd.	2192 Wycroft Rd Oakville ON L6L 6R1	WNW	156.85	7
MTM Steel Processing Inc.	2192 Wycroft Rd Oakville ON L6L 6R1	WNW	156.85	7
ACME SAW LIMITED	2192 WYECROFT RD OAKVILLE ON L6L 6R1	WNW	156.85	7
GABRIEL TRANSMISSIONS INC.	2212 Wycroft Rd Oakville ON L6L 6R1	W	179.98	8
Ropak Canada Inc.	2240 Wycroft Rd Oakville ON L6L 6M1	WSW	201.39	9
THERMADYNE WELDING PRODUCTS	2220 WYECROFT RD OAKVILLE ON L6L 5V6	WSW	240.53	11

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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AJS Woodworking Ltd.	2172 Wycroft Rd Unit 11-12 Oakville ON L6L 6R1	-	0.00	1
World of Lights LED Solutions	2172 Wycroft Rd Unit 7 Oakville ON L6L 6R1	-	0.00	1
CDC Contract Drapery Co. Ltd.	2172 Wycroft Rd Unit 8 Oakville ON L6L 6R1	-	0.00	1
Metalsmiths Co. Ltd.	2172 Wycroft Rd Unit 5 Oakville ON L6L 6R1	-	0.00	1
Metalsmiths	2172 Wycroft St Unit 5 Oakville ON L6L 6R1	-	0.00	1
Norseman Steel Fabricators Ltd.	2172 Wycroft Rd Unit 20 Oakville ON L6L 6R1	-	0.00	1
Hydratech Machine & Eng. Ltd.	2172 Wycroft Rd Unit 9 Oakville ON L6L 6R1	-	0.00	1
NICHOLSON CHEMICAL INC.	2172 Wycroft Rd Unit 18 Oakville ON L6L 6R1	-	0.00	1
MASTER DYNE LTD.	2172 WYECROFT RD OAKVILLE ON L6L 6R1	-	0.00	1
NORSEMAN STEEL FABRICATORS LTD	2172 WYECROFT RD UNIT 20 OAKVILLE ON L6L 6R1	-	0.00	1
NICHOLSON CHEMICAL INC.	2172 WYECROFT RD OAKVILLE ON L6L 6R1	-	0.00	1
Hydratech Machine & Eng Ltd.	2172 Wycroft Rd Unit 9 Oakville ON L6L 6R1	-	0.00	1

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jan 2023; Mar 2023-Dec 2023 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE OWNER	2192 WYCROFT STORAGE TANK/BARREL OAKVILLE TOWN ON	WNW	156.81	<u>6</u>
Kencro Chemicals Limited	2192 Wycroft Rd Oakville ON L6L 5V6	WNW	156.81	<u>6</u>
CONSTRUCTION COMPANY	REAR OF 2212 WYECROFT ROAD MOTOR VEHICLE (OPERATING FLUID) OAKVILLE TOWN ON L6L 6R1	W	179.98	<u>8</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2172 Wycroft Rd, Oakville ON OAKVILLE ON	-	0.00	<u>1</u>

WDS - Waste Disposal Sites - MOE CA Inventory

A search of the WDS database, dated Oct 2011-Jan 31, 2024 has found that there are 2 WDS site(s) within approximately 0.25 kilometers of the project property.

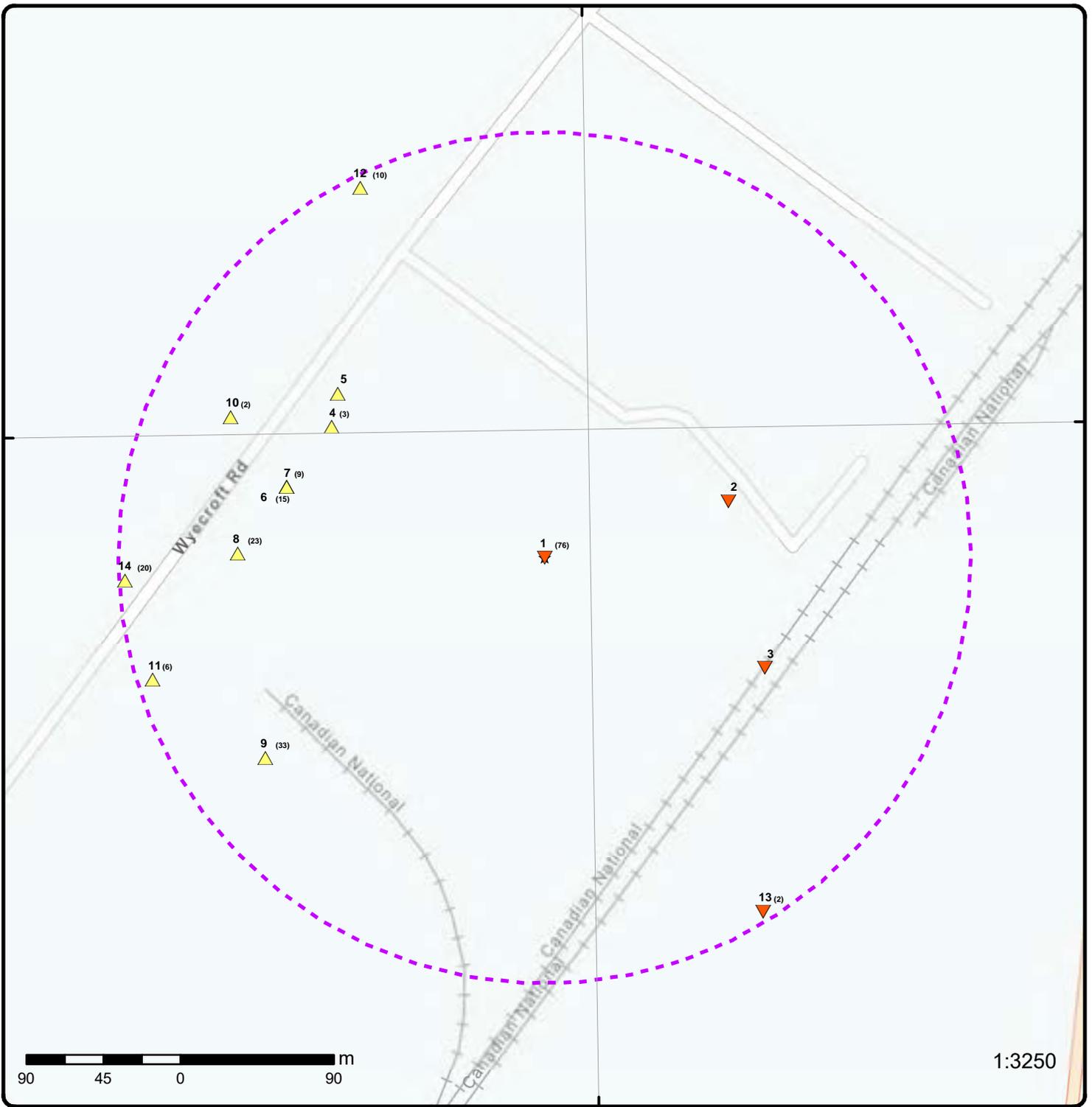
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
New West Gypsum Recycling (Ont.) Inc.	2182 Wycroft Rd Oakville ON L6L 5V6	WNW	146.41	<u>4</u>
New West Gypsum Recycling (Ont.) Inc.	2180 Wycroft Rd Oakville ON L6L 5V6	WNW	154.71	<u>5</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	BRONTE GO STATION Oakville ON	ESE	144.42	<u>3</u>

Well ID: 7329703



Map: 0.25 Kilometer Radius

Order Number: 24040300684

Address: 2172 Wyecroft Road, Oakville, ON

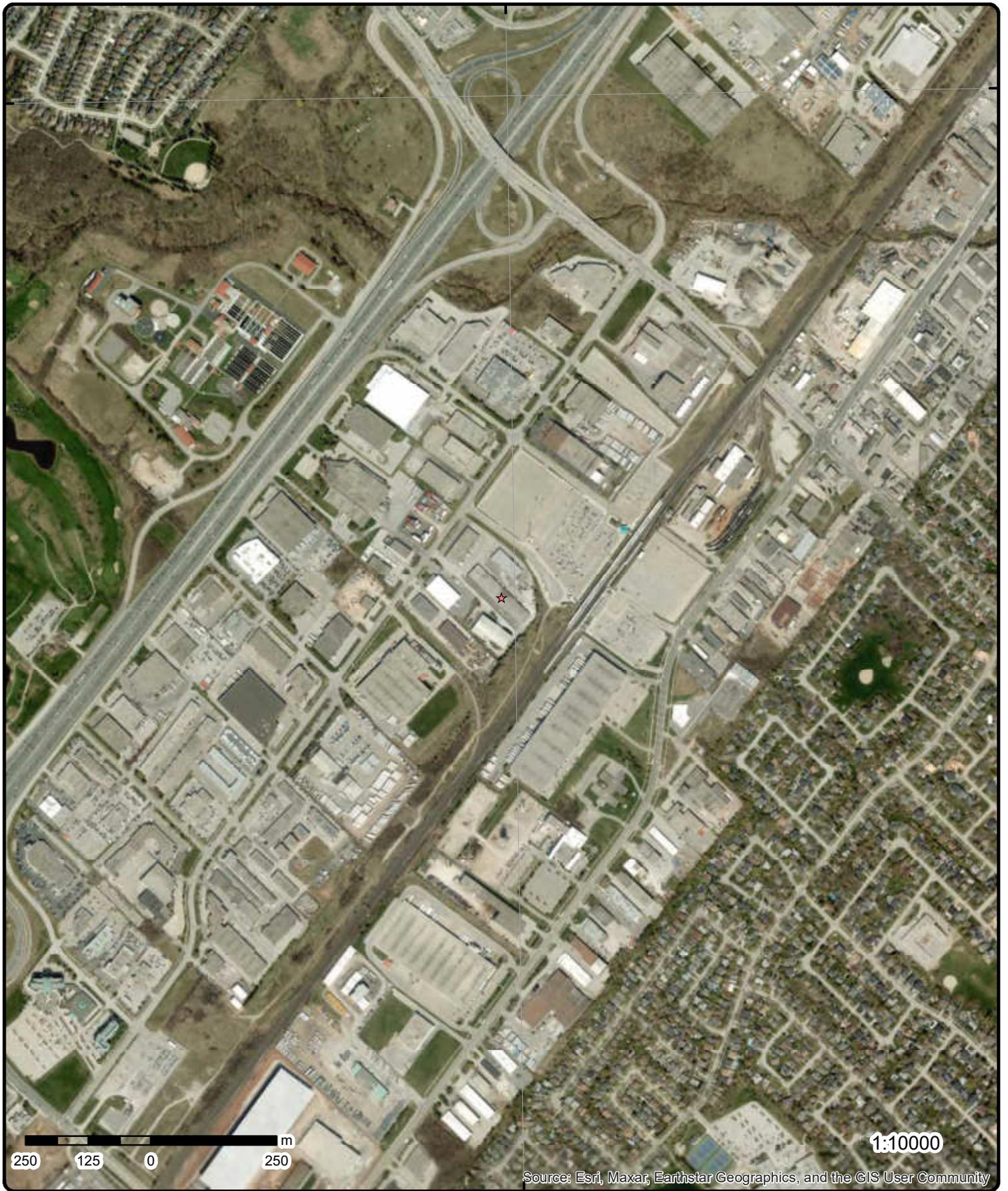


★ Project Property	Freeways; Highways	Beach	Shopping & Sports Area
⬡ Buffer Outline	Traffic Circle; Ramp	Airport	University/College
▲ Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
■ Eris Sites with Same Elevation	Local Road	Military Base	Park (National)
▼ Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
○ Eris Sites with Unknown Elevation	Rail	Native Reservation	
		Hospital	

79°43'30"W

43°25'30"N

43°25'30"N



Aerial Year: 2023

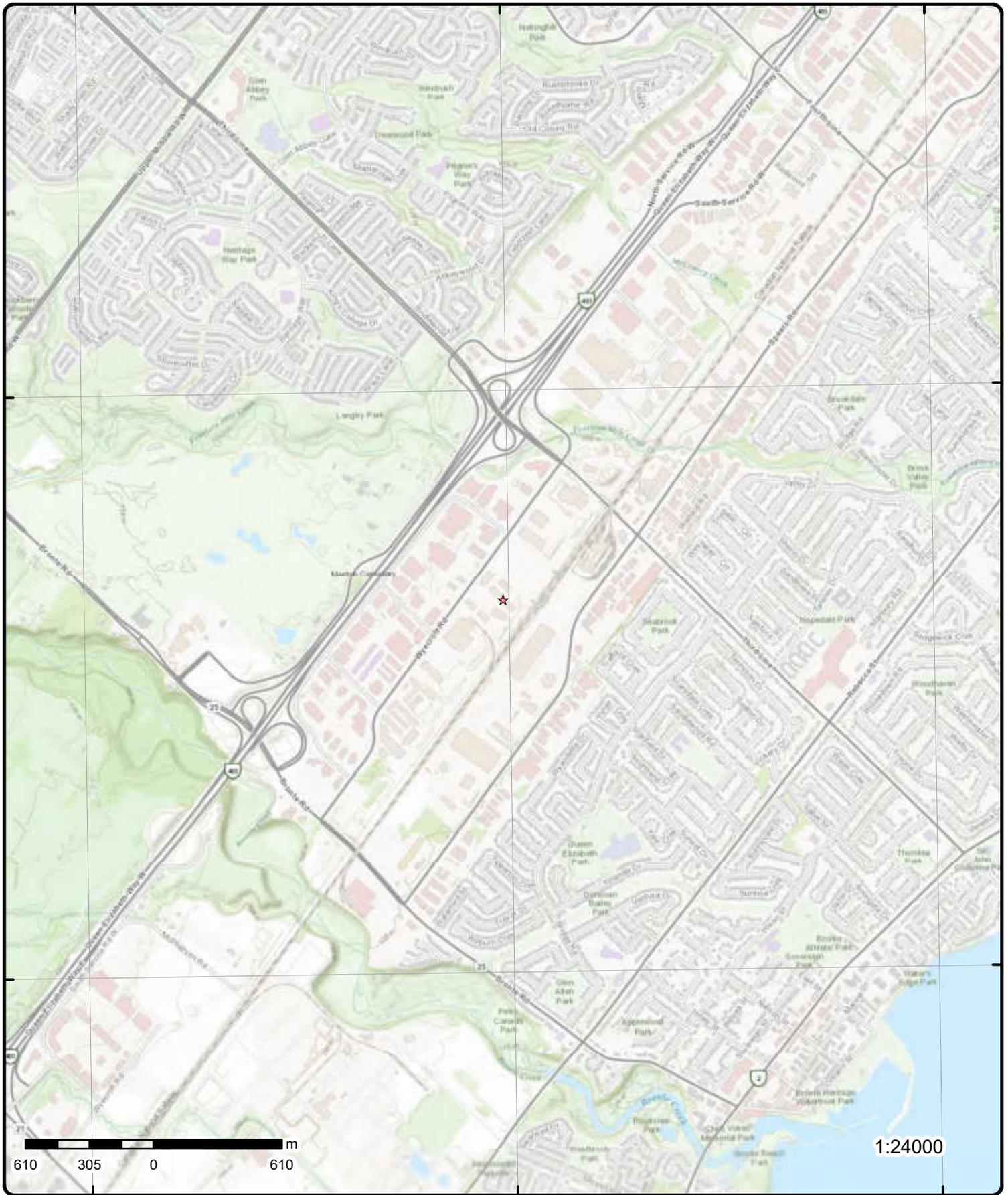
Order Number: 24040300684

Address: 2172 Wyecroft Road, Oakville, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Address: 2172 Wyecroft Road, ON

Source: ESRI World Topographic Map

Order Number: 24040300684



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 76	-/0.0	105.4 / -0.09	NICHOLSON CHEMICAL INC. 2172 WYECROFT RD OAKVILLE ON L6L 6R1	SCT
Established:		0000			
Plant Size (ft²):		2750			
Employment:		1			
--Details--					
Description:		Other Petroleum and Coal Products Manufacturing			
SIC/NAICS Code:		324190			
Description:		Soap and Cleaning Compound Manufacturing			
SIC/NAICS Code:		325610			
<u>1</u>	2 of 76	-/0.0	105.4 / -0.09	Hydratech Machine & Eng Ltd. 2172 Wyecroft Rd Unit 9 Oakville ON L6L 6R1	SCT
Established:		01-JAN-83			
Plant Size (ft²):		5000			
Employment:					
--Details--					
Description:		Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance			
SIC/NAICS Code:		811310			
Description:		Metal Valve Manufacturing			
SIC/NAICS Code:		332910			
Description:		All Other General-Purpose Machinery Manufacturing			
SIC/NAICS Code:		333990			
<u>1</u>	3 of 76	-/0.0	105.4 / -0.09	NORSEMAN STEEL FABRICATORS LTD 2172 WYECROFT RD UNIT 20 OAKVILLE ON L6L 6R1	SCT
Established:		1980			
Plant Size (ft²):		6000			
Employment:		6			
--Details--					
Description:		FABRICATED METAL PRODUCTS, NOT ELSEWHERE CLASSIFIED			
SIC/NAICS Code:		3499			
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
SIC/NAICS Code:		332999			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	4 of 76	-0.0	105.4 / -0.09	NEWBURGH 2172 WYECROFT RD OAKVILLE ON L6L 6R1	CHM
Headcode:		273600			
Headcode Desc:					
Phone:		9058475665			
List Name:					
Description:					
<u>1</u>	5 of 76	-0.0	105.4 / -0.09	MASTER DYNE LTD. 2172 WYECROFT RD OAKVILLE ON L6L 6R1	SCT
Established:		1974			
Plant Size (ft²):		5000			
Employment:		11			
--Details--					
Description:		COMMERCIAL EQUIPMENT, N.E.C.			
SIC/NAICS Code:		5046			
Description:		HARDWARE			
SIC/NAICS Code:		5072			
Description:		INDUSTRIAL MACHINERY & EQUIPMENT			
SIC/NAICS Code:		5084			
Description:		INDUSTRIAL SUPPLIES			
SIC/NAICS Code:		5085			
<u>1</u>	6 of 76	-0.0	105.4 / -0.09	NICHOLSON CHEMICAL INC. 2172 Wycroft Rd Unit 18 Oakville ON L6L 6R1	SCT
Established:		1993			
Plant Size (ft²):		3000			
Employment:		1			
--Details--					
Description:		Other Petroleum and Coal Products Manufacturing			
SIC/NAICS Code:		324190			
Description:		Soap and Cleaning Compound Manufacturing			
SIC/NAICS Code:		325610			
Description:		All Other Miscellaneous Chemical Product Manufacturing			
SIC/NAICS Code:		325999			
<u>1</u>	7 of 76	-0.0	105.4 / -0.09	Hydratech Machine & Eng. Ltd. 2172 Wycroft Rd Unit 9 Oakville ON L6L 6R1	SCT
Established:		1983			
Plant Size (ft²):		5000			
Employment:		9			
--Details--					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance			
SIC/NAICS Code:		811310			
<u>1</u>	8 of 76	-/0.0	105.4 / -0.09	Norseman Steel Fabricators Ltd. 2172 Wyecroft Rd Unit 20 Oakville ON L6L 6R1	SCT
Established:		1980			
Plant Size (ft²):		6000			
Employment:		6			
<u>1</u>	9 of 76	-/0.0	105.4 / -0.09	Metalsmiths 2172 Wyecroft St Unit 5 Oakville ON L6L 6R1	SCT
Established:		1926			
Plant Size (ft²):		24000			
Employment:		5			
--Details--					
Description:		Office Furniture (except Wood) Manufacturing			
SIC/NAICS Code:		337214			
<u>1</u>	10 of 76	-/0.0	105.4 / -0.09	KENCRO CHEMICALS LIMITED 2172 WYECROFT OAKVILLE ON L6L 6R1	CHM
Headcode:		00273600			
Headcode Desc:		CHEMICALS			
Phone:					
List Name:					
Description:					
<u>1</u>	11 of 76	-/0.0	105.4 / -0.09	2172 Wyecroft Road, Unit #24 Oakville ON L6L 6R1	CA
Certificate #:		8711-4PEL79			
Application Year:		00			
Issue Date:		9/25/00			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		New Certificate of Approval			
Client Name:		Jolly & Associates Consultants Inc.			
Client Address:		5360 Cedar Springs Road, RR #3			
Client City:		Campbellville			
Client Postal Code:		L0P 1B0			
Project Description:		This application is for one evaporator fired by natural gas, discharging water vapour and nitrogen oxides to atmosphere.			
Contaminants:					
Emission Control:					
<u>1</u>	12 of 76	-/0.0	105.4 / -0.09	Jolly & Associates Consultants Inc. 2172 Wyecroft Road, Unit #24 Oakville Ontario Oakville ON	EBR

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
EBR Registry No:	IA00E0831			Decision Posted:	
Ministry Ref No:	0317-4KCKDK			Exception Posted:	
Notice Type:	Instrument Decision			Section:	
Notice Stage:				Act 1:	
Notice Date:	September 26, 2000			Act 2:	
Proposal Date:	May 15, 2000			Site Location Map:	
Year:	2000				
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)				
Off Instrument Name:					
Posted By:					
Company Name:	Jolly & Associates Consultants Inc.				
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:	5360 Cedar Springs Road, RR #3, Campbellville Ontario, L0P 1B0				
Comment Period:					
URL:					
Site Location Details:					
2172 Wyecroft Road, Unit #24 Oakville Ontario Oakville					

<u>1</u>	13 of 76	-/0.0	105.4 / -0.09	Metalsmiths Co. Ltd. 2172 Wyecroft Rd Unit 5 Oakville ON L6L 6R1	SCT
Established:	1926				
Plant Size (ft²):	24000				
Employment:	5				
--Details--					
Description:	Office Furniture (except Wood) Manufacturing				
SIC/NAICS Code:	337214				

<u>1</u>	14 of 76	-/0.0	105.4 / -0.09	Kencro Chemicals Limited 2172 Wyecroft Road, Unit #4 Oakville Ontario L6L 5V6 Oakville ON	EBR
EBR Registry No:	IA02E1273			Decision Posted:	
Ministry Ref No:	6172-5BHRD4			Exception Posted:	
Notice Type:	Instrument Decision			Section:	
Notice Stage:				Act 1:	
Notice Date:	December 10, 2002			Act 2:	
Proposal Date:	October 16, 2002			Site Location Map:	
Year:	2002				
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)				
Off Instrument Name:					
Posted By:					
Company Name:	Kencro Chemicals Limited				
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:	2172 Wyecroft Road, Unit #4, Oakville Ontario, L6L 5V6				
Comment Period:					
URL:					
Site Location Details:					
2172 Wyecroft Road, Unit #4 Oakville Ontario L6L 5V6 Oakville					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	15 of 76	-/0.0	105.4 / -0.09	TRUGREEN LAWN CARE 2172 WYECROFT RD UNIT 16 OAKVILLE ON L6L 6R1	PES
Detail Licence No:	02-01-04267-0			Operator Box:	
Licence No:	04267			Operator Class:	
Status:				Operator No:	4267
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	Operator			Oper Phone No:	
Licence Type Code:	02			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:	0			Oper Concession:	
Latitude:				Operator Region:	3
Longitude:				Operator District:	
Lot:				Operator County:	28
Concession:				Op Municipality:	
Region:	3			Post Office Box:	
District:				MOE District:	
County:	28			SWP Area Name:	
Trade Name:					
PDF URL:					
<u>1</u>	16 of 76	-/0.0	105.4 / -0.09	THE TREE SPECIALISTS INC 2172 WYECROFT RD UNIT 16 OAKVILLE ON L6L 6R1	PES
Detail Licence No:	02-01-05454-0			Operator Box:	
Licence No:	05454			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	Operator			Oper Phone No:	
Licence Type Code:	02			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:	0			Oper Concession:	
Latitude:				Operator Region:	3
Longitude:				Operator District:	
Lot:				Operator County:	28
Concession:				Op Municipality:	
Region:	3			Post Office Box:	
District:				MOE District:	
County:	28			SWP Area Name:	
Trade Name:					
PDF URL:					
<u>1</u>	17 of 76	-/0.0	105.4 / -0.09	HMS EQUIPMENT SALES 2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	GEN
Generator No:	ON0957200				
SIC Code:	0000				
SIC Description:	*** NOT DEFINED ***				
Approval Years:	86,87,88,89,90				
PO Box No:					
Country:					
Status:					
Co Admin:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>1</u>	18 of 76	-/0.0	105.4 / -0.09	HMS (OUT OF BUS) 20-265 2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON0957200			
SIC Code:		3199			
SIC Description:		OTHER MACHINERY			
Approval Years:		92,93,95,96,97,98			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>1</u>	19 of 76	-/0.0	105.4 / -0.09	HMS EQUIPMENT SALES 20-265 2172 WYECROFT RD #16 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON0957200			
SIC Code:		3199			
SIC Description:		OTHER MACHINERY			
Approval Years:		94			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		252			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>1</u>	20 of 76	-/0.0	105.4 / -0.09	MASTER-DYNE LIMITED 26-982 2172 WYECROFT ROAD, UNIT #3 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON1636700			
SIC Code:		5731			
SIC Description:		IND. MACHINERY, WH.			
Approval Years:		92,93,94,95,96,97,98			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>1</u>	21 of 76	-/0.0	105.4 / -0.09	AUTO PRO COLLISION AND RESTORATION 2172 WYECROFT ROAD, UNIT 18 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON1824300			
SIC Code:		6352			
SIC Description:		PAINT/BODY REPAIR			
Approval Years:		93,94,95,96,97,98			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
<u>1</u>	22 of 76	-/0.0	105.4 / -0.09	HAGER 2172 WYECROFT ROAD, UNIT 25 OAKVILLE ON L6L 5V6	GEN
Generator No:		ON2295100			
SIC Code:		9999			
SIC Description:		OTHER SERVICES			
Approval Years:		97,98,99,00,01			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		241			
Waste Class Name:		HALOGENATED SOLVENTS			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>1</u>	23 of 76	-/0.0	105.4 / -0.09	MASTER-DYNE LIMITED 2172 WYECROFT ROAD, UNIT 3 OAKVILLE ON L6L 5V6	GEN
Generator No:		ON1636700			
SIC Code:		5731			
SIC Description:		IND. MACHINERY, WH.			
Approval Years:		99,00,01			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>1</u>	24 of 76	-/0.0	105.4 / -0.09	2172 Wyecroft Road Oakville ON L6L 6R1	EHS
Order No:		20050328080		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:				Client Prov/State: ON	
Report Date:		4/6/2005		Search Radius (km): 0.25	
Date Received:		3/28/2005		X: -79.726442	
Previous Site Name:				Y: 43.417087	
Lot/Building Size:					
Additional Info Ordered:					
<u>1</u>	25 of 76	-/0.0	105.4 / -0.09	CDC Contract Drapery Co. Ltd. 2172 Wyecroft Rd Unit 8 Oakville ON L6L 6R1	SCT
Established:		01-AUG-42			
Plant Size (ft²):		3000			
Employment:					
--Details--					
Description:		Blind and Shade Manufacturing			
SIC/NAICS Code:		337920			
Description:		Other Home Furnishings Wholesaler-Distributors			
SIC/NAICS Code:		414390			
Description:		Laminated Plastic Plate, Sheet (except Packaging), and Shape Manufacturing			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS Code:		326130			
Description:		Chemical (except Agricultural) and Allied Product Wholesaler-Distributors			
SIC/NAICS Code:		418410			
Description:		Curtain and Linen Mills			
SIC/NAICS Code:		314120			
Description:		Blind and Shade Manufacturing			
SIC/NAICS Code:		337920			
<u>1</u>	26 of 76	-/0.0	105.4 / -0.09	United Building Investments No. 6 Limited 2172 Wyecroft Road, Unit 6 Oakville ON L6L 6R1	GEN
Generator No:		ON7792624			
SIC Code:		236210			
SIC Description:		Industrial Building and Structure Construction			
Approval Years:		05			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
<u>1</u>	27 of 76	-/0.0	105.4 / -0.09	World of Lights LED Solutions 2172 Wyecroft Rd Unit 7 Oakville ON L6L 6R1	SCT
Established:		1992			
Plant Size (ft²):		3000			
Employment:					
<u>--Details--</u>					
Description:		All Other Specialty Trade Contractors			
SIC/NAICS Code:		238990			
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
Description:		Sign Manufacturing			
SIC/NAICS Code:		339950			
<u>1</u>	28 of 76	-/0.0	105.4 / -0.09	Genieye Systems Inc. 2172 Wyecroft Road Suite 14-15 Oakville Ontario L6L 6R1 Oakville ON	EBR
EBR Registry No:		IA05E1400			
Ministry Ref No:		9071-6FUQS6			
Notice Type:		Instrument Decision			
Decision Posted:					
Exception Posted:					
Section:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Notice Stage:				Act 1:	
Notice Date:	October 27, 2006			Act 2:	
Proposal Date:	September 07, 2005			Site Location Map:	
Year:	2005				
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)				
Off Instrument Name:					
Posted By:					
Company Name:	Genieye Systems Inc.				
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:	2172 Wyecroft Road , 14-15, Oakville Ontario, L6L 6R1				
Comment Period:					
URL:					
Site Location Details:					
2172 Wyecroft Road Suite 14-15 Oakville Ontario L6L 6R1 Oakville					

<u>1</u>	29 of 76	-0.0	105.4 / -0.09	TRUGREEN LAWN CARE/ K-TON PROPERTIES & DEVELOP. INC 2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	PES
Detail Licence No:				Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	Operator
Report Source:				Oper Area Code:	
Licence Type:				Oper Phone No:	
Licence Type Code:				Operator Ext:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					

<u>1</u>	30 of 76	-0.0	105.4 / -0.09	THE TREE SPECIALISTS INC 2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	PES
Detail Licence No:				Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	Operator
Report Source:				Oper Area Code:	
Licence Type:				Oper Phone No:	
Licence Type Code:				Operator Ext:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
District: County: Trade Name: PDF URL:				MOE District: SWP Area Name:	

<u>1</u>	31 of 76	-/0.0	105.4 / -0.09	Kencro Chemicals Limited 2172 Wyecroft Road Unit 4 Oakville, Regional Municipality of Halton L6L 5V6 TOWN OF OAKVILLE ON	EBR
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EBR Registry No: 010-8285
Ministry Ref No: 6691-7WKRN
Notice Type: Instrument Decision
Notice Stage:
Notice Date: February 02, 2010
Proposal Date: November 04, 2009
Year: 2009

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)

Off Instrument Name:

Posted By:

Company Name: Kencro Chemicals Limited

Site Address:

Location Other:

Proponent Name:

Proponent Address: 2172 Wyecroft Road , Unit 4, Oakville Ontario, Canada L6L 5V6

Comment Period:

URL:

Site Location Details:

2172 Wyecroft Road Unit 4 Oakville, Regional Municipality of Halton L6L 5V6 TOWN OF OAKVILLE

<u>1</u>	32 of 76	-/0.0	105.4 / -0.09	Bezemer Services 2172 Wyecroft Road Oakville ON L6L 6R1	GEN
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Generator No: ON4692139
SIC Code: 531390
SIC Description: Other Activities Related to Real Estate
Approval Years: 07,08

PO Box No:

Country:

Status:

Co Admin:

Choice of Contact:

Phone No Admin:

Contaminated Facility:

MHSW Facility:

Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 211
Waste Class Name: AROMATIC SOLVENTS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	33 of 76	-/0.0	105.4 / -0.09	Filter Solutions Inc 2172 Wyecroft Road #21 Oakville ON L6L 6R1	GEN
Generator No:		ON8119218			
SIC Code:		332420			
SIC Description:		Metal Tank (Heavy Gauge) Manufacturing			
Approval Years:		07,08			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>1</u>	34 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc. 9-2172 Wyecroft Rd - Oakville ON L6L 6R1	GEN
Generator No:		ON9043383			
SIC Code:		332710			
SIC Description:		Machine Shops			
Approval Years:		07,08			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>1</u>	35 of 76	-/0.0	105.4 / -0.09	Kencro Chemcials Limited 2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	GEN
Generator No:		ON9100447			
SIC Code:		325189 325999			
SIC Description:		All Other Basic Inorganic Chemical Manufacturing, All Other Miscellaneous Chemical Product Manufacturing			
Approval Years:		07,08			
PO Box No:					
Country:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Status:
 Co Admin:
 Choice of Contact:
 Phone No Admin:
 Contaminated Facility:
 MHSW Facility:

Detail(s)

Waste Class: 113
 Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 122
 Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 148
 Waste Class Name: INORGANIC LABORATORY CHEMICALS

<u>1</u>	36 of 76	-/0.0	105.4 / -0.09	Kencro Chemicals Limited 2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	CA
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Certificate #: 1511-5GGMD6
 Application Year: 2002
 Issue Date: 12/9/2002
 Approval Type: Air
 Status: Revoked and/or Replaced
 Application Type:
 Client Name:
 Client Address:
 Client City:
 Client Postal Code:
 Project Description:
 Contaminants:
 Emission Control:

<u>1</u>	37 of 76	-/0.0	105.4 / -0.09	Geneye Systems Inc. 2172 Wyecroft Road Oakville ON L6L 6R1	CA
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Certificate #: 8039-6LMPZP
 Application Year: 2006
 Issue Date: 2/13/2006
 Approval Type: Air
 Status: Approved
 Application Type:
 Client Name:
 Client Address:
 Client City:
 Client Postal Code:
 Project Description:
 Contaminants:
 Emission Control:

<u>1</u>	38 of 76	-/0.0	105.4 / -0.09	Kencro Chemicals Limited 2172 Wyecroft Rd Oakville ON L6L 6R1	CA
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Certificate #: 8440-7ZEPW5
 Application Year: 2010

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Issue Date:		1/25/2010			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
<u>1</u>	39 of 76	-/0.0	105.4 / -0.09	AJS Woodworking Ltd. 2172 Wyecroft Rd Unit 11-12 Oakville ON L6L 6R1	SCT
Established:		01-OCT-03			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Wood Window and Door Manufacturing			
SIC/NAICS Code:		321911			
Description:		Other Millwork			
SIC/NAICS Code:		321919			
Description:		Other Specialty-Line Building Supplies Wholesaler-Distributors			
SIC/NAICS Code:		416390			
Description:		Other Building Finishing Contractors			
SIC/NAICS Code:		238390			
<u>1</u>	40 of 76	-/0.0	105.4 / -0.09	Bezemer Services 2172 Wyecroft Road Oakville ON L6L 6R1	GEN
Generator No:		ON6261287			
SIC Code:		531120			
SIC Description:		Lessors of Non-Residential Buildings (except Mini-Warehouses)			
Approval Years:		2009			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
Detail(s)					
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
<u>1</u>	41 of 76	-/0.0	105.4 / -0.09	Filter Solutions Inc 2172 Wyecroft Road #21 Oakville ON L6L 6R1	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON8119218 332420 Metal Tank (Heavy Gauge) Manufacturing 2009			
Detail(s)					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>1</u>	42 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc. 9-2172 Wyecroft Rd - Oakville ON L6L 6R1	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON9043383 332710 Machine Shops 2009			
Detail(s)					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>1</u>	43 of 76	-/0.0	105.4 / -0.09	Kencro Chemcials Limited 2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON9100447 325189, 325999 All Other Basic Inorganic Chemical Manufacturing, All Other Miscellaneous Chemical Product Manufacturing 2009			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Detail(s)					
Waste Class:		113			
Waste Class Name:		ACID WASTE - OTHER METALS			
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			

<u>1</u>	44 of 76	-/0.0	105.4 / -0.09	TRUGREEN LAWN CARE/ K-TON PROPERTIES & DEVELOP. INC 2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 1R6	PES
Detail Licence No:				Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	Operator			Oper Phone No:	
Licence Type Code:				Operator Ext:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					

<u>1</u>	45 of 76	-/0.0	105.4 / -0.09	THE TREE SPECIALISTS INC 2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L 6R1	PES
Detail Licence No:				Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	Operator			Oper Phone No:	
Licence Type Code:				Operator Ext:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					

<u>1</u>	46 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc.	GEN
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				9-2172 Wycroft Rd - Oakville ON L6L 6R1	
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON9043383 332710 Machine Shops 2010			
<u>Detail(s)</u>					
Waste Class: Waste Class Name:		253 EMULSIFIED OILS			
<u>1</u>	47 of 76	-/0.0	105.4 / -0.09	Filter Solutions Inc 2172 Wycroft Road #21 Oakville ON L6L 6R1	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON8119218 332420 Metal Tank (Heavy Gauge) Manufacturing 2010			
<u>Detail(s)</u>					
Waste Class: Waste Class Name:		213 PETROLEUM DISTILLATES			
Waste Class: Waste Class Name:		145 PAINT/PIGMENT/COATING RESIDUES			
Waste Class: Waste Class Name:		211 AROMATIC SOLVENTS			
<u>1</u>	48 of 76	-/0.0	105.4 / -0.09	Bezemer Services 2172 Wycroft Road Oakville ON L6L 6R1	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact:		ON6261287 531120 Lessors of Non-Residential Buildings (except Mini-Warehouses) 2010			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

<u>1</u>	49 of 76	-/0.0	105.4 / -0.09	Kencro Chemcials Limited 2172 Wyecroft Road, Unit #4 Oakville ON L6L 6R1	GEN
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Generator No: ON9100447
SIC Code: 325189, 325999
SIC Description:
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

<u>1</u>	50 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc. 9-2172 Wyecroft Rd - Oakville ON L6L 6R1	GEN
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Generator No: ON9043383
SIC Code: 332710
SIC Description: Machine Shops
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

<u>1</u>	51 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc.	GEN
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				9-2172 Wyecroft Rd - Oakville ON	
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON9043383 332710 MACHINE SHOPS 2013			
Detail(s)					
Waste Class: Waste Class Name:		253 EMULSIFIED OILS			
<u>1</u>	52 of 76	-/0.0	105.4 / -0.09	2172 Wyecroft Rd Oakville ON L6L6R1	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20141219035 C Custom Report 29-DEC-14 19-DEC-14		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -79.726387 43.417184
<u>1</u>	53 of 76	-/0.0	105.4 / -0.09	Kencro Chemicals Limited 2172 Wyecroft Rd Oakville ON L6L 5V6	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		8440-7ZEPW5 2010-01-25 Revoked and/or Replaced ECA IDS Halton ECA-AIR AIR Kencro Chemicals Limited 2172 Wyecroft Rd		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Halton-Peel -79.723305 43.420364
<u>1</u>	54 of 76	-/0.0	105.4 / -0.09	Jolly & Associates Consultants Inc. 2172 Wyecroft Rd Oakville ON L0P 1B0	ECA
Approval No: Approval Date: Status: Record Type: Link Source:		8711-4PEL79 2000-09-25 Approved ECA IDS		MOE District: City: Longitude: Latitude: Geometry X:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SWP Area Name:		Geometry Y:			
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Jolly & Associates Consultants Inc.				
Address:	2172 Wyecroft Rd				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0317-4KCKDK-14.pdf				
PDF Site Location:					
1	55 of 76	-/0.0	105.4 / -0.09	Genieye Systems Inc. 2172 Wyecroft Road Oakville ON L6L 6R1	ECA
Approval No:	8039-6LMPZP	MOE District:		Halton-Peel	
Approval Date:	2006-02-13	City:			
Status:	Approved	Longitude:		-79.72717	
Record Type:	ECA	Latitude:		43.41665	
Link Source:	IDS	Geometry X:			
SWP Area Name:	Halton	Geometry Y:			
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Genieye Systems Inc.				
Address:	2172 Wyecroft Road				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9071-6FUQS6-14.pdf				
PDF Site Location:					
1	56 of 76	-/0.0	105.4 / -0.09	Kencro Chemicals Limited 2172 Wyecroft Road, Unit #4 Oakville ON L6L 5V6	ECA
Approval No:	1511-5GGMD6	MOE District:		Halton-Peel	
Approval Date:	2002-12-09	City:			
Status:	Revoked and/or Replaced	Longitude:		-79.723305	
Record Type:	ECA	Latitude:		43.420364	
Link Source:	IDS	Geometry X:			
SWP Area Name:	Halton	Geometry Y:			
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Kencro Chemicals Limited				
Address:	2172 Wyecroft Road, Unit #4				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6172-5BHRD4-14.pdf				
PDF Site Location:					
1	57 of 76	-/0.0	105.4 / -0.09	Alome Finishing 2172 Wyecroft Road, Unit 10-11 Oakville ON L6L 6R1	GEN
Generator No:	ON8495842				
SIC Code:	337123				
SIC Description:	OTHER WOOD HOUSEHOLD FURNITURE MANUFACTURING				
Approval Years:	2016				
PO Box No:					
Country:	Canada				
Status:					
Co Admin:					
Choice of Contact:	CO_OFFICIAL				
Phone No Admin:					
Contaminated Facility:	No				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>1</u>	58 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc. 9-2172 Wyecroft Rd - Oakville ON L6L 1V6	GEN
Generator No:		ON9043383			
SIC Code:		332710			
SIC Description:		MACHINE SHOPS			
Approval Years:		2015			
PO Box No:					
Country:		Canada			
Status:					
Co Admin:					
Choice of Contact:		CO_OFFICIAL			
Phone No Admin:					
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>1</u>	59 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc. 9-2172 Wyecroft Rd - Oakville ON L6L 1V6	GEN
Generator No:		ON9043383			
SIC Code:		332710			
SIC Description:		MACHINE SHOPS			
Approval Years:		2016			
PO Box No:					
Country:		Canada			
Status:					
Co Admin:					
Choice of Contact:		CO_OFFICIAL			
Phone No Admin:					
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>1</u>	60 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc. 9-2172 Wyecroft Rd - Oakville ON L6L 1V6	GEN
Generator No:		ON9043383			
SIC Code:		332710			
SIC Description:		MACHINE SHOPS			
Approval Years:		2014			
PO Box No:					
Country:		Canada			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:					
Co Admin:					
Choice of Contact:		CO_OFFICIAL			
Phone No Admin:					
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>1</u>	61 of 76	-/0.0	105.4 / -0.09	Macmillan Machining Inc. 9-2172 Wyecroft Rd - Oakville ON L6L 1V6	GEN
Generator No:		ON9043383			
SIC Code:					
SIC Description:					
Approval Years:		As of Jun 2018			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		253 T			
Waste Class Name:		Emulsified oils			
<u>1</u>	62 of 76	-/0.0	105.4 / -0.09	Alome Finishing 2172 Wyecroft Road, Unit 10-11 Oakville ON L6L 6R1	GEN
Generator No:		ON8495842			
SIC Code:					
SIC Description:					
Approval Years:		As of Dec 2018			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		211 H			
Waste Class Name:		Aromatic solvents and residues			
<u>1</u>	63 of 76	-/0.0	105.4 / -0.09	2172 Wyecroft Road Oakville ON L6L 6R1	EHS
Order No:		20180524031		Nearest Intersection:	
Status:		C		Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type:	Standard Report			Client Prov/State: ON	
Report Date:	29-MAY-18			Search Radius (km): .25	
Date Received:	24-MAY-18			X: -79.726229	
Previous Site Name:				Y: 43.416965	
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

<u>1</u>	64 of 76	-/0.0	105.4 / -0.09	TRUGREEN LAWCARE/ K-TON PROPERTIES & DEVELOP. INC 2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L1R6	PES
Detail Licence No:				Operator Box:	
Licence No:	04267			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code:	905
Licence Type:	Operator			Oper Phone No:	8255550
Licence Type Code:	01			Operator Ext:	
Licence Class:	06			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					

<u>1</u>	65 of 76	-/0.0	105.4 / -0.09	TRUGREEN LAWCARE/ K-TON PROPERTIES & DEVELOP. INC 2172 WYECROFT RD UNIT 23 OAKVILLE ON L6L1R6	PES
Detail Licence No:	02-01-04267-0			Operator Box:	
Licence No:	04267			Operator Class:	
Status:				Operator No:	4267
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code:	905
Licence Type:	Operator			Oper Phone No:	8255550
Licence Type Code:	02			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:	0			Oper Concession:	
Latitude:				Operator Region:	3
Longitude:				Operator District:	
Lot:				Operator County:	28
Concession:				Op Municipality:	
Region:	3			Post Office Box:	
District:				MOE District:	
County:	28			SWP Area Name:	
Trade Name:					
PDF URL:					

<u>1</u>	66 of 76	-/0.0	105.4 / -0.09	Alome Finishing 2172 Wycroft Road, Unit 10-11 Oakville ON L6L 6R1	GEN
Generator No:	ON8495842				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code: SIC Description: Approval Years: As of Jul 2020 PO Box No: Country: Canada Status: Registered Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
Detail(s)					
Waste Class: 211 H Waste Class Name: Aromatic solvents and residues					
1	67 of 76	-/0.0	105.4 / -0.09	2540816 ONTARIO INC. 2172 WYECROFT RD OAKVILLE ON L6L 6R1	EASR
Approval No: R-010-8111335038 Status: REGISTERED Date: 2019-05-22 Record Type: EASR Link Source: MOFA Project Type: Air Emissions Full Address: Approval Type: EASR-Air Emissions SWP Area Name: Halton PDF URL: PDF Site Location:					
MOE District: Halton-Peel Municipality: OAKVILLE Latitude: 43.41611111 Longitude: -79.72555556 Geometry X: Geometry Y:					
1	68 of 76	-/0.0	105.4 / -0.09	2540816 ONTARIO INC ALOME FINISHING 2540816 ONTARIO INC ALOME FINISHING 2172 Wyecroft Road, Unit 10-11 Oakville ON L6L 6R1	GEN
Generator No: ON8495842 SIC Code: SIC Description: Approval Years: As of Nov 2021 PO Box No: Country: Canada Status: Registered Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
Detail(s)					
Waste Class: 211 H Waste Class Name: Aromatic solvents and residues					
1	69 of 76	-/0.0	105.4 / -0.09	KGO GROUP LTD 2172 Wyecroft Rd., Unit 4 & 5 OAKVILLE ON L6L6R1	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON5594396			
Detail(s)					
Waste Class:		263 L			
Waste Class Name:		Misc. waste organic chemicals			
Waste Class:		145 I			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
Waste Class:		232 L			
Waste Class Name:		Polymeric resins			
Waste Class:		263 I			
Waste Class Name:		Misc. waste organic chemicals			
Waste Class:		262 L			
Waste Class Name:		Detergents and soaps			
Waste Class:		252 L			
Waste Class Name:		Waste crankcase oils and lubricants			
Waste Class:		146 T			
Waste Class Name:		Other specified inorganic sludges, slurries or solids			
<u>1</u>	70 of 76	-/0.0	105.4 / -0.09	2540816 ONTARIO INC ALOME FINISHING 2540816 ONTARIO INC ALOME FINISHING 2172 Wyecroft Road, Unit 10-11 Oakville ON L6L 6R1	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON8495842			
Detail(s)					
Waste Class:		211 H			
Waste Class Name:		AROMATIC SOLVENTS			
<u>1</u>	71 of 76	-/0.0	105.4 / -0.09	KGO GROUP LTD 2172 Wyecroft Rd., Unit 4 & 5 OAKVILLE ON L6L6R1	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON5594396 As of Oct 2022 Canada Registered			
<u>Detail(s)</u>					
Waste Class:		263 I			
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		145 I			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252 L			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		232 L			
Waste Class Name:		POLYMERIC RESINS			
Waste Class:		146 T			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
Waste Class:		262 L			
Waste Class Name:		DETERGENTS/SOAPS			
Waste Class:		263 L			
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			

<u>1</u>	72 of 76	-/0.0	105.4 / -0.09	2172 Wyecroft Road Oakville ON L6L 6R1	EHS
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Order No:	21062900021	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Standard Report	Client Prov/State:	ON
Report Date:	05-JUL-21	Search Radius (km):	.25
Date Received:	29-JUN-21	X:	-79.7262287
Previous Site Name:		Y:	43.4169653
Lot/Building Size:			
Additional Info Ordered:			

<u>1</u>	73 of 76	-/0.0	105.4 / -0.09	2172 Wyecroft Road Oakville ON L6L 6R1	EHS
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Order No:	21062900021	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Standard Report	Client Prov/State:	ON
Report Date:	05-JUL-21	Search Radius (km):	.25
Date Received:	29-JUN-21	X:	-79.7262287
Previous Site Name:		Y:	43.4169653
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	74 of 76	-0.0	105.4 / -0.09	2172 Wyecroft Road Oakville ON L6L 6R1	EHS
Order No: 21062900021 Status: C Report Type: Standard Report Report Date: 05-JUL-21 Date Received: 29-JUN-21 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7262287 Y: 43.4169653			
1	75 of 76	-0.0	105.4 / -0.09	2172 Wyecroft Road Oakville ON L6L 6R1	EHS
Order No: 21062900021 Status: C Report Type: Standard Report Report Date: 05-JUL-21 Date Received: 29-JUN-21 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7262287 Y: 43.4169653			
1	76 of 76	-0.0	105.4 / -0.09	2172 Wyecroft Rd, Oakville ON OAKVILLE ON	SPL
Ref No: 1-3RWBY7 Year: Incident Dt: 8/25/2023 12:11:31 PM Dt MOE Arvl on Scn: MOE Reported Dt: 8/25/2023 2:17:31 PM Dt Document Closed: 8/28/2023 7:12:47 AM Site No: MOE Response: Desktop Response Site County/District: Site Geo Ref Meth: Site District Office: Halton-Peel District Office Nearest Watercourse: Site Name: Site Address: 2172 Wyecroft Rd, Oakville ON Site Region: REGIONAL MUNICIPALITY OF HALTON Site Municipality: OAKVILLE Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: Incident Event: Environment Impact: Nature of Impact: Contaminant Qty: 40 litre (L) System Facility Address: Client Name: OAKVILLE HYDRO ELECTRICITY DISTRIBUTION INC. Client Type: Public Utilities Corporation Source Type: Transformer Contaminant Code: Contaminant Name: TRANSFORMER OIL (N.O.S.) Contaminant Limit 1:		Municipality No: Nature of Damage: Discharger Report: Material Group: Health/Env Conseq: Agency Involved:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Land Incident Reason: Other (Specify) Incident Summary: Oakville Hydro: 40L non pcb transformer oil to spill containment; cing Activity Preceding Spill: Property 2nd Watershed: Lake Ontario and Niagara Peninsula Property Tertiary Watershed: 02GA - Upper Grand Sector Type: COMMUNICATION AND ENERGY WIRE AND CABLE MANUFACTURING SAC Action Class: Call Report Locatn Geodata: {"integration_ids":["PR00000426530"],"wks":["POINT (-79.7253575000 43.4159921000)","creation_date":"2023-08-25"}					

2	1 of 1	ENE/112.7	104.8 / -0.66	2104 Wycroft Rd Oakville ON L6L5V6	EHS
Order No: 20171027052 Status: C Report Type: Custom Report Report Date: 08-NOV-17 Date Received: 27-OCT-17 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .5 X: -79.724021 Y: 43.416274					

3	1 of 1	ESE/144.4	104.8 / -0.66	BRONTE GO STATION Oakville ON	WWIS
Well ID: 7329703 Construction Date: Use 1st: Monitoring Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z277909 Tag: A232832 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: OAKVILLE TOWN Site Info:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 03/12/2019 Selected Flag: TRUE Abandonment Rec: Contractor: 6607 Form Version: 7 Owner: County: HALTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map): Additional Detail(s) (Map) Well Completed Date: 06/04/2018 Year Completed: 2018 Depth (m): 3.048 Latitude: 43.4153922685019 Longitude: -79.7237749723612 Path:					

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Bore Hole ID: 1007401717
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/04/2018
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 603320.00
North83: 4807736.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock
Materials Interval

Formation ID: 1007793606
Layer: 4
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 8.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 1007793603
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 1007793604
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		2.0			
Formation End Depth:		6.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007793605			
Layer:		3			
Color:		7			
General Color:		RED			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		73			
Mat3 Desc:		HARD			
Formation Top Depth:		6.0			
Formation End Depth:		8.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007794698			
Layer:		1			
Plug From:		0.0			
Plug To:		2.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007794699			
Layer:		2			
Plug From:		2.0			
Plug To:		5.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1007795791			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007791773			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007796289			
Layer:		1			
Material:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		5.0			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1007796696			
Layer:		1			
Slot:		10			
Screen Top Depth:		5.0			
Screen End Depth:		10.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6.400000095367432			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1007797452			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1007795246			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		10.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			
<u>Hole Diameter</u>					
Hole ID:		1007795247			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:					
<u>Links</u>					
Bore Hole ID:		1007401717		Tag No: A232832	
Depth M:		3.048		Contractor: 6607	
Year Completed:		2018		Latitude: 43.4153922685019	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Completed Dt:		06/04/2018		Longitude:	-79.7237749723612
Audit No:		Z277909		Y:	43.415392266706554
Path:		732\7329703.pdf		X:	-79.72377482249726
<u>4</u>	1 of 3	WNW/146.4	106.8 / 1.34	New West Gypsum Recycling 2182 Wyecroft Rd Oakville ON L6L 6R1	SCT
Established:		01-SEP-90			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		General-Line Building Supplies Wholesaler-Distributors			
SIC/NAICS Code:		416310			
Description:		Other Recyclable Material Wholesaler-Distributors			
SIC/NAICS Code:		418190			
<u>4</u>	2 of 3	WNW/146.4	106.8 / 1.34	New West Gypsum Recycling (Ont.) Inc. 2182 Wyecroft Rd Oakville ON L6L 5V6	WDS
Approval No:		A210424		Total Area (ha):	
Mob Unit Cert No:				Landfill Cap (m³):	
EBR Registry No:				Transfer Area (ha):	
Status:		Approved		Transfer Cap (m³):	
Facility Type:				Transfer Cert No:	
Record Type:		ECA		Inciner. Area (ha):	
Link Source:		IDS		Inciner. Cap (t):	
Project Type:		WASTE DISPOSAL SITES		Process Area (m²):	
Application Status:				Process Cap (m³/d):	
Issue Date:		2020-11-29		Process Vol (m³):	
Input Date:				Process Feed (m³):	
Date Received:				Site Concession:	
Est Closure Date:				Site Region/County:	
Mobile Capacity:				SWP Area Name:	
Mobile Units:				Halton	
Mobile Description:				MOE District:	
Prop City:				Halton-Peel	
Prop Postal:				District Office:	
Prop Phone:				Latitude:	
Serial Link:				43.415783	
Approval Type:		ECA-WASTE DISPOSAL SITES		Longitude:	
Proponent:				-79.725945	
Prop Address:				Geometry X:	
Proponent County/District:				Geometry Y:	
Full Address:		2182 Wyecroft Rd			
Site Lot:					
Waste Class Code:					
Waste Class:					
Waste Type:					
Waste Type Other:					
Waste Description:					
Landfill Monitoring:					
Landfill Ctrl Type:					
Site Closing Description:					
Project Description:					
Municipalities Served:					
Approval Description:					
Other Approvals/Permits:					
PDF URL:		https://www.accessenvironment.ene.gov.on.ca/instruments/3056-BJYK3M-14.pdf			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>PDF Site Location:</i>					
4	3 of 3	WNW/146.4	106.8 / 1.34	CLOVERDALE DISPOSAL LTD. 2182 Wycroft RD Oakville ON L6L 5V6	EASR
Approval No:	R-004-3113817899			MOE District:	Halton-Peel
Status:	REGISTERED			Municipality:	Oakville
Date:	January 27, 2022			Latitude:	43.41555556
Record Type:	EASR			Longitude:	-79.72583333
Link Source:	MOFA			Geometry X:	-8875039.1697000004
Project Type:	Waste Management System			Geometry Y:	5375439.0654999977
Full Address:					
Approval Type:	EASR-Waste Management System				
SWP Area Name:	Halton				
PDF URL:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2563577				
PDF Site Location:	2182 Wycroft Road Oakville ON L6L 5V6				
5	1 of 1	WNW/154.7	106.8 / 1.34	New West Gypsum Recycling (Ont.) Inc. 2180 Wycroft Rd Oakville ON L6L 5V6	WDS
Approval No:	A210424			Total Area (ha):	
Mob Unit Cert No:				Landfill Cap (m³):	
EBR Registry No:				Transfer Area (ha):	
Status:	Revoked and/or Replaced			Transfer Cap (m³):	
Facility Type:				Transfer Cert No:	
Record Type:	ECA			Inciner. Area (ha):	
Link Source:	IDS			Inciner. Cap (t):	
Project Type:	WASTE DISPOSAL SITES			Process Area (m³):	
Application Status:				Process Cap (m³/d):	
Issue Date:	2016-10-07			Process Vol (m³):	
Input Date:				Process Feed (m³):	
Date Received:				Site Concession:	
Est Closure Date:				Site Region/County:	
Mobile Capacity:				SWP Area Name:	
Mobile Units:				MOE District:	
Mobile Description:				District Office:	
Prop City:				Latitude:	
Prop Postal:				Longitude:	
Prop Phone:				Geometry X:	
Serial Link:				Geometry Y:	
Approval Type:	ECA-WASTE DISPOSAL SITES				
Proponent:					
Prop Address:					
Proponent County/District:					
Full Address:	2180 Wycroft Rd				
Site Lot:					
Waste Class Code:					
Waste Class:					
Waste Type:					
Waste Type Other:					
Waste Description:					
Landfill Monitoring:					
Landfill Ctrl Type:					
Site Closing Description:					
Project Description:					
Municipalities Served:					
Approval Description:					
Other Approvals/Permits:					
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/6216-A8JL4W-14.pdf				
PDF Site Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>6</u>	1 of 15	WNW/156.8	106.8 / 1.34	PRIVATE OWNER 2192 WYCROFT STORAGE TANK/BARREL OAKVILLE TOWN ON	SPL
Ref No:	224960			Municipality No: 14403	
Year:				Nature of Damage:	
Incident Dt:	5/9/2002			Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	
MOE Reported Dt:	5/9/2002			Health/Env Conseq:	
Dt Document Closed:				Agency Involved: FIRE DEPT, MOE	
Site No:					
MOE Response:					
Site County/District:					
Site Geo Ref Meth:					
Site District Office:					
Nearest Watercourse:					
Site Name:					
Site Address:					
Site Region:					
Site Municipality:		OAKVILLE TOWN			
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:					
Easting:					
Incident Cause:		UNKNOWN			
Incident Event:					
Environment Impact:		CONFIRMED			
Nature of Impact:		Human health			
Contaminant Qty:					
System Facility Address:					
Client Name:					
Client Type:					
Source Type:					
Contaminant Code:					
Contaminant Name:					
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:		AIR			
Incident Reason:		UNKNOWN			
Incident Summary:		PRIVATE OWNER: RELEASE OF MURIATIC ACID TO ATM SEVERAL PEOPLE AFFECTED			
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:					
SAC Action Class:					
Call Report Locatn Geodata:					

<u>6</u>	2 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Limited 2192 Wycroft Road Oakville, Regional Municipality of Halton L6L 5V6 TOWN OF OAKVILLE ON	EBR
EBR Registry No:	011-5563			Decision Posted:	
Ministry Ref No:	8708-8PZSJ7			Exception Posted:	
Notice Type:	Instrument Decision			Section:	
Notice Stage:				Act 1:	
Notice Date:	November 09, 2015			Act 2:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Proposal Date: January 13, 2012 Year: 2012 Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air) Off Instrument Name: Posted By: Company Name: Kencro Chemicals Limited Site Address: Location Other: Proponent Name: Proponent Address: 2192 Wynecroft Road, Oakville Ontario, Canada L6L 6R1 Comment Period: URL:				Site Location Map:	
Site Location Details:					
2192 Wynecroft Road Oakville, Regional Municipality of Halton L6L 5V6 TOWN OF OAKVILLE					
<u>6</u>	3 of 15	WNW/156.8	106.8 / 1.34	KENCRO CHEMICALS LIMITED 2192 WYECROFT RD OAKVILLE ON L6L6R1	PES
Detail Licence No: Licence No: 16256 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: General Vendor Licence Type Code: 22 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF URL:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 905 Oper Phone No: 8274133 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
<u>6</u>	4 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wynecroft Road Oakville ON	GEN
Generator No: ON6597434 SIC Code: 418410 SIC Description: Chemical (except Agricultural) and Allied Product Wholesaler-Distributors Approval Years: 2012 PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>6</u>	5 of 15	WNW/156.8	106.8 / 1.34	KENCRO CHEMICALS LTD 2192 WYECROFT OAKVILLE ON L6L5V6	CHM

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Headcode: 00273600 Headcode Desc: CHEMICALS Phone: 9058274133 List Name: Description:					
<u>6</u>	6 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wyecroft Road Oakville ON	GEN
Generator No: ON6597434 SIC Code: 418410 SIC Description: CHEMICAL (EXCEPT AGRICULTURAL) AND ALLIED PRODUCT WHOLESALER-DISTRIBUTORS Approval Years: 2013 PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
Detail(s)					
Waste Class: 148 Waste Class Name: INORGANIC LABORATORY CHEMICALS					
<u>6</u>	7 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Limited 2192 Wyecroft Rd Oakville ON L6L 6R1	ECA
Approval No: 1017-A3QJX8 Approval Date: 2015-11-04 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Halton Approval Type: ECA-AIR Project Type: AIR Business Name: Kencro Chemicals Limited Address: 2192 Wyecroft Rd Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8708-8PZSJ7-14.pdf PDF Site Location:					
MOE District: Halton-Peel City: Longitude: -79.72668 Latitude: 43.4161 Geometry X: Geometry Y:					
<u>6</u>	8 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wyecroft Road Oakville ON L6L 6R1	GEN
Generator No: ON6597434 SIC Code: 418410 SIC Description: CHEMICAL (EXCEPT AGRICULTURAL) AND ALLIED PRODUCT WHOLESALER-DISTRIBUTORS Approval Years: 2016 PO Box No: Country: Canada Status: Co Admin: Choice of Contact: CO_OFFICIAL Phone No Admin:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
<u>6</u>	9 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wycroft Road Oakville ON L6L 6R1	GEN
Generator No:		ON6597434			
SIC Code:		418410			
SIC Description:		CHEMICAL (EXCEPT AGRICULTURAL) AND ALLIED PRODUCT WHOLESALER-DISTRIBUTORS			
Approval Years:		2015			
PO Box No:					
Country:		Canada			
Status:					
Co Admin:					
Choice of Contact:		CO_OFFICIAL			
Phone No Admin:					
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
<u>6</u>	10 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wycroft Road Oakville ON L6L 6R1	GEN
Generator No:		ON6597434			
SIC Code:		418410			
SIC Description:		CHEMICAL (EXCEPT AGRICULTURAL) AND ALLIED PRODUCT WHOLESALER-DISTRIBUTORS			
Approval Years:		2014			
PO Box No:					
Country:		Canada			
Status:					
Co Admin:					
Choice of Contact:		CO_OFFICIAL			
Phone No Admin:					
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
<u>6</u>	11 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wycroft Road Oakville ON L6L 6R1	GEN
Generator No:		ON6597434			
SIC Code:					
SIC Description:					
Approval Years:		As of Dec 2018			
PO Box No:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		Canada Registered			
<u>Detail(s)</u>					
Waste Class:		114 C			
Waste Class Name:		Other inorganic acid wastes			
Waste Class:		148 C			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		251 L			
Waste Class Name:		Waste oils/sludges (petroleum based)			
<u>6</u>	12 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wycroft Road Oakville ON L6L 6R1	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON6597434 As of Jul 2020 Canada Registered			
<u>Detail(s)</u>					
Waste Class:		114 C			
Waste Class Name:		Other inorganic acid wastes			
Waste Class:		114 L			
Waste Class Name:		Other inorganic acid wastes			
Waste Class:		148 C			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		251 L			
Waste Class Name:		Waste oils/sludges (petroleum based)			
Waste Class:		135 I			
Waste Class Name:		Wastes containing other reactive anions			
<u>6</u>	13 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Limited 2192 Wycroft Rd Oakville ON L6L 5V6	SPL
Ref No: Year: Incident Dt: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed:		7350-BC5L84 5/10/2019 5/13/2019		Municipality No: Nature of Damage: Discharger Report: Material Group: Health/Env Conseq: Agency Involved:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
		3265-5BHRF9			
Site No:					
MOE Response:					
Site County/District: Regional Municipality of Halton					
Site Geo Ref Meth: NA					
Site District Office: Halton-Peel					
Nearest Watercourse:					
Site Name: 2192 Wyecroft Road					
Site Address: 2192 Wyecroft Rd					
Site Region: Central					
Site Municipality: Oakville					
Site Lot:					
Site Conc: NA					
Site Geo Ref Accu: NA					
Site Map Datum: NA					
Northing: NA					
Easting: NA					
Incident Cause:					
Incident Event:					
Environment Impact:					
Nature of Impact:					
Contaminant Qty:					
System Facility Address:					
Client Name: Kencro Chemicals Limited					
Client Type: Corporation					
Source Type:					
Contaminant Code:					
Contaminant Name:					
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:					
Incident Reason:					
Incident Summary: Spill not reported, allegedly					
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:					
SAC Action Class:					
Call Report Locatn Geodata:					

<u>6</u>	14 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wyecroft Road Oakville ON L6L 6R1	GEN
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Generator No: ON6597434
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 212 L

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		Aliphatic solvents and residues			
Waste Class:		114 C			
Waste Class Name:		Other inorganic acid wastes			
Waste Class:		148 C			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		251 L			
Waste Class Name:		Waste oils/sludges (petroleum based)			
Waste Class:		114 L			
Waste Class Name:		Other inorganic acid wastes			
Waste Class:		135 I			
Waste Class Name:		Wastes containing other reactive anions			
<u>6</u>	15 of 15	WNW/156.8	106.8 / 1.34	Kencro Chemicals Ltd. 2192 Wyecroft Road Oakville ON L6L 6R1	GEN
Generator No:		ON6597434			
SIC Code:					
SIC Description:					
Approval Years:		As of Oct 2022			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		122 C			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
Waste Class:		114 C			
Waste Class Name:		OTHER INORGANIC ACID WASTES			
Waste Class:		251 L			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
Waste Class:		212 L			
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		135 I			
Waste Class Name:		REACTIVE ANION WASTES			
Waste Class:		114 L			
Waste Class Name:		OTHER INORGANIC ACID WASTES			
Waste Class:		148 C			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
<u>7</u>	1 of 9	WNW/156.8	106.8 / 1.34	ACME SAW LIMITED 2192 WYECROFT RD OAKVILLE ON L6L 6R1	SCT
Established:		1945			
Plant Size (ft²):		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Employment:		4			
--Details--					
Description:		HARDWARE			
SIC/NAICS Code:		5072			
Description:		INDUSTRIAL MACHINERY AND EQUIPMENT			
SIC/NAICS Code:		5084			
<u>7</u>	2 of 9	WNW/156.8	106.8 / 1.34	MTM Steel Processing Inc. 2192 Wyecroft Rd Oakville ON L6L 6R1	SCT
Established:		1996			
Plant Size (ft²):		28			
Employment:		28			
--Details--					
Description:		Steel Foundries			
SIC/NAICS Code:		331514			
<u>7</u>	3 of 9	WNW/156.8	106.8 / 1.34	Acme Saw Ltd. 2192 Wyecroft Rd Oakville ON L6L 6R1	SCT
Established:		1945			
Plant Size (ft²):		4			
Employment:		4			
--Details--					
Description:		Hardware Wholesaler-Distributors			
SIC/NAICS Code:		416330			
Description:		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
SIC/NAICS Code:		417230			
<u>7</u>	4 of 9	WNW/156.8	106.8 / 1.34	O.H. MATERIALS OF CANADA LTD. 2192 WYECROFT ROAD P.O BOX 7010 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON1165900			
SIC Code:		4411			
SIC Description:		CONSTR. PROJ. MGMT.			
Approval Years:		89			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
Detail(s)					
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>7</u>	5 of 9	WNW/156.8	106.8 / 1.34	O.H. MATERIALS OF CANADA LTD. 29-431 2192 WYECROFT ROAD P.O BOX 7010 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON1165900			
SIC Code:		4411			
SIC Description:		CONSTR. PROJ. MGMT.			
Approval Years:		92,93,94,95,96,97,98			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>7</u>	6 of 9	WNW/156.8	106.8 / 1.34	MTM Steel Processing Inc 2192 Wyecroft Road Oakville ON L6L 6R1	GEN
Generator No:		ON5861625			
SIC Code:		332710			
SIC Description:		Machine Shops			
Approval Years:		05			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>7</u>	7 of 9	WNW/156.8	106.8 / 1.34	Cyltron Industries Limited 2192 Wyecroft Rd Oakville ON L6L 6R1	SCT
Established:		1986			
Plant Size (ft²):		28000			
Employment:		30			
<u>--Details--</u>					
Description:		Other Plate Work and Fabricated Structural Product Manufacturing			
SIC/NAICS Code:		332319			
Description:		Other Ornamental and Architectural Metal Products Manufacturing			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS Code:		332329			
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
SIC/NAICS Code:		332999			
<u>7</u>	8 of 9	WNW/156.8	106.8 / 1.34	2192 Wycroft Road Oakville ON L6L 6R1	EHS
Order No:		20110902010		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State: ON	
Report Date:		9/6/2011		Search Radius (km): 0.25	
Date Received:		9/2/2011 11:29:27 AM		X: -79.727349	
Previous Site Name:				Y: 43.416438	
Lot/Building Size:					
Additional Info Ordered:					
<u>7</u>	9 of 9	WNW/156.8	106.8 / 1.34	969452 ONTARIO LIMITED 2192 WYECROFT RD OAKVILLE ON L6L 6R1	GEN
Generator No:		ON6026069			
SIC Code:		531120			
SIC Description:					
Approval Years:		2011			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>8</u>	1 of 23	W/180.0	107.2 / 1.72	CONSTRUCTION COMPANY REAR OF 2212 WYECROFT ROAD MOTOR VEHICLE (OPERATING FLUID) OAKVILLE TOWN ON L6L 6R1	SPL
Ref No:		119726		Municipality No: 14403	
Year:				Nature of Damage:	
Incident Dt:		10/17/1995		Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	
MOE Reported Dt:		10/17/1995		Health/Env Conseq:	
Dt Document Closed:				Agency Involved:	
Site No:					
MOE Response:					
Site County/District:					
Site Geo Ref Meth:					
Site District Office:					
Nearest Watercourse:					
Site Name:					
Site Address:					
Site Region:					
Site Municipality:		OAKVILLE TOWN			
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:					
Easting:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Cause:		CONTAINER OVERFLOW			
Incident Event:					
Environment Impact:		NOT ANTICIPATED			
Nature of Impact:					
Contaminant Qty:					
System Facility Address:					
Client Name:					
Client Type:					
Source Type:					
Contaminant Code:					
Contaminant Name:					
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:		LAND			
Incident Reason:		ERROR			
Incident Summary:		STEVE'S EXCAVATION-68 L DIESEL TO GROUND FROM OVERFILL OF TRUCK.			
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:					
SAC Action Class:					
Call Report Locatn Geodata:					
<u>8</u>	2 of 23	W/180.0	107.2 / 1.72	GABRIEL TRANSMISSIONS INC. 2212 Wyecroft Rd Oakville ON L6L 6R1	SCT
Established:		0000			
Plant Size (ft²):		0			
Employment:		1			
--Details--					
Description:		Motor Vehicle Transmission and Power Train Parts Manufacturing			
SIC/NAICS Code:		336350			
<u>8</u>	3 of 23	W/180.0	107.2 / 1.72	Ontario Auto Collision Carstar - Oakville 2212 Wyecroft Road Vaughan ON	CA
Certificate #:		5730-52PMPH			
Application Year:		01			
Issue Date:		10/10/01			
Approval Type:		Industrial air			
Status:		Amended			
Application Type:		New Certificate of Approval			
Client Name:		1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville			
Client Address:		2212 Wyecroft Road			
Client City:		Vaughan			
Client Postal Code:		L4K 2N6			
Project Description:		This application is for approval of two (2) paint spray booths used in automotive refinishing. The paint booths discharge filtered paint fumes to the atmosphere through a roof stack at 9.55, 8.49 and 8.50 meters above grade.			
Contaminants:					
Emission Control:					
<u>8</u>	4 of 23	W/180.0	107.2 / 1.72	2212 Wyecroft Road Oakville ON L6L 6R1	CA
Certificate #:		5730-52PMPH			
Application Year:		01			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Issue Date:		12/6/01			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		Notice			
Client Name:		1140538 Ontario Inc.			
Client Address:		2212 Wyecroft Road			
Client City:		Oakville			
Client Postal Code:		L6L 5V6			
Project Description:		Approval is sought to correct an error in the City and Postal Code on the C/A.			
Contaminants:					
Emission Control:					

<u>8</u>	5 of 23	W/180.0	107.2 / 1.72	1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville 2212 Wyecroft Road Vaughan Ontario L4K 2N6 Vaughan ON	EBR
EBR Registry No:		IA01E1149		Decision Posted:	
Ministry Ref No:		6225-4ZFKPU		Exception Posted:	
Notice Type:		Instrument Decision		Section:	
Notice Stage:				Act 1:	
Notice Date:		October 15, 2001		Act 2:	
Proposal Date:		August 09, 2001		Site Location Map:	
Year:		2001			
Instrument Type:		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
Off Instrument Name:					
Posted By:					
Company Name:		1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville			
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:		2212 Wyecroft Road, Vaughan Ontario, L4K 2N6			
Comment Period:					
URL:					
Site Location Details:					
2212 Wyecroft Road Vaughan Ontario L4K 2N6 Vaughan					

<u>8</u>	6 of 23	W/180.0	107.2 / 1.72	BRISCOTT LANDSCAPING 2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	PES
Detail Licence No:		02-01-04273-0		Operator Box:	
Licence No:		04273		Operator Class:	
Status:				Operator No: 4273	
Approval Date:				Operator Type:	
Report Source:		Legacy Licenses (Excluding TS)		Oper Area Code: 905	
Licence Type:		Operator		Oper Phone No: 8255783	
Licence Type Code:		02		Operator Ext:	
Licence Class:		01		Operator Lot:	
Licence Control:		0		Oper Concession:	
Latitude:				Operator Region: 3	
Longitude:				Operator District:	
Lot:				Operator County: 62	
Concession:				Op Municipality:	
Region:		3		Post Office Box:	
District:				MOE District:	
County:		28		SWP Area Name:	
Trade Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL:					
8	7 of 23	W/180.0	107.2 / 1.72	TRUBOY FREIGHT INT. INC. 2212 WYECROFT ROAD UNIT 7 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON1830500			
SIC Code:		3231			
SIC Description:		MOTOR VEHICLE IND.			
Approval Years:		94,95,96			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
8	8 of 23	W/180.0	107.2 / 1.72	721320 ONTARIO LTD. O/A STEVE'S EXCAVATING 2212 WYECROFT ROAD, UNIT #5 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON1838200			
SIC Code:		4214			
SIC Description:		EXCAVAT. & GRADING			
Approval Years:		94,95,96,97			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
8	9 of 23	W/180.0	107.2 / 1.72	TRUBOY FREIGHT INT. INC. 2212 WYECROFT ROAD, UNIT 7 OAKVILLE ON L6L 5V6	GEN
Generator No:		ON1830500			
SIC Code:		3231			
SIC Description:		MOTOR VEHICLE IND.			
Approval Years:		97,98			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

8	10 of 23	W/180.0	107.2 / 1.72	721320 ONTARIO LTD (OUT OF BUSINESS) O/A STEVE'S EXCAVATING 2212 WYECROFT ROAD, UNIT #5 OAKVILLE ON L6L 6R1	GEN
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Generator No: ON1838200
SIC Code: 4214
SIC Description: EXCAVAT. & GRADING
Approval Years: 98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

8	11 of 23	W/180.0	107.2 / 1.72	TRUBOY FREIGHT INTERNATIONAL INC. 2212 WYECROFT ROAD, UNIT 7 OAKVILLE ON L6L 5V6	GEN
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Generator No: ON1830500
SIC Code: 3231
SIC Description: MOTOR VEHICLE IND.
Approval Years: 99,00,01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>8</u>	12 of 23	W/180.0	107.2 / 1.72	721320 ONTARIO LTD (OUT OF BUSINESS) 2212 WYECROFT ROAD, UNIT 5 OAKVILLE ON L6L 6R1	GEN
Generator No:		ON1838200			
SIC Code:		4214			
SIC Description:		EXCAVAT. & GRADING			
Approval Years:		99			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>8</u>	13 of 23	W/180.0	107.2 / 1.72	1140538 ONTARIO INC 2212 WYECROFT RD OAKVILLE ON L6L 5V6	EASR
Approval No:		R-001-2120473623		MOE District:	Halton-Peel
Status:		REGISTERED		Municipality:	OAKVILLE
Date:		2012-05-29		Latitude:	43.415348
Record Type:		EASR		Longitude:	-79.72662
Link Source:		MOFA		Geometry X:	
Project Type:		Automotive Refinishing Facility		Geometry Y:	
Full Address:					
Approval Type:		EASR-Automotive Refinishing Facility			
SWP Area Name:		Halton			
PDF URL:					
PDF Site Location:					
<u>8</u>	14 of 23	W/180.0	107.2 / 1.72	2212 Wynecroft Rd Oakville ON L6L6R1	EHS
Order No:		20160413164		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State:	ON
Report Date:		20-APR-16		Search Radius (km):	.25
Date Received:		13-APR-16		X:	-79.72681
Previous Site Name:				Y:	43.415554
Lot/Building Size:					
Additional Info Ordered:		City Directory			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	15 of 23	W/180.0	107.2 / 1.72	1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville 2212 Wyecroft Road Vaughan ON L4K 2N6	ECA
<p>Approval No: 5730-52PMPH Approval Date: 2001-10-10 Status: Amended Record Type: ECA Link Source: IDS SWP Area Name: Halton Approval Type: ECA-AIR Project Type: AIR Business Name: 1140538 Ontario Inc. o/a Ontario Auto Collision Carstar - Oakville Address: 2212 Wyecroft Road Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6225-4ZFKPU-14.pdf PDF Site Location:</p>					
8	16 of 23	W/180.0	107.2 / 1.72	1140538 Ontario Inc. 2212 Wyecroft Road Oakville ON L6L 5V6	ECA
<p>Approval No: 5730-52PMPH Approval Date: 2001-12-06 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Halton Approval Type: ECA-AIR Project Type: AIR Business Name: 1140538 Ontario Inc. Address: 2212 Wyecroft Road Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4425-54YKYN-14.pdf PDF Site Location:</p>					
8	17 of 23	W/180.0	107.2 / 1.72	BRISCOTT LANDSCAPING 2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	PES
<p>Detail Licence No: Licence No: 09571 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Operator Licence Type Code: 02 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF URL:</p>					
<p>Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 905 Oper Phone No: 8255783 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	18 of 23	W/180.0	107.2 / 1.72	Big Iron Diesel Inc 2212 Wycroft Rd Unit 8 oakville ON L6L6R1	GEN
Generator No:		ON4001157			
SIC Code:					
SIC Description:					
Approval Years:		As of Dec 2018			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
Detail(s)					
Waste Class:		252 L			
Waste Class Name:		Waste crankcase oils and lubricants			

8	19 of 23	W/180.0	107.2 / 1.72	BRISCOTT LANDSCAPING 2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	PES
Detail Licence No:					
Licence No:		07698			
Status:					
Approval Date:					
Report Source:		Legacy Licenses (Excluding TS)			
Licence Type:		Operator			
Licence Type Code:		02			
Licence Class:		01			
Licence Control:					
Latitude:					
Longitude:					
Lot:					
Concession:					
Region:					
District:					
County:					
Trade Name:					
PDF URL:					
Operator Box:					
Operator Class:					
Operator No:					
Operator Type:					
Oper Area Code:		905			
Oper Phone No:		8255783			
Operator Ext:					
Operator Lot:					
Oper Concession:					
Operator Region:					
Operator District:					
Operator County:					
Op Municipality:					
Post Office Box:					
MOE District:					
SWP Area Name:					

8	20 of 23	W/180.0	107.2 / 1.72	BRISCOTT LANDSCAPING 2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	PES
Detail Licence No:					
Licence No:		04273			
Status:					
Approval Date:					
Report Source:		Legacy Licenses (Excluding TS)			
Licence Type:		Operator			
Licence Type Code:		01			
Licence Class:		06			
Licence Control:					
Latitude:					
Longitude:					
Lot:					
Concession:					
Region:					
Operator Box:					
Operator Class:					
Operator No:					
Operator Type:					
Oper Area Code:		905			
Oper Phone No:		8255783			
Operator Ext:					
Operator Lot:					
Oper Concession:					
Operator Region:					
Operator District:					
Operator County:					
Op Municipality:					
Post Office Box:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
District: County: Trade Name: PDF URL:				MOE District: SWP Area Name:	
8	21 of 23	W/180.0	107.2 / 1.72	BRISCOTT LANDSCAPING 2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	PES
Detail Licence No: Licence No: 07310 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Operator Licence Type Code: 02 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF URL:				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 905 Oper Phone No: 8255783 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
8	22 of 23	W/180.0	107.2 / 1.72	BRISCOTT LANDSCAPING 2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	PES
Detail Licence No: Licence No: 08391 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Operator Licence Type Code: 02 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF URL:				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 905 Oper Phone No: 8255783 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
8	23 of 23	W/180.0	107.2 / 1.72	BRISCOTT LANDSCAPING 2212 WYECROFT RD #5 OAKVILLE ON L6L5V6	PES
Detail Licence No: Licence No: 09014 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS)				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 905	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence Type:	Operator			Oper Phone No: 8255783	
Licence Type Code:	02			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					

9	1 of 33	WSW/201.4	105.8 / 0.34	Ropak Canada Inc. 2240 Wyecroft Rd Oakville ON L6L 6M1	SCT
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Established:
Plant Size (ft²):
Employment:

--Details--

Description: All Other Plastic Product Manufacturing
SIC/NAICS Code: 326198

Description: All Other Plastic Product Manufacturing
SIC/NAICS Code: 326198

9	2 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
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Generator No: ON1291601
SIC Code: 3731
SIC Description: PLASTIC & SYN. RESIN
Approval Years: 99,00,01,02,03,04,05,06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 212

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		265			
Waste Class Name:		GRAPHIC ART WASTES			
<u>9</u>	3 of 33	WSW/201.4	105.8 / 0.34	Ropak Canada Inc. 2240 Wyecroft Road Oakville Ontario L6L 6M1 Oakville ON	EBR
EBR Registry No:		IA05E0166		Decision Posted:	
Ministry Ref No:		1288-68XRF3		Exception Posted:	
Notice Type:		Instrument Decision		Section:	
Notice Stage:				Act 1:	
Notice Date:		February 09, 2006		Act 2:	
Proposal Date:		February 09, 2005		Site Location Map:	
Year:		2005			
Instrument Type:		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
Off Instrument Name:					
Posted By:					
Company Name:		Ropak Canada Inc.			
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:		2240 Wyecroft Road, Oakville Ontario, L6L 6M1			
Comment Period:					
URL:					
Site Location Details:					
2240 Wyecroft Road Oakville Ontario L6L 6M1 Oakville					
<u>9</u>	4 of 33	WSW/201.4	105.8 / 0.34	2240 Wyecroft Road Oakville ON L6L 6M1	EHS
Order No:		20100908017		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		9/17/2010		Search Radius (km): 0.25	
Date Received:		9/8/2010		X: -79.727622	
Previous Site Name:				Y: 43.414329	
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Aerial Photos; City Directory			
<u>9</u>	5 of 33	WSW/201.4	105.8 / 0.34	Ropak Canada Inc. 2240 Wyecroft Road Oakville ON L6L 6M1	CA
Certificate #:		0571-6LNKPE			
Application Year:		2006			
Issue Date:		2/3/2006			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Emission Control:

9	6 of 33	WSW/201.4	105.8 / 0.34	Ropak Canada Inc. 2240 Wyecroft Road Oakville, Regional Municipality of Halton L6L 6M1 TOWN OF OAKVILLE ON	EBR
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EBR Registry No: 011-5394
Ministry Ref No: 5116-8NLSC3
Notice Type: Instrument Decision
Notice Stage:
Notice Date: June 24, 2015
Proposal Date: December 15, 2011
Year: 2011
Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Off Instrument Name:
Posted By:
Company Name: Ropak Canada Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2240 Wyecroft Road, Oakville Ontario, Canada L6L 6M1
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

2240 Wyecroft Road Oakville, Regional Municipality of Halton L6L 6M1 TOWN OF OAKVILLE

9	7 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
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Generator No: ON1291601
SIC Code: 326198
SIC Description: All Other Plastic Product Manufacturing
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		265			
Waste Class Name:		GRAPHIC ART WASTES			
<u>9</u>	8 of 33	WSW/201.4	105.8 / 0.34	2240 Wyecroft Oakville ON L6L 6M1	EHS
Order No:	20120626022			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	29-JUN-12			Search Radius (km):	.25
Date Received:	26-JUN-12			X:	-79.727998
Previous Site Name:				Y:	43.414347
Lot/Building Size:					
Additional Info Ordered:					
<u>9</u>	9 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
Generator No:	ON1291601				
SIC Code:	326198				
SIC Description:	All Other Plastic Product Manufacturing				
Approval Years:	2010				
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:	213				
Waste Class Name:	PETROLEUM DISTILLATES				
Waste Class:	252				
Waste Class Name:	WASTE OILS & LUBRICANTS				
Waste Class:	265				
Waste Class Name:	GRAPHIC ART WASTES				
Waste Class:	212				
Waste Class Name:	ALIPHATIC SOLVENTS				
Waste Class:	251				
Waste Class Name:	OIL SKIMMINGS & SLUDGES				
Waste Class:	145				
Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	241				
Waste Class Name:	HALOGENATED SOLVENTS				
Waste Class:	122				
Waste Class Name:	ALKALINE WASTES - OTHER METALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	10 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN

Generator No: ON1291601
SIC Code: 326198
SIC Description: All Other Plastic Product Manufacturing
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 265
Waste Class Name: GRAPHIC ART WASTES

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

9	11 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
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Generator No: ON1291601
SIC Code: 326198
SIC Description: All Other Plastic Product Manufacturing
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Name:		241 HALOGENATED SOLVENTS			
Waste Class: Waste Class Name:		252 WASTE OILS & LUBRICANTS			
Waste Class: Waste Class Name:		265 GRAPHIC ART WASTES			
Waste Class: Waste Class Name:		145 PAINT/PIGMENT/COATING RESIDUES			
Waste Class: Waste Class Name:		122 ALKALINE WASTES - OTHER METALS			
Waste Class: Waste Class Name:		251 OIL SKIMMINGS & SLUDGES			
Waste Class: Waste Class Name:		213 PETROLEUM DISTILLATES			
Waste Class: Waste Class Name:		212 ALIPHATIC SOLVENTS			

9	12 of 33	WSW/201.4	105.8 / 0.34	Ropak Canada Inc. 2240 Wynecroft Road Oakville Regional Municipality of Halton L6L 6M1 TOWN OF OAKVILLE ON	EBR
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EBR Registry No:	012-1832	Decision Posted:	
Ministry Ref No:	4045-9HBPBV	Exception Posted:	
Notice Type:	Instrument Decision	Section:	
Notice Stage:		Act 1:	
Notice Date:	May 09, 2016	Act 2:	
Proposal Date:	May 22, 2014	Site Location Map:	
Year:	2014		
Instrument Type:	(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)		
Off Instrument Name:			
Posted By:			
Company Name:	Ropak Canada Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	2240 Wynecroft Road, Oakville Ontario, Canada L6L 6M1		
Comment Period:			
URL:			

Site Location Details:

2240 Wynecroft Road Oakville Regional Municipality of Halton L6L 6M1 TOWN OF OAKVILLE

9	13 of 33	WSW/201.4	105.8 / 0.34	ROPAK PACKAGING 2240 Wynecroft road Oakville ON L6L6M1	NPRI
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NPRI ID:	8800000592	Org ID:	
Other ID:		Submit Date:	
No Other ID:		Last Modified:	
Track ID:		Contact ID:	
Report ID:		Cont Type:	MED
Report Type:		Contact Title:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Rpt Type ID:				Cont First Name:	
Report Year:	2004			Cont Last Name:	
Not-Current Rpt?:				Contact Position:	
Yr of Last Filed Rpt:				Contact Fax:	
Fac ID:				Contact Ph.:	
Fac Name:	OAKVILLE DIVISION			Cont Area Code:	
Fac Address1:				Contact Tel.:	
Fac Address2:				Contact Ext.:	
Fac Postal Zip:				Cont Fax Area Cde:	
Facility Lat:				Contact Fax:	
Facility Long:				Contact Email:	
DLS (Last Filed Rpt):				Latitude:	
Facility DLS:				Longitude:	
Datum:				UTM Zone:	
Facility Cmnts:				UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	160			Waste Streams:	
Parent Co.:				No Streams:	
No Parent Co.:				Waste Off Sites:	
Pollut Prev Cmnts:				No Off Sites:	
Stacks:				Shutdown:	
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):	16				
Canadian SIC Code:	1699				
SIC Code Description:	Other Plastic Prods. Inds. nec				
American SIC Code:	3089				
NAICS Code (2 digit):	31-33				
NAICS 2 Description:	Manufacturing				
NAICS Code (4 digit):	3261				
NAICS 4 Description:	Plastic Product Manufacturing				
NAICS Code (6 digit):	326198				
NAICS 6 Description:	All Other Plastic Product Manufacturing				
<u>Substance Release Report</u>					
CAS No:		7440-32-6			
Report ID:					
Rpt Period:		2004			
Subst Released:		Titanium (and its compounds)			
Air:		1.723			
Water:					
Land:					
Total Releases:		1.723			
Units:		tonnes			
CAS No:		1333-86-4			
Report ID:					
Rpt Period:		2004			
Subst Released:		Carbon black			
Air:		.038			
Water:					
Land:					
Total Releases:		.038			
Units:		tonnes			
9	14 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON	GEN
Generator No:		ON1291601			
SIC Code:		326198			
SIC Description:		ALL OTHER PLASTIC PRODUCT MANUFACTURING			
Approval Years:		2013			
PO Box No:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		241			
Waste Class Name:		HALOGENATED SOLVENTS			
Waste Class:		265			
Waste Class Name:		GRAPHIC ART WASTES			
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		113			
Waste Class Name:		ACID WASTE - OTHER METALS			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
Waste Class:		331			
Waste Class Name:		WASTE COMPRESSED GASES			

<u>9</u>	15 of 33	WSW/201.4	105.8 / 0.34	Ropak Canada Inc. 2240 Wyecroft Rd Oakville ON L6L 6M1	ECA
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Approval No:	8771-A9DJDC	MOE District:	Halton-Peel
Approval Date:	2016-05-02	City:	
Status:	Approved	Longitude:	-79.72751
Record Type:	ECA	Latitude:	43.414345
Link Source:	IDS	Geometry X:	
SWP Area Name:	Halton	Geometry Y:	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	Ropak Canada Inc.		
Address:	2240 Wyecroft Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4045-9HBPRV-14.pdf		
PDF Site Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	16 of 33	WSW/201.4	105.8 / 0.34	2240 Wyecroft Road Oakville ON L6L 6M1	EHS
Order No:	20160518157			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Site Report			Client Prov/State:	GA
Report Date:	19-MAY-16			Search Radius (km):	.09
Date Received:	18-MAY-16			X:	-79.727885
Previous Site Name:				Y:	43.414527
Lot/Building Size:					
Additional Info Ordered:					

9	17 of 33	WSW/201.4	105.8 / 0.34	Ropak Canada Inc. 2240 Wyecroft Road Oakville ON L6L 6M1	ECA
Approval No:	0571-6LNKPE			MOE District:	Halton-Peel
Approval Date:	2006-02-03			City:	
Status:	Revoked and/or Replaced			Longitude:	-79.72751
Record Type:	ECA			Latitude:	43.414345
Link Source:	IDS			Geometry X:	
SWP Area Name:	Halton			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Ropak Canada Inc.				
Address:	2240 Wyecroft Road				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1288-68XRF3-14.pdf				
PDF Site Location:					

9	18 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
Generator No:	ON1291601				
SIC Code:	326198				
SIC Description:	ALL OTHER PLASTIC PRODUCT MANUFACTURING				
Approval Years:	2015				
PO Box No:					
Country:	Canada				
Status:					
Co Admin:	Joseph Remedios				
Choice of Contact:	CO_OFFICIAL				
Phone No Admin:	905-464-9022 Ext.				
Contaminated Facility:	No				
MHSW Facility:	No				

Detail(s)

Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES
Waste Class:	145
Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES
Waste Class:	113

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		ACID WASTE - OTHER METALS			
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
Waste Class:		265			
Waste Class Name:		GRAPHIC ART WASTES			
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		241			
Waste Class Name:		HALOGENATED SOLVENTS			
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		331			
Waste Class Name:		WASTE COMPRESSED GASES			

<u>9</u>	19 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
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Generator No: ON1291601
SIC Code: 326198
SIC Description: ALL OTHER PLASTIC PRODUCT MANUFACTURING
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin: Joseph Remedios
Choice of Contact: CO_OFFICIAL
Phone No Admin: 905-464-9022 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Class: 265
Waste Class Name: GRAPHIC ART WASTES

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 252

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
<u>9</u>	20 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
Generator No:		ON1291601			
SIC Code:		326198			
SIC Description:		ALL OTHER PLASTIC PRODUCT MANUFACTURING			
Approval Years:		2014			
PO Box No:					
Country:		Canada			
Status:					
Co Admin:		Stuart Somerfield			
Choice of Contact:		CO_ADMIN			
Phone No Admin:		416 529 8889 Ext.			
Contaminated Facility:		No			
MHSW Facility:		No			
<u>Detail(s)</u>					
Waste Class:		265			
Waste Class Name:		GRAPHIC ART WASTES			
Waste Class:		113			
Waste Class Name:		ACID WASTE - OTHER METALS			
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		241			
Waste Class Name:		HALOGENATED SOLVENTS			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		331			
Waste Class Name:		WASTE COMPRESSED GASES			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
<u>9</u>	21 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. OAKVILLE 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON1291601 As of Dec 2018 Canada Registered			
<u>Detail(s)</u>					
Waste Class:		113 C			
Waste Class Name:		Acid solutions - containing other metals and non-metals			
Waste Class:		122 C			
Waste Class Name:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		145 H			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
Waste Class:		145 I			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
Waste Class:		148 C			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		148 L			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		212 L			
Waste Class Name:		Aliphatic solvents and residues			
Waste Class:		213 I			
Waste Class Name:		Petroleum distillates			
Waste Class:		213 T			
Waste Class Name:		Petroleum distillates			
Waste Class:		241 H			
Waste Class Name:		Halogenated solvents and residues			
Waste Class:		251 L			
Waste Class Name:		Waste oils/sludges (petroleum based)			
Waste Class:		251 T			
Waste Class Name:		Waste oils/sludges (petroleum based)			
Waste Class:		252 L			
Waste Class Name:		Waste crankcase oils and lubricants			
Waste Class:		331 I			
Waste Class Name:		Waste compressed gases including cylinders			
9	22 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. OAKVILLE 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
Generator No:		ON1291601			
SIC Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description:					
Approval Years:		As of Jul 2020			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		148 C			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		251 L			
Waste Class Name:		Waste oils/sludges (petroleum based)			
Waste Class:		212 L			
Waste Class Name:		Aliphatic solvents and residues			
Waste Class:		148 L			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		122 C			
Waste Class Name:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		213 I			
Waste Class Name:		Petroleum distillates			
Waste Class:		113 C			
Waste Class Name:		Acid solutions - containing other metals and non-metals			
Waste Class:		331 I			
Waste Class Name:		Waste compressed gases including cylinders			
Waste Class:		241 H			
Waste Class Name:		Halogenated solvents and residues			
Waste Class:		251 T			
Waste Class Name:		Waste oils/sludges (petroleum based)			
Waste Class:		267 C			
Waste Class Name:		Organic acids			
Waste Class:		145 H			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
Waste Class:		145 I			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
Waste Class:		213 T			
Waste Class Name:		Petroleum distillates			
Waste Class:		252 L			
Waste Class Name:		Waste crankcase oils and lubricants			
<u>9</u>	23 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. OAKVILLE 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
Generator No:		ON1291601			
SIC Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description:					
Approval Years:		As of Nov 2021			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		241 H			
Waste Class Name:		Halogenated solvents and residues			
Waste Class:		122 C			
Waste Class Name:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		213 T			
Waste Class Name:		Petroleum distillates			
Waste Class:		251 T			
Waste Class Name:		Waste oils/sludges (petroleum based)			
Waste Class:		213 I			
Waste Class Name:		Petroleum distillates			
Waste Class:		148 L			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		331 I			
Waste Class Name:		Waste compressed gases including cylinders			
Waste Class:		113 C			
Waste Class Name:		Acid solutions - containing other metals and non-metals			
Waste Class:		148 C			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		267 C			
Waste Class Name:		Organic acids			
Waste Class:		212 L			
Waste Class Name:		Aliphatic solvents and residues			
Waste Class:		145 H			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
Waste Class:		145 I			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
Waste Class:		252 L			
Waste Class Name:		Waste crankcase oils and lubricants			
Waste Class:		251 L			
Waste Class Name:		Waste oils/sludges (petroleum based)			
9	24 of 33	WSW/201.4	105.8 / 0.34	ROPAK CANADA INC. OAKVILLE 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	GEN
Generator No:		ON1291601			
SIC Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description:					
Approval Years:		As of Oct 2022			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		145 I			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		213 T			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		267 C			
Waste Class Name:		ORGANIC ACIDS			
Waste Class:		241 H			
Waste Class Name:		HALOGENATED SOLVENTS			
Waste Class:		148 C			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		331 I			
Waste Class Name:		WASTE COMPRESSED GASES			
Waste Class:		251 L			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
Waste Class:		148 L			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		113 C			
Waste Class Name:		ACID WASTE - OTHER METALS			
Waste Class:		212 L			
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		145 H			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252 L			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		213 I			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		251 T			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
Waste Class:		122 C			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			

<u>9</u>	25 of 33	WSW/201.4	105.8 / 0.34	2240 wyecroft road Oakville ON L6L 6M1	EHS
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Order No:	22070400032	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Standard Report	Client Prov/State:	ON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Date:	07-JUL-22			Search Radius (km): .25	
Date Received:	04-JUL-22			X: -79.7278939	
Previous Site Name:	Ropak Packaging			Y: 43.4146558	
Lot/Building Size:					
Additional Info Ordered:					

<u>9</u>	26 of 33	WSW/201.4	105.8 / 0.34	2240 Wyecroft Road Oakville ON	EHS
Order No:	22012800621			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Express Report			Client Prov/State:	IL
Report Date:	31-JAN-22			Search Radius (km):	.25
Date Received:	28-JAN-22			X:	-79.728859
Previous Site Name:				Y:	43.414823
Lot/Building Size:					
Additional Info Ordered:					

<u>9</u>	27 of 33	WSW/201.4	105.8 / 0.34	ROPAK - OAKVILLE 2240 WYECROFT ROAD OAKVILLE ON L6L 6M1	NPR2
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NPRI ID:	29085	Latitude:	43.41453
Facility ID:	419466	Longitude:	-79.72784
Note:	Substances included on NPRI reports for this NPRI ID are summarized below in the NPRI ID Substances Summary section. Substances listed in the Substances Summary are included on the basis of NPRI ID only. For entities (NPRI ID) with mobile plants and/or more than one facility location, substances listed above may or may not have been reported for specific facilities/mobile locations. The list of substances additionally includes those which have been included on the NPRI report with an unknown quantity or a quantity of 0.		

For specific details about substance quantities, years, release/transfer/disposal methods, the reader is referred the facility report:

<https://pollution-waste.canada.ca/national-release-inventory/?fromYear=1993&toYear=2022&name=29085>

NPRI ID Substances Summary

CAS No:	NA - M09	Is PAH?:	FALSE
Is VOC?:	FALSE	NPRI:	TRUE
Is DF?:	FALSE		
Name English:	PM10 - Particulate Matter <= 10 Micrometers		
Name French:	PM10 - Matière particulaire <= 10 micromètres		
Sort English:	PM10 - Particulate Matter <= 10 Micrometers		
Sort French:	PM10 - Matière particulaire <= 10 micromètres		

CAS No:	NA - M10	Is PAH?:	FALSE
Is VOC?:	FALSE	NPRI:	TRUE
Is DF?:	FALSE		
Name English:	PM2.5 - Particulate Matter <= 2.5 Micrometers		
Name French:	PM2,5 - Matière particulaire <= 2,5 micromètres		
Sort English:	PM2.5 - Particulate Matter <= 2.5 Micrometers		
Sort French:	PM2,5 - Matière particulaire <= 2,5 micromètres		

Geographic Location

DLS Description:		Datum:	1983.0
NTS Description:	D-099-G/030-M-5	Forward Sort Area:	L6L
Latitude:	43.41453	SOMA:	TRUE
Longitude:	-79.72784	ON PEMA:	TRUE
Census Subdiv ID:	3524001	QC PEMA:	FALSE
Ecozone ID:	8	Quebec Windsor Corr:	TRUE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Survey ID:	2			Province Code:	ON
<u>NPRI ID Facility ID</u>					
NPRI ID:		29085			
Facility ID:		419466			
<u>Facility</u>					
Facility ID:	419466			IDM ID:	26865
Portable:	FALSE			AB Approval ID:	0
NAICS Primary:	326198			GHGRP ID:	0
NAICS Secondary:	0			ON GHGRP ID:	
NAICS Tertiary:	0				
Facility Name:		ROPAK - Oakville			
Website:					
<u>Address</u>					
Address1:		2240 Wyecroft Road			
Address2:					
City:		OAKVILLE			
Postal Zip:		L6L 6M1			
Prov:					
<u>Address Geographic</u>					
Latitude:	43.4145			Datum:	1983
Longitude:	-79.7278			Land Survey:	
UTM Easting:	0.000000			Topograph:	
UTM Northing:	0.000000			Additional Info:	
UTM Zone:	0				
<u>Primary NAICS Details</u>					
NAICS Code:	326198			Start Date:	1993
Record Year:	1997			End Date:	2001
Key Indus Sector En:		Plastics and Rubber			
Key Indus Sector Fr:		Plastiques et caoutchouc			
NAICS Title En:		All Other Plastic Product Manufacturing			
NAICS Title Fr:		Fabrication de tous les autres produits en plastique			
NAICS Description En:					
NAICS Description Fr:					
NAICS Code:	326198			Start Date:	1993
Record Year:	2002			End Date:	2006
Key Indus Sector En:		Plastics and Rubber			
Key Indus Sector Fr:		Plastiques et caoutchouc			
NAICS Title En:		All Other Plastic Product Manufacturing			
NAICS Title Fr:		Fabrication de tous les autres produits en plastique			
NAICS Description En:					
NAICS Description Fr:					
NAICS Code:	326198			Start Date:	1993

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Record Year:	2007			End Date:	2011
Key Indus Sector En:		Plastics and Rubber			
Key Indus Sector Fr:		Plastiques et caoutchouc			
NAICS Title En:		All Other Plastic Product Manufacturing			
NAICS Title Fr:		Fabrication de tous les autres produits en plastique			

NAICS Description En:

NAICS Description Fr:

NAICS Code:	326198			Start Date:	1993
Record Year:	2012			End Date:	2016
Key Indus Sector En:		Plastics and Rubber			
Key Indus Sector Fr:		Plastiques et caoutchouc			
NAICS Title En:		All other plastic product manufacturing			
NAICS Title Fr:		Fabrication de tous les autres produits en plastique			

NAICS Description En:

This Canadian industry comprises establishments, not classified to any other Canadian industry, primarily engaged in manufacturing plastic products.

NAICS Description Fr:

Cette classe canadienne comprend les établissements qui ne figurent dans aucune autre classe canadienne et dont l'activité principale est la fabrication de produits en plastique.

NAICS Code:	326198			Start Date:	2017
Record Year:	2017			End Date:	2021
Key Indus Sector En:		Plastics and Rubber			
Key Indus Sector Fr:		Plastiques et caoutchouc			
NAICS Title En:		All other plastic product manufacturing			
NAICS Title Fr:		Fabrication de tous les autres produits en plastique			

NAICS Description En:

This Canadian industry comprises establishments, not classified to any other Canadian industry, primarily engaged in manufacturing plastic products.

NAICS Description Fr:

Cette classe canadienne comprend les établissements qui ne figurent dans aucune autre classe canadienne et dont l'activité principale est la fabrication de produits en plastique.

NPRI Report

Report ID:	313308	Repor Type ID:	8
Report Year:	2020	New Reporter:	FALSE
NPRI ID:	29085	No of Employees:	140
Company ID:	171639	Is Compressor:	FALSE
Facility ID:	419466	Is NPRI Part 4:	FALSE
SWR Report ID:	2553	Is Battery:	FALSE

Company

Company Name:	Ropak Canada Inc.
Trade Name En:	
Trade Name Fr:	
DUNS No:	0
Website:	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>NPRI Report Contact</u>					
Contact Type:	NPRI			Phone:	905-827-9340
First Name:	Shubi			Extension:	
Last Name:	Bhattacharya			Fax:	
Email:	shubi.bhattacharaya@mauserpackaging.com				
Description En:	Public Contact				
Description Fr:	Responsable des renseignements au public				
Position:					
Language:	E				
Company Name:					
<u>NPRI ID Facility ID</u>					
NPRI ID:	29085				
Facility ID:	280147				
<u>NPRI Report</u>					
Report ID:	89591			Repor Type ID:	1
Report Year:	2016			New Reporter:	FALSE
NPRI ID:	29085			No of Employees:	140
Company ID:	109696			Is Compressor:	FALSE
Facility ID:	280147			Is NPRI Part 4:	TRUE
SWR Report ID:	88474			Is Battery:	FALSE
<u>Company</u>					
Company Name:	Ropak Canada Inc.				
Trade Name En:					
Trade Name Fr:					
DUNS No:	0				
Website:					
<u>NPRI Report</u>					
Report ID:	70213			Repor Type ID:	1
Report Year:	2019			New Reporter:	FALSE
NPRI ID:	29085			No of Employees:	140
Company ID:	113799			Is Compressor:	FALSE
Facility ID:	280147			Is NPRI Part 4:	TRUE
SWR Report ID:	158958			Is Battery:	FALSE
<u>Company</u>					
Company Name:	Ropak Canada Inc.				
Trade Name En:					
Trade Name Fr:					
DUNS No:	0				
Website:					
<u>NPRI Report</u>					
Report ID:	19834			Repor Type ID:	1
Report Year:	2015			New Reporter:	TRUE
NPRI ID:	29085			No of Employees:	140
Company ID:	113799			Is Compressor:	FALSE
Facility ID:	280147			Is NPRI Part 4:	TRUE
SWR Report ID:	76073			Is Battery:	FALSE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Company

Company Name: Ropak Canada Inc.
 Trade Name En:
 Trade Name Fr:
 DUNS No: 0
 Website:

NPRI Report

Report ID:	89590	Repor Type ID:	1
Report Year:	2018	New Reporter:	FALSE
NPRI ID:	29085	No of Employees:	140
Company ID:	109696	Is Compressor:	FALSE
Facility ID:	280147	Is NPRI Part 4:	TRUE
SWR Report ID:	150985	Is Battery:	FALSE

Company

Company Name: Ropak Canada Inc.
 Trade Name En:
 Trade Name Fr:
 DUNS No: 0
 Website:

NPRI Report

Report ID:	89592	Repor Type ID:	1
Report Year:	2017	New Reporter:	FALSE
NPRI ID:	29085	No of Employees:	140
Company ID:	109696	Is Compressor:	FALSE
Facility ID:	280147	Is NPRI Part 4:	TRUE
SWR Report ID:	93980	Is Battery:	FALSE

Company

Company Name: Ropak Canada Inc.
 Trade Name En:
 Trade Name Fr:
 DUNS No: 0
 Website:

<u>9</u>	28 of 33	WSW/201.4	105.8 / 0.34	2240 Wyecroft Road Oakville ON	EHS
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Order No:	22012800621	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Standard Express Report	Client Prov/State:	IL
Report Date:	31-JAN-22	Search Radius (km):	.25
Date Received:	28-JAN-22	X:	-79.728859
Previous Site Name:		Y:	43.414823
Lot/Building Size:			
Additional Info Ordered:			

<u>9</u>	29 of 33	WSW/201.4	105.8 / 0.34	2240 wyecroft road Oakville ON L6L 6M1	EHS
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Order No:	22070400032	Nearest Intersection:	
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: C Report Type: Standard Report Report Date: 07-JUL-22 Date Received: 04-JUL-22 Previous Site Name: Ropak Packaging Lot/Building Size: Additional Info Ordered:					
Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7278939 Y: 43.4146558					
<u>9</u>	30 of 33	WSW/201.4	105.8 / 0.34	2240 wyecroft road Oakville ON L6L 6M1	EHS
Order No: 22070400032 Status: C Report Type: Standard Report Report Date: 07-JUL-22 Date Received: 04-JUL-22 Previous Site Name: Ropak Packaging Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7278939 Y: 43.4146558					
<u>9</u>	31 of 33	WSW/201.4	105.8 / 0.34	2240 Wyecroft Road Oakville ON	EHS
Order No: 22012800621 Status: C Report Type: Standard Express Report Report Date: 31-JAN-22 Date Received: 28-JAN-22 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: IL Search Radius (km): .25 X: -79.728859 Y: 43.414823					
<u>9</u>	32 of 33	WSW/201.4	105.8 / 0.34	2240 Wyecroft Road Oakville ON	EHS
Order No: 22012800621 Status: C Report Type: Standard Express Report Report Date: 31-JAN-22 Date Received: 28-JAN-22 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: IL Search Radius (km): .25 X: -79.728859 Y: 43.414823					
<u>9</u>	33 of 33	WSW/201.4	105.8 / 0.34	2240 wyecroft road Oakville ON L6L 6M1	EHS
Order No: 22070400032 Status: C Report Type: Standard Report Report Date: 07-JUL-22 Date Received: 04-JUL-22 Previous Site Name: Ropak Packaging Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7278939 Y: 43.4146558					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 2	WNW/201.6	107.8 / 2.34	ALL-MAR DEVELOPMENTS LIMITED 2195 WYECROFT RD ON OAKVILLE ON	RSC
RSC No:	46019			X:	-79.72749678384517
RA No:				Y:	43.416388204561635
Status:	FILED			Latitude:	43.41638821
Filing Date:				Longitude:	-79.72749678
Date Ack:				UTM Coordinates:	
Date Returned:				Latitude Longitude:	
Approval Date:	January 26, 2009			Accuracy Estimate:	
Cert Date:				Measurement Method:	
Cert Prop Use No:				Mailing Address:	
Curr Property Use:				Telephone:	
Intended Prop Use:				Fax:	
Restoration Type:				Email:	
Soil Type:				Postal Code:	L6H 1A1
Criteria:				Ministry District:	
Stratified (Y/N):				MOE District:	Halton-Peel
Audit (Y/N):				SWP Area Name:	Halton
Entire Leg Prop. (Y/N):				Qual Person Name:	David Scott Naylor
CPU Issu Sect 1686:				Consultant:	
Business Name:	ALL-MAR DEVELOPMENTS LIMITED				
Address:	2195 WYECROFT RD ON				
Legal Desc:					
Site Pin:	24849 - 0089 LT				
Asmt Roll No:					
Project Type:	PRE2011				
Approval Type:	RSC based on Phase One ESA				
Applicable Standards:					
Pdf Link:	https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=46019				
10	2 of 2	WNW/201.6	107.8 / 2.34	2195 Wynecroft Oakville ON	EHS
Order No:	20150608024			Nearest Intersection:	
Status:	C			Municipality:	Oakville
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	12-JUN-15			Search Radius (km):	.25
Date Received:	08-JUN-15			X:	-79.727623
Previous Site Name:				Y:	43.416693
Lot/Building Size:					
Additional Info Ordered:					
11	1 of 6	WSW/240.5	107.2 / 1.72	THERMADYNE WELDING PRODUCTS 2220 WYECROFT RD OAKVILLE ON L6L 5V6	SCT
Established:	1976				
Plant Size (ft²):	50000				
Employment:	50				
--Details--					
Description:	HARDWARE, N.E.C.				
SIC/NAICS Code:	3429				
Description:	CARBON & GRAPHITE PRODUCTS				
SIC/NAICS Code:	3624				
Description:	SIGNS & ADVERTISING SPECIALTIES				
SIC/NAICS Code:	3993				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	2 of 6	WSW/240.5	107.2 / 1.72	PALCO WELDING PRODUCTS CANADA LTD. 2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON0539700 3059 OTHER WIRE PROD. 86,87,88,89			
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
11	3 of 6	WSW/240.5	107.2 / 1.72	THERMADYNE CANADA 30-168 2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON0539700 3059 OTHER WIRE PROD. 92,93,94,95,96			
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		146			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
11	4 of 6	WSW/240.5	107.2 / 1.72	THERMADYNE CANADA 2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	GEN
Generator No: SIC Code: SIC Description: Approval Years:		ON0539700 3059 OTHER WIRE PROD. 97,98,99,00,01,03			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		146			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
11	5 of 6	WSW/240.5	107.2 / 1.72	THERMADYNE CANADA 2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	GEN
Generator No:		ON0539700			
SIC Code:					
SIC Description:					
Approval Years:		02			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
11	6 of 6	WSW/240.5	107.2 / 1.72	THERMADYNE CANADA 2220 WYECROFT ROAD OAKVILLE ON L6L 5V6	GEN
Generator No:		ON0539700			
SIC Code:					
SIC Description:					
Approval Years:		04			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
12	1 of 10	NNW/242.6	107.8 / 2.34	WESTSUN SCENIC EDGE INC. 2139 WYECROFT ROAD OAKVILLE ON L6L 5L7	CA
Certificate #:		8-3167-98-			
Application Year:		98			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Issue Date:		5/14/1998			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		SOLVENT EMISSIONS FROM PAINT SPRAY BOOTH			
Contaminants:					
Emission Control:					

12	2 of 10	NNW/242.6	107.8 / 2.34	WESTSUN SCENIC EDGE INC. 2139 WYECROFT ROAD OAKVILLE ON L6L 5L7	GEN
Generator No:		ON2389500			
SIC Code:		9639			
SIC Description:		OTHER THEA. SERVICES			
Approval Years:		98,99,00,01			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
Waste Class:		263			
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Name:		WASTE COMPRESSED GASES			

12	3 of 10	NNW/242.6	107.8 / 2.34	Agfa Inc. 2139 Wyecroft Road Oakville ON L6L 5L7	GEN
Generator No:		ON8316827			
SIC Code:		551114			
SIC Description:		Head Offices			
Approval Years:		07,08			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Detail(s)

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 265
Waste Class Name: GRAPHIC ART WASTES

12	4 of 10	NNW/242.6	107.8 / 2.34	Shuttle Express Inc. 2139 Wynecroft Rd. Oakville ON L6L 5L7	GEN
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Generator No: ON5228996
SIC Code: 484239
SIC Description: OTHER SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG DISTANCE
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin: Antonella Gismondi
Choice of Contact: CO_ADMIN
Phone No Admin: 905-847-6555 Ext.330
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

12	5 of 10	NNW/242.6	107.8 / 2.34	Shuttle Express Inc. 2139 Wynecroft Rd. Oakville ON L6L 5L7	GEN
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Generator No: ON5228996
SIC Code:
SIC Description:
Approval Years: As of Dec 2017
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 263 L
Waste Class Name: Misc. waste organic chemicals

12	6 of 10	NNW/242.6	107.8 / 2.34	2139 Wynecroft Road Oakville ON L6L 5L7	EHS
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Order No: 20190314003	Nearest Intersection:
Status: C	Municipality:
Report Type: Standard Report	Client Prov/State: ON
Report Date: 19-MAR-19	Search Radius (km): .25
Date Received: 14-MAR-19	X: -79.726886

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Previous Site Name: Lot/Building Size: Additional Info Ordered:				Y: 43.41815 Fire Insur. Maps and/or Site Plans	
12	7 of 10	NNW/242.6	107.8 / 2.34	2139 Wycroft Road Oakville ON L6L 5L7	EHS
Order No: 23011800772 Status: C Report Type: Standard Report Report Date: 23-JAN-23 Date Received: 18-JAN-23 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7269296 Y: 43.4180648	
12	8 of 10	NNW/242.6	107.8 / 2.34	2139 Wycroft Road Oakville ON L6L 5L7	EHS
Order No: 23011800772 Status: C Report Type: Standard Report Report Date: 23-JAN-23 Date Received: 18-JAN-23 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7269296 Y: 43.4180648	
12	9 of 10	NNW/242.6	107.8 / 2.34	2139 Wycroft Road Oakville ON L6L 5L7	EHS
Order No: 23011800772 Status: C Report Type: Standard Report Report Date: 23-JAN-23 Date Received: 18-JAN-23 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7269296 Y: 43.4180648	
12	10 of 10	NNW/242.6	107.8 / 2.34	2139 Wycroft Road Oakville ON L6L 5L7	EHS
Order No: 23011800772 Status: C Report Type: Standard Report Report Date: 23-JAN-23 Date Received: 18-JAN-23 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.7269296 Y: 43.4180648	
13	1 of 2	SE/244.1	104.8 / -0.66	2189 Speers Road Oakville ON L6L 2X9	EHS
Order No: 20100730007 Status: C				Nearest Intersection: Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type: Custom Report Report Date: 8/4/2010 Date Received: 7/30/2010 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Client Prov/State: ON Search Radius (km): 0.25 X: -79.723587 Y: 43.411497					
13	2 of 2	SE/244.1	104.8 / -0.66	2189 Speers Road Oakville ON	EHS
Order No: 20151030014 Status: C Report Type: Standard Report Report Date: 02-NOV-15 Date Received: 30-OCT-15 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: PA Search Radius (km): .25 X: -79.723636 Y: 43.413808					
14	1 of 20	W/246.3	107.8 / 2.34	BULK SYSTEMS C.P. EXPRESS & TRANSPORT, DIV. OF 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	GEN
Generator No: ON0537100 SIC Code: 4562 SIC Description: USED GOODS MOV./ST. Approval Years: 86,87,88,89 PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
Detail(s)					
Waste Class: 213 Waste Class Name: PETROLEUM DISTILLATES					
Waste Class: 251 Waste Class Name: OIL SKIMMINGS & SLUDGES					
Waste Class: 252 Waste Class Name: WASTE OILS & LUBRICANTS					
14	2 of 20	W/246.3	107.8 / 2.34	BULK SYSTEMS 06-119 C.P. EXPRESS & TRANSPORT, DIV. OF 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	GEN
Generator No: ON0537100 SIC Code: 4562 SIC Description: USED GOODS MOV./ST. Approval Years: 92,93,94,95,96,97,98 PO Box No: Country: Status: Co Admin:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
14	3 of 20	W/246.3	107.8 / 2.34	LEVY TRANSPORT LTD. 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	GEN
Generator No:		ON2126400			
SIC Code:		4561			
SIC Description:		GEN. FREIGHT TRUCK.			
Approval Years:		96			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
14	4 of 20	W/246.3	107.8 / 2.34	MONTGOMERY TANK LINES ALSO 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	GEN
Generator No:		ON2126400			
SIC Code:		4561			
SIC Description:		GEN. FREIGHT TRUCK.			
Approval Years:		97,98,99,00			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

14	5 of 20	W/246.3	107.8 / 2.34	MONTGOMERY (OUT OF BUSINESS) 2231 WYECROFT ROAD OAKVILLE ON L6L 5L7	GEN
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Generator No: ON2126400
SIC Code: 4561
SIC Description: GEN. FREIGHT TRUCK.
Approval Years: 01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

14	6 of 20	W/246.3	107.8 / 2.34	Tankmart Parts & service 2231 Wynecroft Road Oakville ON L6L 5L7	GEN
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Generator No: ON2551291
SIC Code: 811199
SIC Description: All Other Automotive Repair and Maintenance
Approval Years: 06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
14	7 of 20	W/246.3	107.8 / 2.34	C P BULK SYSTEMS 2231 WYECROFT RD OAKVILLE ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10456137	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	17531	Facility Location:	
Instance Type:	FS Highway Tank - Gas/Diesel	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

14	8 of 20	W/246.3	107.8 / 2.34	C P BULK SYSTEMS 2231 WYECROFT RD OAKVILLE ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	10456147	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	18250	Facility Location:	
Instance Type:	FS Highway Tank - Gas/Diesel	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2:				External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:	
		FS HIGHWAY TANK - GASOLINE/DIESEL EXP Up to Mar 2012			

14	9 of 20	W/246.3	107.8 / 2.34	TRIMAC TRANSPORTATION SERVICES INC O/A TRIMAC TRANSPORTATION SERVICES LIMITED PARTNERSHIP 2231 WYECROFT RD OAKVILLE ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: Status: Instance ID: Instance Type: Instance Creation Dt: Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2:	10456112 EXPIRED 18595 FS Highway Tank - Gas/Diesel	Expired Date: Max Hazard Rank: Facility Location: Facility Type: Fuel Type 2: Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:	
	FS HIGHWAY TANK - GASOLINE/DIESEL EXP Up to Mar 2012		

14	10 of 20	W/246.3	107.8 / 2.34	BULK SYSTEMS DIVISION OF CANADIAN PACIFIC EXPRESS & TRA	DTNK
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				2231 WYECROFT RD OAKVILLE ON	

Delisted Expired Fuel Safety Facilities

Instance No:	10456122	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	18616	Facility Location:	
Instance Type:	FS Highway Tank - Gas/Diesel	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

14	11 of 20	W/246.3	107.8 / 2.34	BULK SYSTEMS DIVISION OF CANADIAN PACIFIC EXPRESS & TRA 2231 WYECROFT RD OAKVILLE ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	10456118	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	18769	Facility Location:	
Instance Type:	FS Highway Tank - Gas/Diesel	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2: Description: FS HIGHWAY TANK - GASOLINE/DIESEL Original Source: EXP Record Date: Up to Mar 2012					

14	12 of 20	W/246.3	107.8 / 2.34	C P BULK SYSTEMS 2231 WYECROFT RD OAKVILLE ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	10456125	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	19153	Facility Location:	
Instance Type:	FS Highway Tank - Gas/Diesel	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

14	13 of 20	W/246.3	107.8 / 2.34	C P BULK SYSTEMS 2231 WYECROFT RD OAKVILLE ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	10456134	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	19384	Facility Location:	
Instance Type:	FS Highway Tank - Gas/Diesel	Facility Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Creation Dt: Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2:				Fuel Type 2: Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:	
		FS HIGHWAY TANK - GASOLINE/DIESEL			
		EXP			
		Up to Mar 2012			

14	14 of 20	W/246.3	107.8 / 2.34	C P BULK SYSTEMS 2231 WYECROFT RD OAKVILLE ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: Status: Instance ID: Instance Type: Instance Creation Dt: Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2:	10456144 EXPIRED 19294 FS Highway Tank - Gas/Diesel	Expired Date: Max Hazard Rank: Facility Location: Facility Type: Fuel Type 2: Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:
Description: Original Source: Record Date:	FS HIGHWAY TANK - GASOLINE/DIESEL EXP Up to Mar 2012	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	15 of 20	W/246.3	107.8 / 2.34	Tankmart Parts & Service 2231 Wyecroft Road Oakville ON L6L 5L7	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON2551291 811199 All Other Automotive Repair and Maintenance 2009			
Detail(s)					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			
14	16 of 20	W/246.3	107.8 / 2.34	Tankmart Parts & Service 2231 Wyecroft Road Oakville ON L6L 5L7	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON2551291 811199 All Other Automotive Repair and Maintenance 2010			
Detail(s)					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			
14	17 of 20	W/246.3	107.8 / 2.34	Tankmart Parts & Service 2231 Wyecroft Road Oakville ON L6L 5L7	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin:		ON2551291 811199 All Other Automotive Repair and Maintenance 2011			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			
14	18 of 20	W/246.3	107.8 / 2.34	Tankmart Parts & Service 2231 Wyecroft Road Oakville ON L6L 5L7	GEN
Generator No:		ON2551291			
SIC Code:		811199			
SIC Description:		All Other Automotive Repair and Maintenance			
Approval Years:		2012			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			
14	19 of 20	W/246.3	107.8 / 2.34	Tankmart Parts & Service 2231 Wyecroft Road Oakville ON	GEN
Generator No:		ON2551291			
SIC Code:		811199			
SIC Description:		ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE			
Approval Years:		2013			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
14	20 of 20	W/246.3	107.8 / 2.34	Tankmart Parts & Service 2231 Wyecroft Road Oakville ON L6L 5L7	GEN

Generator No: ON2551291
SIC Code: 811199
SIC Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: John F Ransom
Choice of Contact: CO_ADMIN
Phone No Admin: 9054651355 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Unplottable Summary

Total: 17 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	MARPAL PROPERTIES LTD.	WYECROFT RD.	OAKVILLE ON	
CA		Speers Road	Oakville ON	
CA		Pt. of Lot 26 Concession 3 S.D.S	Oakville ON	
CA		Speers Road	Oakville ON	
CA	The Corporation of the Town of Oakville	Wyecroft Rd	Oakville ON	
CA	COOPER CONSTRUCTION LTD.	TRIDON LAND DIV. WYECROFT RD.	OAKVILLE TOWN ON	
CA	732884 ONTARIO LTD. 732887 ONTARIO LTD.	SPEERS RD.	OAKVILLE TOWN ON	
CA	BRONTE PARK PLACE	WYECROFT RD.	OAKVILLE TOWN ON	
CA	VILLAGE AUTO & INDUSTRIAL PARK	INDUSTRIAL SITE WYECROFT RD.	OAKVILLE TOWN ON	
CA	BAMBURGH BUILDING CORPORATION	WYECROFT RD. BRONTE BUS. PARK	OAKVILLE TOWN ON	
CA	NORTHCOTE DEVELOPMENTS LTD.	WYECROFT ROAD	OAKVILLE TOWN ON	
CONV	Autochrome Limited, Precision Platers Ltd. and Manuel Machado	Speers Road	Oakville ON	
CONV	Vac Aero International Inc.	Speers Rd.	Oakville ON	
ECA	The Corporation of the Town of Oakville	Wyecroft Rd	Oakville ON	L6H 0H3
GEN	Trans-Northern Pipelines Inc.	PT LTS 26,27,28,29,30 CON 3	Oakville ON	L6L 2X9
GEN	Trans Northern Pipelines Inc.	Lots 27 & 28 Concession 3 South of Dundas Street,	Oakville ON	L6L2X9
SPL	TRANSPORT TRUCK	SPEERS RD. MOTOR VEHICLE (OPERATING FLUID)	OAKVILLE TOWN ON	

Unplottable Report

Site: **MARPAL PROPERTIES LTD.**
WYECROFT RD. OAKVILLE ON

Database:
CA

Certificate #: 3-0396-85-006
Application Year: 85
Issue Date: 5/27/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Speers Road Oakville ON**

Database:
CA

Certificate #: 3080-4J5QHN
Application Year: 00
Issue Date: 4/6/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Halton
Client Address: 1151 Bronte Road
Client City: Oakville
Client Postal Code: L6M 3L1
Project Description: Watermains
Contaminants:
Emission Control:

Site: **Pt. of Lot 26 Concession 3 S.D.S Oakville ON**

Database:
CA

Certificate #: 3340-4JQR67
Application Year: 00
Issue Date: 4/27/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Halton
Client Address: 1151 Bronte Road
Client City: Oakville
Client Postal Code: L6M 3L1
Project Description: Construction of a watermain along Bridge Road.
Contaminants:
Emission Control:

Site: **Speers Road Oakville ON**

Database:
CA

Certificate #: 7187-4JCJBG
Application Year: 00

Issue Date: 4/13/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Halton
Client Address: 1151 Bronte Road
Client City: Oakville
Client Postal Code: L6M 3L1
Project Description: Watermains
Contaminants:
Emission Control:

Site: *The Corporation of the Town of Oakville
Wycroft Rd Oakville ON*

Database:
[CA](#)

Certificate #: 2385-8AKGF4
Application Year: 2010
Issue Date: 10/26/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *COOPER CONSTRUCTION LTD.
TRIDON LAND DIV. WYECROFT RD. OAKVILLE TOWN ON*

Database:
[CA](#)

Certificate #: 3-2428-88-
Application Year: 88
Issue Date: 2/23/1989
Approval Type: Municipal sewage
Status: Approved in 1989
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *732884 ONTARIO LTD. 732887 ONTARIO LTD.
SPEERS RD. OAKVILLE TOWN ON*

Database:
[CA](#)

Certificate #: 7-0882-88-
Application Year: 88
Issue Date: 6/24/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: BRONTE PARK PLACE
WYECROFT RD. OAKVILLE TOWN ON

Database:
CA

Certificate #: 7-1511-89-
Application Year: 89
Issue Date: 9/15/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: VILLAGE AUTO & INDUSTRIAL PARK
INDUSTRIAL SITE WYECROFT RD. OAKVILLE TOWN ON

Database:
CA

Certificate #: 7-1980-88-
Application Year: 88
Issue Date: 12/7/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: BAMBURGH BUILDING CORPORATION
WYECROFT RD. BRONTE BUS. PARK OAKVILLE TOWN ON

Database:
CA

Certificate #: 3-2434-88-
Application Year: 88
Issue Date: 1/20/1989
Approval Type: Municipal sewage
Status: Approved in 1989
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: NORTHCOTE DEVELOPMENTS LTD.
WYECROFT ROAD OAKVILLE TOWN ON

Database:
CA

Certificate #: 3-1059-90-
Application Year: 90
Issue Date: 6/18/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: *Autochrome Limited, Precision Platers Ltd. and Manuel Machado*
Speers Road Oakville ON

Database:
CONV

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title: Oakville Companies and Company Director fined \$20,000 for Failing to Comply with Ministry Order
Act: Environmental Protection Act (EPA)
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:

Location: Milton
Region:
Ministry District:

Description:

On November 1, 2016, Autochrome Limited was convicted of five offences, was fined \$8,000 plus a victim fine surcharge of \$2,000 and was given 6 months to pay the fine; Precision Platers Ltd. was convicted of five offences, was fined \$8,000 plus a victim fine surcharge of \$2,000 and was given 6 months to pay the fine, and Manuel Machado was convicted of five offences, was fined \$4,000 plus a victim fine surcharge of \$1,000 and was given 6 months to pay the fine.

Background:

Autochrome Limited, Precision Platers Ltd. and Manuel Machado pleaded guilty to five offences each and were fined a total of \$20,000 for failing to comply with a Provincial Officer's Order, contrary to the Environmental Protection Act (EPA). Autochrome Limited owns land on Speers Road in Oakville.

Precision Platers Ltd. operated a chrome plating business at the site between 1964 and early 2010.

Mr. Machado is the sole director of Precision Platers Ltd. and Autochrome Limited and is currently carrying on a metal polishing business at the site.

On September 27, 2013, the ministry issued an order to Manuel Machado, Autochrome Limited and Precision Platers Ltd. to address various off-site environmental impacts from the operations at the site.

Autochrome Limited, Precision Platers Ltd. and Mr. Machado did not comply with the requirements of the order by the deadlines.

The matter was referred to the Ministry's Investigations and Enforcement Branch and following an investigation charges were laid.

URL:

<https://news.ontario.ca/ene/en/2016/12/oakville-companies-and-company-director-fined-20000-for-failing-to-comply-with-ministry-order.html>

Additional Details

Publication Date: December 2, 2016 3:00 P.M.
Count:
Act:
Regulation:
Section:
Act/Regulation/Section:
Date of Offence:
Date of Conviction: On November 1, 2016
Date Charged:
Charge Disposition:
Fine: \$20,000
Synopsis:

Site: *Vac Aero International Inc.*
Speers Rd. Oakville ON

Database:
CONV

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title: Oakville Aerospace Company fined \$25,000 for Failing to Notify Ministry of Oil Spill
Act: Environmental Protection Act (EPA)
Act(s):

Location: Burlington
Region:
Ministry District:

First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:

Vac Aero International Inc. was convicted of one offence under the Environmental Protection Act, was fined \$25,000 plus a victim fine surcharge (VFS) of \$6,000 with 30 days to pay.

Description:
Background:

The conviction relates to failing to notify the ministry of a spill of a pollutant to the natural environment. Vac Aero International Inc. (Vac Aero) operates a facility on Speers Rd. in Oakville (the site) and specializes in heat treating aerospace landing components. In their business, the company uses oil quench vacuum furnaces, with a brand of oil known as Iloquench 33 Oil.

On August 23, 2015, approximately 27,750 litres of oil discharged from an on-site furnace when a joint coupling on the piping system separated. Some of the oil discharged to the storm sewer, which eventually led to 14 Mile Creek, causing a sheen and discolouration on the surface of the creek.

Vac Aero employees eventually identified that the total volume of oil lost from the furnace was greater than the amount captured in the oil-water separator, and placed absorbent pads around the storm sewers on and around the site.

At no point did Vac Aero notify the ministry of the spill.

The Oakville Fire Department notified the ministry's Spills Action Centre (SAC) of the spill and advised that Vac Aero had retained contractors' who were acting to mitigate impacts from the spill.

The incidents were referred to the ministry's Investigations and Enforcement branch, resulting in one charge and one conviction.

URL: <https://news.ontario.ca/ene/en/2017/11/oakville-aerospace-company-fined-25000-for-failing-to-notify-ministry-of-oil-spill.html>

Additional Details

Publication Date: November 24, 2017 10:00 A.M.
Count:
Act:
Regulation:
Section:
Act/Regulation/Section:
Date of Offence: August 23, 2015
Date of Conviction: November 14, 2017
Date Charged:
Charge Disposition:
Fine: \$25,000
Synopsis:

Site: **The Corporation of the Town of Oakville**
Wycroft Rd Oakville ON L6H 0H3

Database:
ECA

Approval No: 3004-C4VQ2A
Approval Date: 2021-07-14
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Halton
MOE District: Halton-Peel
City:
Longitude:
Latitude:
Geometry X: -8871178.238699999
Geometry Y: 5380532.132700004
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the Town of Oakville
Address: Wycroft Rd
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4903-C4NHZ9-14.pdf>
PDF Site Location:

Site: **Trans-Northern Pipelines Inc.**
PT LTS 26,27,28,29,30 CON 3 Oakville ON L6L 2X9

Database:
GEN

Generator No: ON7748617
SIC Code:
SIC Description:

Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Site: **Trans Northern Pipelines Inc.**
Lots 27 & 28 Concession 3 South of Dundas Street, Oakville ON L6L2X9

Database:
GEN

Generator No: ON9715252
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Site: **TRANSPORT TRUCK**
SPEERS RD. MOTOR VEHICLE (OPERATING FLUID) OAKVILLE TOWN ON

Database:
SPL

Ref No: 100838
Year:
Incident Dt: 6/3/1994
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/3/1994
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OAKVILLE TOWN
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Event:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Contaminant Qty:
System Facility Address:

Municipality No: 14403
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved: FD

Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: EQUIPMENT FAILURE
Incident Summary: BACKENTRY:TRANSPORT TRUCK: 4 L LUB OIL TO ROAD,MVA, FD CLEANED UP
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNR), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System:

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Oct 31, 2023

Borehole:

Provincial

[BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors:

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Oct 31, 2023

Compressed Natural Gas Stations:

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Nov 2023

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jan 2024

Certificates of Property Use:

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Feb 29, 2024

Drill Hole Database:

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks:

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry:

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Jan 31, 2024

Environmental Registry:

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Feb 29, 2024

Environmental Compliance Approval:

Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Jan 31, 2024

Environmental Effects Monitoring:

Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Dec 31, 2023

Environmental Issues Inventory System:

Federal [EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2022

List of Expired Fuels Safety Facilities:

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Federal Convictions:

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Oct 2023

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: Oct 31, 2021

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO₂ eq).

Government Publication Date: 2013-Dec 2021

TSSA Historic Incidents:

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

[MINE](#)

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

[MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2024

National Analysis of Trends in Emergencies System (NATES):

Federal

[NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

[NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks:

Federal

[NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

[NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites:

Federal

[NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

[NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

[NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

[NPCB](#)

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory 1993-2020:

Federal

[NPR2](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic:

Federal

[NPRI](#)

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

[OGWE](#)

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 29, 2024

Ontario Oil and Gas Wells:

Provincial

[OOGW](#)

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2023

Inventory of PCB Storage Sites:

Provincial

[OPCB](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial

[ORD](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Feb 29, 2024

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Jan 31, 2024

NPRI Reporters - PFAS Substances:

Federal

PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI:

Federal

PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

Pipeline Incidents:

Provincial

PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing is an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks:

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Feb 29, 2024

Ontario Regulation 347 Waste Receivers Summary:

Provincial

REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition:

Provincial **RSC**

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Feb 2024

Retail Fuel Storage Tanks:

Private **RST**

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Oct 31, 2023

Scott's Manufacturing Directory:

Private **SCT**

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial **SPL**

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Jan 2023; Mar 2023-Dec 2023

Wastewater Discharger Registration Database:

Provincial **SRDS**

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks:

Private **TANK**

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal **TCFT**

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Apr 2023

Variations for Abandonment of Underground Storage Tanks:

Provincial **VAR**

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Jan 31, 2024

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Mar 31 2023

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX IV
Qualifications of Assessor



Qualifications of Assessor – Jessica Ramos

Jessica Ramos is a Project Technologist with the Environmental Due Diligence and Remediation Group. She obtained a Master's degree in Environmental Science from the University of Guelph (U of T) in 2020. During her Master's degree, Jessica gained experience in conducting Phase I Environmental Site Assessments, environmental sampling and the preparation of professional reports. By being part of the Pinchin team, Jessica continues to further her knowledge as she gains experience in conducting Phase I Environmental Site Assessments, environmental monitoring and preparation of professional reports.

APPENDIX V
Photographs



Photo 1 – Site Building A (northwest side).

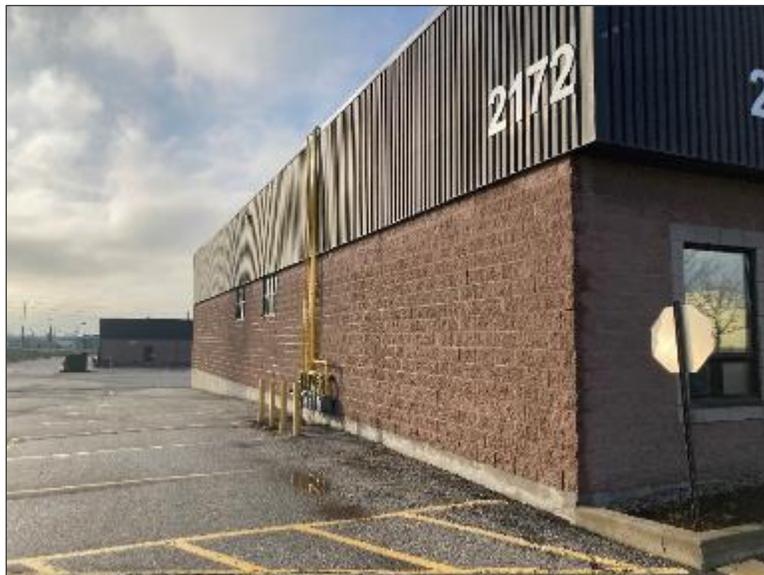


Photo 2 – Site Building A (northeast side).



Photo 3 – Site Building A (southeast side).



Photo 4 – Site Building A (southwest side).



Photo 5 – Site Building B (southwest side).



Photo 6 – Site Building B (northwest side).



Photo 7 – Site Building B (northeast side).



Photo 8 – Site Building B (southeast side).



Photo 9 – Site Building C (northeast side).



Photo 10 – Site Building C (southeast side).



Photo 11 – Site Building C (southwest side).



Photo 12 – Site Building C (northwest side).



Photo 13 – Properties located northwest of the Site.



Photo 14 – Properties located northeast of the Site.



Photo 15 – Properties located southwest of the Site.



Photo 16 – Properties located southeast of the Site.



Photo 17 – Waste oil ASTs located adjacent to the northeast side of Unit 18 of Site Building B.



Photo 18 – Engine oil ASTs located in the southeast interior of Unit 18 of Site Building B.



Photo 19 – View of the interior of Unit 18 of Site Building B.

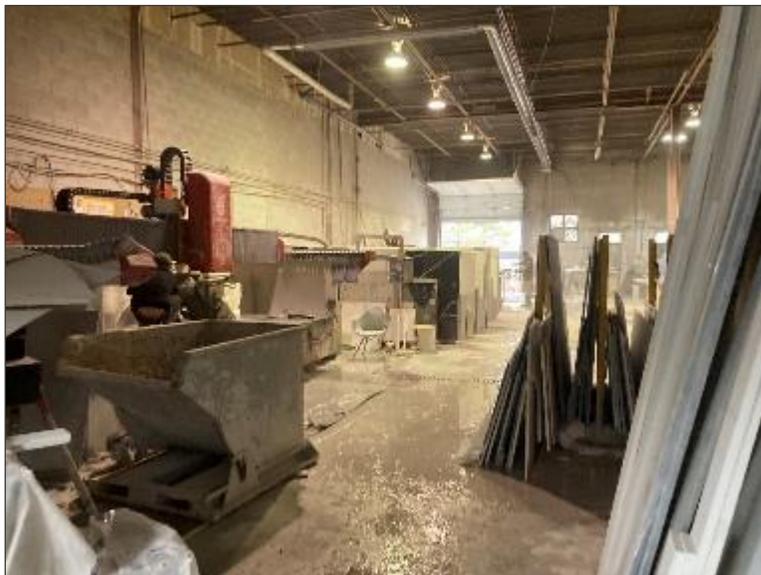


Photo 20 – View of interior of Units 19 and 21 of Site Building B.



Photo 21 – View of the interior of Unit 22 of Site Building C.



Photo 22 – View of interior of Unit 24 of Site Building C.



Photo 23 – View of the interior of Unit 22 of Site Building C.



Photo 24 – View of interior of Unit 24 of Site Building C.



Photo 25 – Suspect mould growth observed in bathroom of Units 19-21 of Site Building B.



Photo 26 – Evidence of sheen observed in pooled water in the wooden berm surrounding the pad-mounted transformer.