G2S Consulting Inc.
4361 Harvester Rd., Unit 12, Burlington, ON L7L 5M4
P 905.331.3735 F 905.642.5999
G2Sconsulting.com

September 10, 2024 Reference No. G2S19650F

Y.E.S. Property Holdings Ltd.
5090 Commerce Boulevard, Suite 200
Mississauga, Ontario
L4W 5M4
Attention: George Kirchmair

Phase One Environmental Site Assessment Update
580 Hazelhurst Road, Mississauga, Ontario

1.0 Introduction

G2S Consulting Inc. (G2S) was retained by Y.E.S. Property Holdings Ltd. to complete a Phase One Environmental Site Assessment (ESA) Update for the property located at 580 Hazelhurst Road in Mississauga, Ontario, hereinafter referred to as the 'Site'. The current owner of the Site is 580 Hazelhurst Road GP Inc.

The following environmental reports were previously completed by G2S for the Site:

a) "*Phase One Environmental Site Assessment, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for 2715623 Ontario Inc., September 3, 2019.

b) *"Building Condition Assessment, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for 2715623 Ontario Inc., September 3, 2019

c) "*Phase Two Environmental Site Assessment, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for 2715623 Ontario Inc., September 10, 2019.

d) *"Phase One Environmental Site Assessment Update, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for Y.E.S. Property Holdings Ltd., September 15, 2022.

e) *"Groundwater Investigation, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for Y.E.S. Property Holdings Ltd., September 19, 2022.

2.0 Terms of Reference and Scope of Work

The purpose of this Phase One ESA Update was to determine the likelihood that one or more contaminants have affected the Phase One ESA Update property from present or past Site activities or from surrounding properties, since the completion of the Phase One ESA Update in 2022. This Phase One ESA Update was completed in accordance with the general requirements of CSA Standard Z768-01 (R2016), which outlines the protocol for Phase One ESAs, and should be read in conjunction with the previous Phase One ESA, Phase Two ESA and Phase One ESA Update reports.

This Phase One ESA Update incorporates the concept of Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs) identified by the Ministry of the Environment, Conservation and Parks (MECP) as outlined in Schedule D (O. Reg. 153/04).

The nature of a Phase One ESA by definition is a nonintrusive site examination of "readily accessible features". Therefore, this Phase One ESA Update assessment does not quantify the chemical or physical quality of the exposed or inaccessible features such as materials beneath buildings or buried on-Site. In this regard, the assessment must be viewed as a mechanism that may assist in reducing, rather than eliminating, the uncertainty of encountering environmental contaminants during future use of the Site.

The Phase One ESA Update scope of work involved a records review, a Site visit, interviews, evaluation of the information gathered and preparation of this report.

3.0 Phase One Property Information

Table 1: General Site Details

Municipal Address	580 Hazelhurst Road
General Site Location	West side of Hazelhurst Road, approximately 700 m north of Lakeshore Road West
Approximate Site Area	15,080 m² (1.5 ha or 3.7 acres)
Property Identification Number (PIN)	13493-0029 (LT)
Legal Description	PT LT 34 CON 3 SDS TORONTO AS IN RO872394 EXCEPT PT 12, 43R17487; T/W RO930120; MISSISSAUGA
Current Site Owner	580 Hazelhurst Road GP Inc.
Current Site Occupant	York1

The Phase One Study Area includes the Site and lands that are within approximately 150 metres of the Site, as shown on Drawing 2 in Appendix A, hereinafter referred to as the Study Area.

4.0 Records Review

4.1 Site Ownership

A land title search for the Site was conducted online at the Teranet Express website for the Peel Region Land Registry Office. The Land Registry document indicates the current owner, 580 Hazelhurst Road GP Inc., was transferred the Site in September 2022 from 580 Hazelhurst Road Ltd. (formerly 1629925 Ontario Ltd.). The Land Registry document is included as Appendix B.

4.2 Environmental Source Information

The following new environmental source information records were found for the Site or properties within the Study Area since the completion of the 2022 Phase One ESA.

4.2.1 Waste Management Records

Properties within the Study Area were searched for records from 2022 to present on the Resource Productivity and Recovery Authority (RPRA) website (formerly Hazardous Waste Inventory Network (HWIN)); current records found are included in Appendix C.

Table 2: HWIN Records

Address Direction and Distance from Site	Generator Name	Registered Wastes
580 Hazelhurst Road Site	York1 Shoring and Foundations Ltd. ON8715562 2022	212 – Aliphatic Solvents 213 – Petroleum Distillates 251 – Oil Skimmings and Sludges 252 – Waste Oils and Lubricants 331 – Waste Compressed Gases
2391 Lakeshore Road West ~25 m east	CRH Canada Group Inc. ON0432200 2022	112 – Acid solutions, sludges and residues containing heavy metals 121 – Alkaline solutions, sludges and residues containing heavy metals 122 – Alkaline solutions, sludges and residues containing other metals and non-metals, not containing cyanides 145 – 145 - Wastes from the use of paints, pigments and coatings 146 – Other specified inorganic sludges, slurries or solids 148 – Miscellaneous waste inorganic chemicals 211 – Aromatic solvents and residues 212 – Aliphatic solvents and residues 213 – Petroleum distillates 221 – Light fuels 222 – Heavy fuels 232 – Polymeric resins 241 – Halogenated solvents and residues 243 – Polychlorinated biphenyls (PCB) 251 – Waste oils/sludges (petroleum based) 252 – Waste crankcase oils and lubricants 262 – Detergents and soaps 263 – Miscellaneous waste Organic chemical 268 – Amines 331 – Waste compressed gases, including cylinders

HWIN records for the Site are considered a PCA. Due to the nature of operations, distance, and direction from the Site, 2391 Lakeshore Road West is also considered a PCA. PCAs are summarized in section 7.2 of this report.

4.2.2 Regulatory Information

Table 3: Environmental Source Information

Document	Source	Pertinent Information
Natural Heritage Areas	MECP online	The southern edge of the Site is identified as Woodland. Woodland and unvalued wetlands are located to the south and southwest of the Site.
National Pollutant Release Inventory (NPRI) database	NPRI online	Search for records in the vicinity of the Site was conducted for 2022 and 2023. One record was found within the Study Area: - 2391 Lakeshore Road West (~ 25 m east), CRH Canada Group Inc. has NPRI records for Cement Manufacturing in 2023.
Environmental Bill of Rights Registry (EBR)	MECP	No new records were found for the Site. Two records were found for 2391 Lakeshore Road West (~ 25 m east) since 2022. - August 24, 2023, ECA (air) for the exhaust of materials relating to cement manufacturing. - December 7, 2023, proposed ECA (air) with Limited Operation Flexibility to replace all former ECAs for the site. This ECA covers all emissions from cement manufacturing including stacks and mills, crushers, loading and transferring, baghouses, natural gas-maintained dryers, separators and diesel generators.
Freedom of Information (FOI) Request	MECP	Requests generally take several weeks to months to generate a response. Should a response from the government agency change the conclusions or recommendations of this report, an addendum letter will be provided along with the information received.
Brownfields Environmental Site Registry	MECP online	No records were found for the Site or Study Area
Technical Standards and Safety Authority (TSSA)	TSSA via email	No records were found for the Site or within adjacent and up-gradient properties.

The records for 2391 Lakeshore Road West were deemed to represent a PCA and are summarized in Section 7.2 of this report. The environmental source information is included in Appendix C.

4.2.3 Physical Setting Sources

An aerial photograph of the Site and Study Area from 2024 (included as Drawing 4 in Appendix A) was reviewed online at the City of Mississauga Interactive Map website. No changes to the physical setting of the Site or Study Area were identified through the aerial photograph.

4.4 Previous Environmental Reports

G2S previously completed the following environmental reports for the Site:

1. "*Phase One Environmental Site Assessment, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for 2715623 Ontario Inc., September 3, 2019.

    - G2S was retained by 2715623 Ontario Inc. to complete a Phase One Environmental Assessment for the Site. The Site and surrounding 150 m radius properties (Study Area) were investigated for PCAs and APECs.
    - The Site is approximately 1.54 hectares in size and accessed via Hazelhurst Road. The Site is developed with two single-storey slab on grade buildings; one being an office, and the other a repair shop for engines and motors.
    - The Site and properties located within the Study Area are used for industrial purposes.
    - Two APECs were identified on-Site;
        - Current and historic storage and repair of heavy machinery
        - Current and historic above-ground storage tanks (ASTs) observed in poor condition
    - One APEC was identified off-Site;
        - Current and historic use of the northwest adjacent property as storage of shipping containers and as a generator of waste oils and lubricants
    - A Phase Two ESA was recommended.

2. *"Building Condition Assessment, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for 2715623 Ontario Inc., September 3, 2019.

    - G2S was retained by 2715623 Ontario Inc. to complete a Building Condition Assessment for the single storey, slab on-grade office building.
    - The building contains offices, a boardroom, a utility room, kitchen, and washrooms.
    - The building was assessed for structure, heating, cooling, ventilation, insulation, electrical system, roofing, building envelope, interior and exterior components, and fire protection systems.
    - G2S concluded the building to be in good condition, and well maintained. Recommendations were made for regular roof maintenance, periodic inspection and replacement of roof ladder bolts, regular maintenance of fire extinguishers and fire protection equipment, and to enact a 1.5 m buffer surrounding electrical panels and transformers.
    - No major repairs and replacements were expected within the next 5 years.

3. "*Phase Two Environmental Site Assessment, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for 2715623 Ontario Inc., September 10, 2019.

    - G2S was retained by 2715623 Ontario Inc. to conduct a Phase Two ESA based on the findings of the Phase One ESA dated September 3, 2019.

- Five boreholes were drilled on the property, four of which were completed as groundwater monitoring wells. Soil and groundwater samples were collected and analyzed for petroleum hydrocarbons (PHCs), including benzene, toluene, ethylbenzene and xylenes (BTEX), VOCs, PAHs, and metals.
- The analyzed samples were compared to Table 3 Site Condition Standards (SCS) for Industrial, Commercial, Community (ICC) property use for fine grained soils in non-potable groundwater conditions.
- Native soils were determined to be silty sand and silty clay. Groundwater was generally encountered between 1.20 and 1.99 m bgs.
- All groundwater samples submitted for analysis met Table 3 SCS ICC.
- PHC fractions F2, F3 and F4G (gravimetric heavy hydrocarbons) were above the MECP Table 3 Site Condition Standards (SCS) in soil sample BH101 SS1.
- Based on the results of the Phase Two ESA, the Site did not meet the MECP Table 3 SCS.
- PHC impacts were identified in surficial soil (0 – 0.6 m bgs) from borehole BH101, located in the vicinity of the diesel AST on-Site. It was determined that the PHC impacts were likely limited to the shallow soil surrounding the AST as the soil sample collected from BH101 at a depth of 3.0 – 3.6 m bgs did not contain PHC parameters above the MECP Table 3 SCS.
- The identified shallow PHC soil impacts are not anticipated to affect ongoing Site operations.

4. *"Phase One Environmental Site Assessment Update, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for Y.E.S. Property Holdings Ltd., September 15, 2022.

- G2S was retained by Y.E.S. Property Holdings Ltd. to conduct a Phase One ESA Update for the Site to determine the likelihood that one or more contaminants have affected the Phase One ESA Update property from present or past Site activities or from surrounding properties, since the completion of the Phase One ESA in 2019
- No changes occurred to the use of the Site or properties located within the Study Area.
- Four PCAs were identified, two were identified on-Site and two off-Site. The identified on-Site PCAs included the presence of a metal fabrication business and the presence of a diesel fuel aboveground storage tank (AST) and waste oil AST. The on-Site PCAs were considered to not represent APECs, as they were investigated during the 2019 Phase Two ESA. One off-Site PCA, including the commercial trucking and container terminal located on the north adjacent property (584 Hazelhurst Road), was also previously investigated in 2019. The use of the property located at 636 Hazelhurst Road (~150 m northwest) as a waste disposal site, including the remediation of 5,535 metric tonnes of contaminated soil, was not considered a risk to the Site due to the distance from the Site.
- No additional concerns were identified during this Phase One ESA Update. The PHC soil impacts identified during the 2019 Phase Two ESA in the vicinity of the diesel AST are limited to the shallow soil surrounding the AST and do not affect ongoing Site operations. The groundwater results from the Phase Two ESA completed in 2019 met the applicable MECP SCS and the PCAs were judged to represent a low

environmental risk to the Site.

- G2S recommended that monitoring wells MW101 and MW102 be tested to update the groundwater conditions at the Site and to investigate the areas of the ASTs located on-Site.

5. *"Groundwater Investigation, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for Y.E.S. Property Holdings Ltd., September 19, 2022.

- G2S conducted a Groundwater Investigation in September 2022 to update the groundwater conditions at the Site and to investigate the areas of the ASTs located on-Site.
- Groundwater samples were collected from MW101 and MW102. Monitoring wells MW104 and MW105 could not be located at the time of investigation.
- The collected groundwater samples were analyzed for PHCs and BTEX, VOCs, PAHs, and metals, including a metal duplicate submitted as MW105.
- No exceedances of the Table 3 SCS were found.

5.0 Interviews

5.1 Site Personnel

An interview regarding the Site was conducted with Site representatives, Mr. Jim Thomas and Mr. David Rumble, on July 16, 2024.

According to Mr. Rumble, the Site has been used for shoring operations since 1990. There are no underground structures or storage, and the Site has not been excavated.

5.2 Third Party Individuals

Third party individuals were not available for interview at the time of this Phase One ESA.

6.0 Site Reconnaissance

Observations of the Site, adjacent, and surrounding properties were conducted by walking over the Site. Adjacent and surrounding properties were observed from within the Site or by other public means. Refer to Drawing 3 (Site Plan) in Appendix A. Photographs of the Site and the Study Area are included in Appendix D.

Table 4: Site Reconnaissance

Date:	July 16, 2024
Time:	9:30 am
Weather:	Thunderstorm
Person who conducted the Site visit:	Rowan Doherty, B.ESc.
Site Contact/Personnel accompanying G2S during Site visit:	Mr. Jim Thomas

Qualified Person (QP) supervising the Site visit:	Geoff Bell, P. Geo. (limited)
Facility Operating: (Yes/No)	Yes

General Observations:

The Site is currently occupied by York1 and consists of an outdoor storage lot, with two single-storey slab on-grade buildings. One building was constructed in 1990, consisting of seacan shipping containers and is used as a repair shop and material storage, with an office, a breakroom, a transformer, a washroom and a sump pump. The second building is an office building constructed in 2006, with a lobby, offices, a meeting room, breakroom, and washrooms. Heavy machinery is stored on-Site. Seacan containers are stored along the northern extent of the Site. A welding area is also located along the northern property boundary and consists of two shipping containers as walls, with a roof stretched between. One container contains the welding supplies. A tank of approximately 2,200L of waste oil is located to the south of the repair shop, and a 2,200 L tank of diesel is located to the north of the repair shop.

Interior Observations

Item	Observations
Building Observations	Office: tile flooring, drywall, fluorescent lighting throughout. Repair Shop: steel shipping containers, concrete flooring, fluorescent lighting.
Heating and Cooling Systems	Office: Centralised heating and cooling. Repair Shop: 2 small ceiling mounted heating units. A diesel heater is rented in the winter and attached to the exterior of the building, blowing hot air in.
Drains, Pits and Sumps	A floor drain is located in the repair shop, connecting to the municipal sewer system. Washroom of repair shop is on a sump pump.
Mechanical Equipment	Mechanical equipment located within the repair shop includes chainsaws, a hoist (rarely used according to Site Representative), drill press, and small hand-held tools. Welding area contains all welding supplies including welding gun. A transformer is located in the northeastern portion of the repair shop.
Stained Materials	None observed
Noise, Odours, Vibrations	None observed
Storage Tanks and Containers	A generator, compressor, batteries, oils, drilling components, mechanical components, and coolant are stored in repair shop. A room located in the southwest corner of repair shop is designated as a storage space for 50+ 20L pails of hydraulic oils, as well as a mineral sprits parts washer serviced by Safety-Kleen. Welding supplies are located in seacan next to welding area.
Unidentified Substances	None observed
Hazardous Materials and Special Attention Items:	It is noted that a Designated Substances Survey (DSS) was not within the requested scope of work for this Phase One ESA. In this regard, the following is provided for information purposes only and does not constitute a DSS.

(i) Polychlorinated Biphenyls	Polychlorinated Biphenyls (PCBs) were widely used for cooling and lubricating electrical equipment from the 1930s to the 1970s. The use of PCBs was prohibited in the late 1970s. Due to the age of the buildings, it is unlikely for PCBs to be present in building materials.
(ii) Asbestos Containing Materials	Asbestos is a generic term referring to a group of naturally occurring fibrous mineral silicates. Asbestos was used in many products due to its strength and resistance characteristics. Common uses include boiler and pipe insulation, spray-on fireproofing, floor and ceiling tiles, asbestos-cement products, etc. Legislation banned the use of asbestos-containing materials (ACMs) in the mid to late 1980s. Due to the age of the buildings, it is unlikely for ACMs to be present in the buildings.
(iii) Lead	Lead is a heavy metal typically found in pipes, batteries, lead solder, cabling, insecticides, paints, glass and as an additive to gasoline. In 1976, the federal government limited the amount of lead for interior paints to 0.5% by weight or 5,000 ppm. The Surface Coating Materials Regulation (SOR/2005-109) dated April 19, 2005, as amended, pursuant to the 2005 Hazardous Products Act, revised the standard to limit the amount of lead in certain paints to 0.06% (600 ppm). In October 2010, this was revised to 0.009 % (90 ppm). Due to the age of the buildings, there is the potential for lead based paint to be present on-Site.
(iv) Mercury	Mercury is typically found in a variety of building materials including paints, thermostats and mercury-vapour lamps. It is unlikely for mercury-containing equipment to be present in the buildings on-Site.
v) Ozone Depleting Substances	Ozone-Depleting Substances (ODSs) include any substances containing chlorofluorocarbon (“CFCs”), hydro chlorofluorocarbon (“HCFCs”), halon or any other material capable of destroying ozone in the atmosphere. Federal regulations eliminated the production and import of CFCs by January 1, 1996 and put a freeze on the production and import of HCFC-22 by January 1, 1996. The regulation also requires the complete replacement of HCFC-22 equipment by the year 2020. Potential ODS-containing equipment may be located on-Site including refrigerators and air conditioning units.
(vi) Urea Formaldehyde Foam Insulation	Urea Formaldehyde Foam Insulation (UFFI) was used as an insulation material for existing buildings (commonly houses) from the mid-1970s until its ban in Canada in 1980. It is unlikely for UFFI to be present on-Site.
Site Limitations	No limitations encountered.
Exterior Observations	
Item	**Observations**
Structure Exteriors	Office: Concrete walls and roof Repair Shop: Seacans used for walls and roof
Hazardous Materials	None observed

Storage Tanks and Containers	Compressed gas cylinders are stored in a container to the north of the repair shop. Empty cylinders are stored to the north of the room in designated areas. One 2,200 L double-walled vacuum-sealed AST containing diesel is located on a concrete pad to the north of repair shop. The AST is approximately 4 years old and observed in good condition. Jerry cans of gasoline stored around the Site. One 2,200 L AST containing waste oil is located on a concrete pad located to the south of repair shop. The waste oil AST had recently emptied and was observed in good condition. Drums of coolant and empty drums located next to waste oil tank.
Unidentified Substances	None observed
Wells	Four wells (MW101, MW102, MW104 and MW105) were installed on-Site by G2S in 2019. Only MW101 and MW102 observed during Site visit. Site Representative believes the remaining wells might have been buried during re-grading of the Site. Remaining wells also not found during 2022 Phase One ESA Update.
Potable Water Supply	Municipal (Lake Ontario)
Sewage Disposal	Municipal sewer. Repair shop sump connected into municipal sewer.
Pits and Lagoons	None observed
Stained Materials	None observed
Stressed Vegetation	None observed
Ground Surface	Concrete slabs extending out from buildings, rest of site is exposed ground and asphalt grindings.
Fill Materials	Site was originally graded with fill acquired from jobs around the area, then later re-graded with grindings. The initial grading occurred prior to the 2019 Phase Two ESA, and the re-grading occurred some time in 2019.
Watercourses, Ditches and/or Standing Water	None observed. Due to heavy rains, the Site was flooded during visit. Sewers had also backed up onto property.
Roads, Parking Facilities and Rights of Way	Parking is on-Site to the right of the entrance. Site is accessed via Hazelhurst road.
Noises, Odours, Vibrations	A sewage odour was noted due to sewer flooding. No odours were notes upon returning to Site.
Waste Disposal	Waste disposal is managed privately by the tenant, York1. Dumpsters located to the north of repair shop.
Storage	Seacan containers containing general cement, and long-term parts storage are located along north edge of property. Long-term storage includes generators, urethane pumps, and hydraulic jacks. Equipment is not used on-Site, only stored then transported to job site. Heavy machinery scattered throughout the Site.

6.2 Adjacent Land Uses

Since the completion of the Phase One ESA in 2022, two small ponds have been constructed to the north of 0 Hazelhurst Road. No other significant changes to the surrounding properties have occurred since the completion of the Phase One ESA Update in 2022.

7.0 Review and Evaluation of Information

7.1 Current and Past Site Uses

The current and past uses of the Site are summarized in the following table:

Table 5: Site Uses

Address	Property Use	Years Occupied
580 Hazelhurst Road	Agricultural/rural residential	<1950-1989
	Industrial shoring operations and outdoor storage	1990-Present

7.2 Potentially Contaminating Activities (PCAs)

The following PCAs were identified on and off-Site, and are currently present and/or have been present since the completion of the 2022 Phase One ESA Update by G2S:

Table 6: Potentially Contaminating Activities

Address Direction and Distance from Site	Potentially Contaminating Activity	Description	Years Occupied	Results in an APEC (yes/no)
580 Hazelhurst Road Site	**PCA #28:** Gasoline and associated products storage in Fixed Tanks	Presence of one 2,200 L fixed diesel fuel AST located northwest of the repair shop.	2022-Present	No, investigated during 2019 Phase Two ESA and 2022 Groundwater Investigation.
	PCA #30: Importation of Fill Material of Unknown Quality	The Site was historically graded with fill materials from unknown sites and asphalt grindings.	2019, 2020	No, quality of fill material was tested during the Phase Two ESA in 2019, asphalt grindings not considered a PCA when applied only to the surface.
	PCA #34: Metal Fabrication	Repair of equipment and heavy machinery in repair shop and welding area.	2022-Present	No, investigated during 2019 Phase Two ESA, and 2022 Groundwater Investigation.

Address Direction and Distance from Site	Potentially Contaminating Activity	Description	Years Occupied	Results in an APEC (yes/no)
	PCA #55: Transformer Manufacturing, Processing and Use.	Transformer located within repair shop.	2022-Present	No, transformer located on concrete floor, no evidence of leaking on the floor in that area, concrete floor in good condition.
2391 Lakeshore Road West ~20 m east	**PCA #5:** Asphalt and Bitumen Manufacturing **PCA #12:** Concrete, Cement, and Lime Manufacturing **PCA #28:** Gasoline and associated products storage in Fixed Tanks	Current and historic usage by CRH Canada Group Inc., HWIN records, ECAs.	2022-Present	No, due to the inferred trans gradient location with respect to the inferred groundwater flow direction and asphalt operations are located a large distance from the Site (~250 m northeast).

8.0 Conclusions and Recommendation

The purpose of this Phase One ESA Update was to determine the likelihood that one or more contaminants have affected the Phase One ESA Update property from present or past Site activities or from surrounding properties, since the completion of the Phase One ESA Update in 2022. This Phase One ESA Update was completed in accordance with the general requirements of CSA Standard Z768-01 (R2016), which outlines the protocol for Phase One ESAs, and should be read in conjunction with the previous Phase One ESA report.

No additional concerns were identified during this Phase One ESA Update. The PHC soil impacts identified during the 2019 Phase Two ESA in the vicinity of the diesel AST are limited to the shallow soil surrounding the AST and do not affect ongoing Site operations. The groundwater results from the Phase Two ESA completed in 2019 and the groundwater investigation completed in 2022 met the applicable MECP SCS. The PCAs were judged to represent a low environmental risk to the Site.

G2S recommends that monitoring wells MW101 and MW102 be tested to update the groundwater conditions at the Site and to investigate the areas of the ASTs located on-Site.

It should be noted that if a Record of Site Condition (RSC) is required for the Site under O.Reg. 153/04, further investigation will be required.

9.0 Qualifications of the Assessors

This Phase One ESA Update was conducted by Ms. Rowan Doherty, B.ESc. Ms. Doherty is responsible for the successful completion of field work and reporting. Ms. Doherty has completed numerous projects on behalf of private and public sector clients for industrial, commercial, and residential sites.

This Phase One ESA Update was reviewed by Ms. Stephanie Lewis, B.A. Ms. Lewis has been trained to conduct Phase One and Two ESAs in accordance with the CSA and O. Reg. 153/04, as amended. She is a senior project manager with over 11 years of professional experience specializing in environmental investigations and project management. Her main areas of expertise include Phase One and Phase Two ESAs, project management, site cleanup/remediation, UST and AST removals, and site remediation. She has completed numerous projects on behalf of private and public-sector clients for industrial, commercial, and residential sites.

This Phase One ESA Update was reviewed by Mr. Geoff Bell, P. Geo. Mr. Bell has over 25 years of environmental consulting experience, including Phase One and Two ESAs, hazardous materials management, contaminant hydrogeology, air quality, environmental monitoring and remediation of contaminated sites. Mr. Bell is responsible for the overall management of projects, QA/QC, and health and safety, as well as acting as a technical lead on projects. Mr. Bell is a Qualified Person as defined in Ontario Regulation 153/04 for signing off on Phase One and Two ESAs, remediation reports and Records of Site Condition (RSCs). Mr. Bell has managed numerous asbestos, designated substances and mould assessments, as well as remediation programs.

10.0 References and Supporting Documentation

a) Canadian Standards Association. November 2001. *Z768-0 Phase I Environmental Site Assessment.*

b) Occupational Health and Safety Act - Ministry of Labour (MOL).

f) Hazardous Waste Information Network (HWIN, 2019), www.hwin.ca.

g) Ministry of the Environment, Brownfields Environmental Site Registry, www.ene.gov.on.ca/environet/BESR/index.

h) Ontario's Environmental Registry, www.ebr.gov.on.ca.

i) "*Phase One Environmental Site Assessment, 580 Hazelhurst Road, Mississauga, Ontario*" prepared for 2715623 Ontario Inc., September 3, 2019.

j) "*Building Condition Assessment, 580 Hazelhurst Road, Mississauga, Ontario*" prepared for 2715623 Ontario Inc., September 3, 2019

k) "*Phase Two Environmental Site Assessment, 580 Hazelhurst Road, Mississauga, Ontario*" prepared for 2715623 Ontario Inc., September 10, 2019.

l) "*Phase One Environmental Site Assessment Update, 580 Hazelhurst Road, Mississauga, Ontario*" prepared for Y.E.S. Property Holdings Ltd., September 15, 2022.

m) *"Groundwater Investigation, 580 Hazelhurst Road, Mississauga, Ontario"* prepared for Y.E.S. Property Holdings Ltd., September 19, 2022.

n) "2024 Aerial Photographs, Mississauga." Mississauga Interactive Map. Viewed online at the City of Mississauga Interactive Mapping Website.

11.0 Limitations

This Phase One Environmental Site Assessment (ESA) Update has been prepared for the sole benefit of Y.E.S. Property Holdings Ltd. and is intended to provide a Phase One ESA Update on the Site, 580 Hazelhurst Road in Mississauga, Ontario. The Phase One ESA Update may not be used by any other person or entity without the expressed written consent of Y.E.S. Property Holdings Ltd. and G2S Consulting Inc. (G2S). Any use which a third party makes of this Phase One ESA Update, or any reliance on decisions made based on it, is the responsibility of such third parties. G2S accepts no responsibility for damages, if any suffered by any third party as a result of decisions made or actions based on this Phase One ESA Update. The findings in this Phase One ESA Update are limited to the conditions at the Site at the time of this investigation (August/September 2024) and supplemented by a historical review and data obtained by G2S as described herein as well as information provided by the Site representative as reported herein. Conclusions presented in this Phase One ESA Update should not be construed as legal advice. If Site conditions or applicable standards change or if any additional information becomes available at a future date, changes to the findings, conclusions and recommendations in this Phase One ESA Update may be necessary.

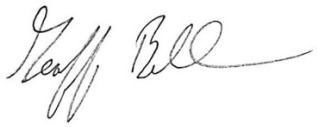
12.0 Closing Remarks

Should you have any questions, please do not hesitate to contact this office.

Yours truly,

G2S Consulting Inc.

Rowan Doherty, B.ESc.
Environmental Technician



Geoff Bell, P.Geo.(limited)
Principal, Senior Geoscientist

Stephanie Lewis, B.A.
Senior Project Manager

Appendix A:
Drawings

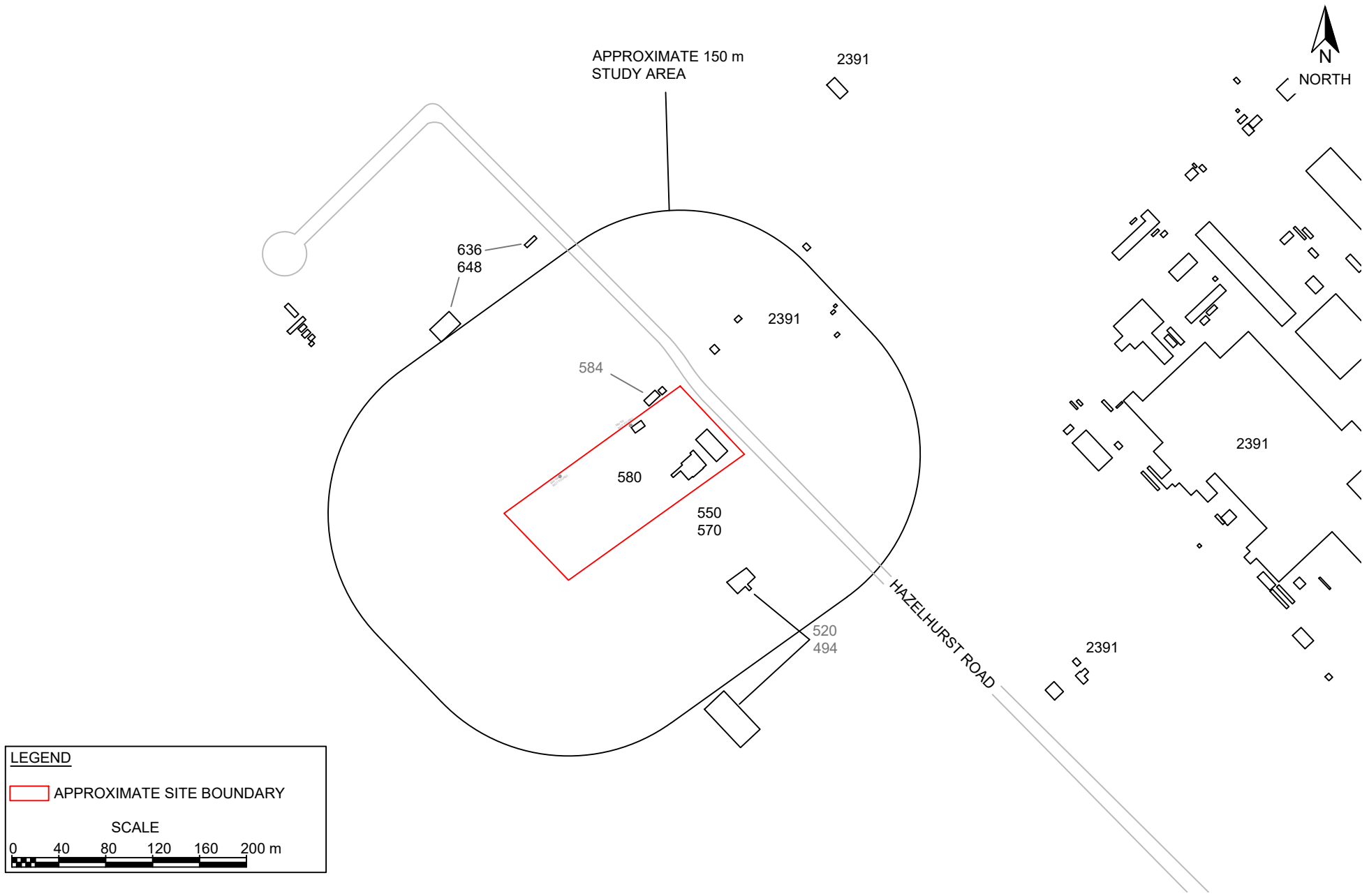
Scale:	N.T.S.
Project No.:	G2S19650
Date:	JULY 2024
Drawn by:	RD
File name:	G2S19650.dwg

SITE LOCATION PLAN
580 HAZELHURST ROAD

MISSISSAUGA ONTARIO

Drawing No.

1



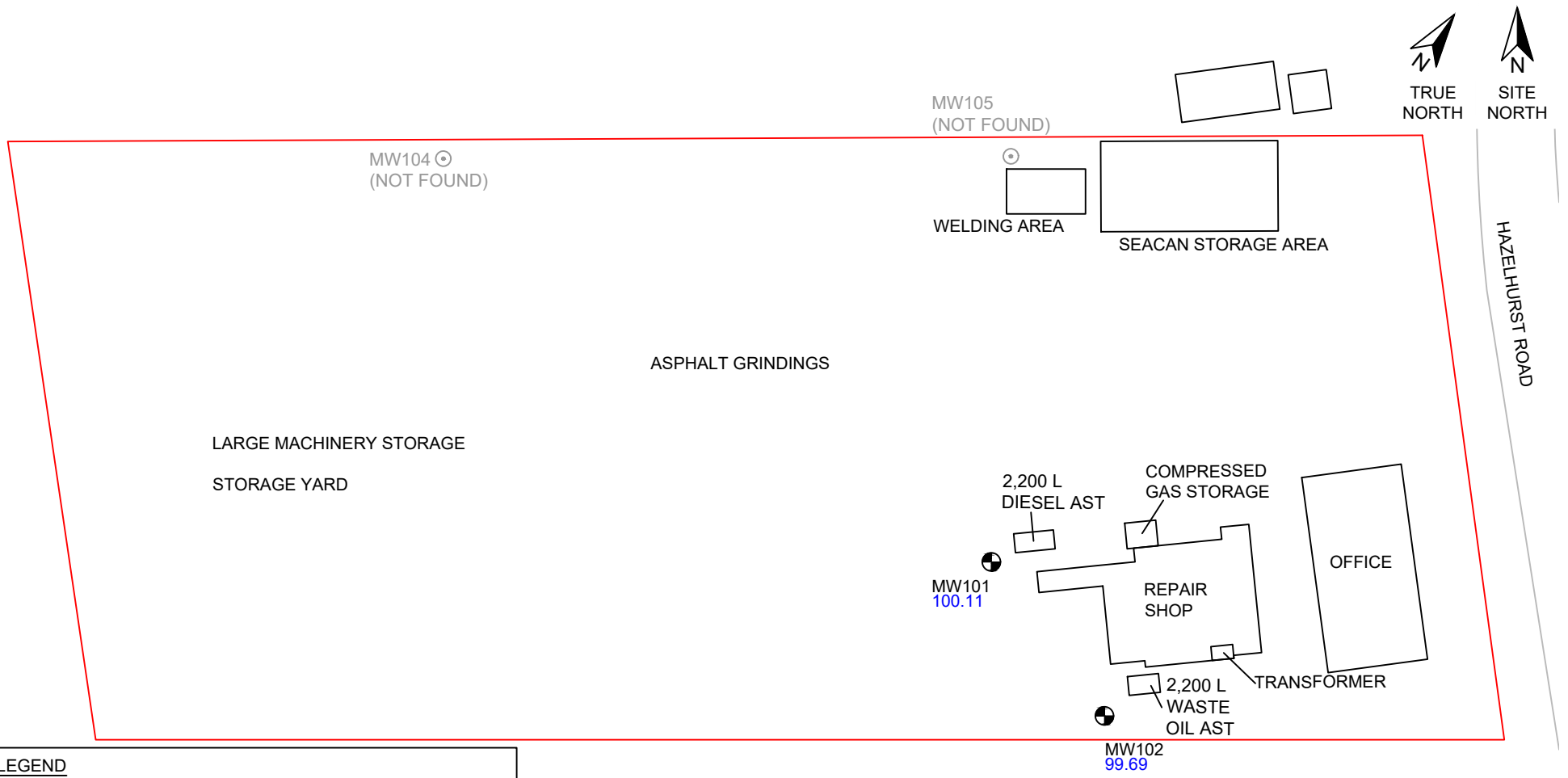
Scale:	AS SHOWN
Project No.:	G2S19650
Date:	JULY 2024
Drawn by:	RD
File name:	G2S19650.dwg

STUDY AREA
580 HAZELHURST ROAD

MISSISSAUGA ONTARIO

Drawing No.

2



LEGEND

- APPROXIMATE SITE BOUNDARY
- EXISTING MONITORING WELL INSTALLED BY G2S (2019)
- MONITORING WELL (NOT FOUND)
- 99.99 MEASURED GROUNDWATER ELEVATION (JULY 2024)

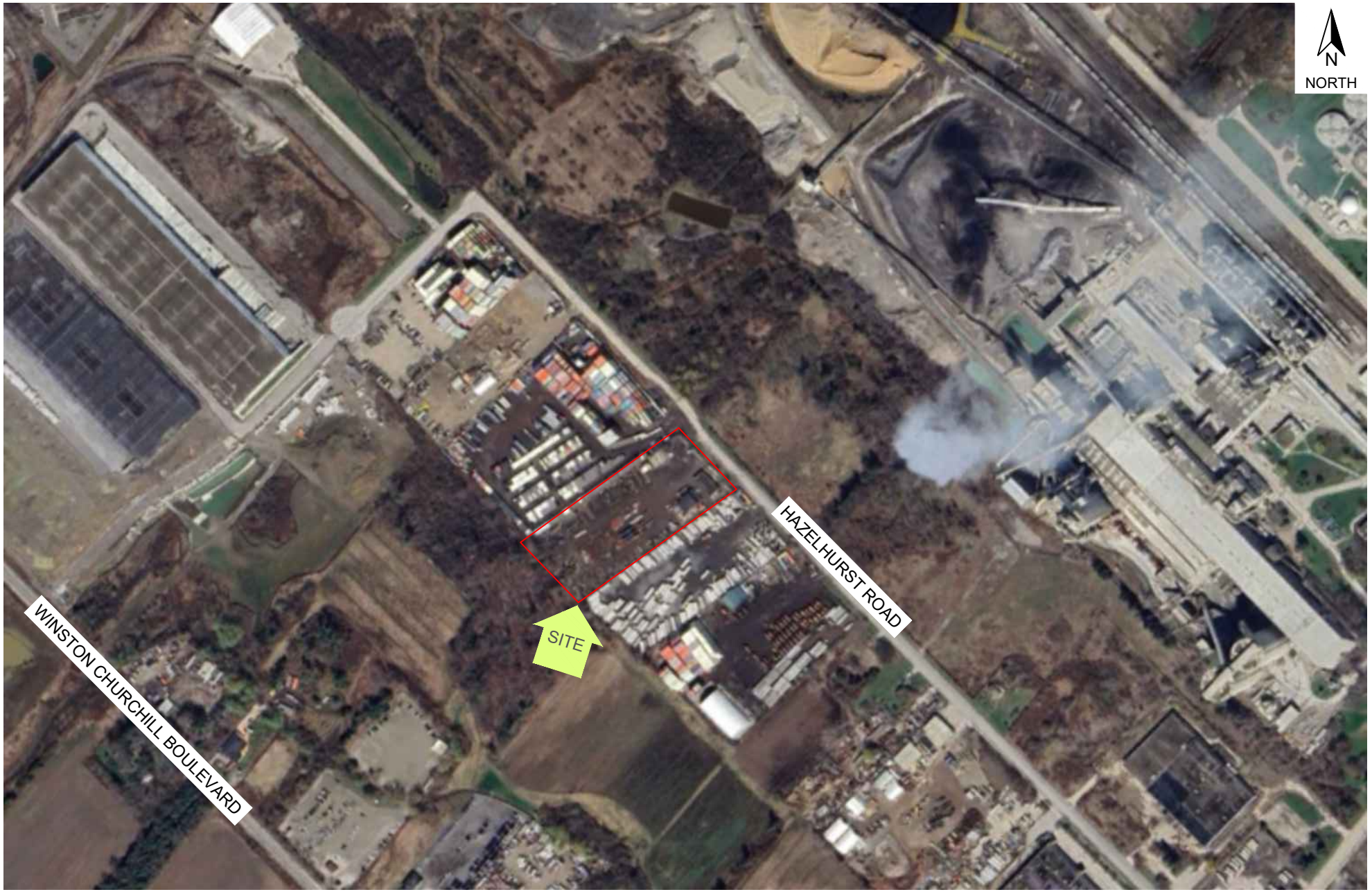
SCALE
0 5 10 15 20 25 m

Scale:	AS SHOWN
Project No.:	G2S19650
Date:	JULY 2024
Drawn by:	RD
File name:	G2S19650.dwg

SITE PLAN
580 HAZELHURST ROAD

MISSISSAUGA ONTARIO

Drawing No.
3



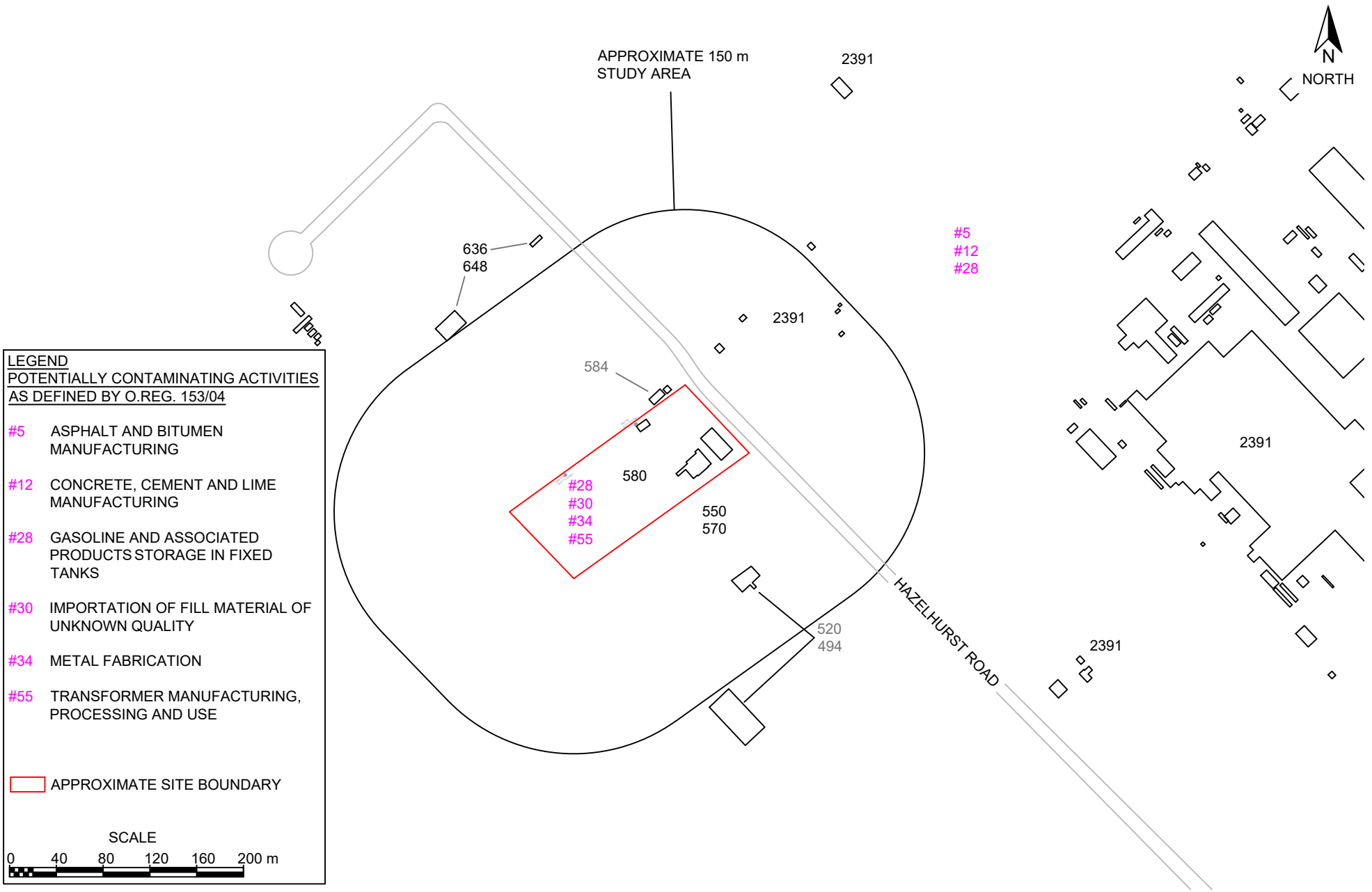
Scale:	N.T.S.
Project No.:	G2S19650
Date:	JULY 2024
Drawn by:	RD
File name:	G2S19650.dwg

2024 AERIAL PHOTOGRAPH
580 HAZELHURST ROAD

MISSISSAUGA ONTARIO

Drawing No.

4



Scale:	AS SHOWN
Project No.:	G2S19650
Date:	JULY 2024
Drawn by:	RD
File name:	G2S19650.dwg

POTENTIALLY CONTAMINATING ACTIVITIES
580 HAZELHURST ROAD

MISSISSAUGA ONTARIO

Drawing No.

5

Appendix B:
Site Ownership

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 34 CON 3 SDS TORONTO AS IN RO872394 EXCEPT PT 12, 43R17487; T/W RO930120 ; MISSISSAUGA

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 13493-0119

PIN CREATION DATE:
1999/03/25

OWNERS' NAMES
580 HAZELHURST ROAD GP INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/03/18 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/03/25						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1999/03/25 ***						
*** RANGE SPECIFIED FOR SEARCH: FROM 2021/01/01 TO 2024/07/22 ***						
***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:*						
*** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES **						
*** AND ESCHEATS OR FORFEITURE TO THE CROWN.*						
*** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF*						
*** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY*						
*** CONVENTION.*						
*** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.*						
***DATE OF CONVERSION TO LAND TITLES: 1999/03/26 ***						
PR4116619	2022/09/16	NO DET/SURR LEASE		*** COMPLETELY DELETED *** RUMBLE FOUNDATIONS (ONTARIO) LTD.	1629925 ONTARIO LIMITED	
REMARKS: PR3548029.						
PR4116620	2022/09/16	APL CH NAME OWNER		*** COMPLETELY DELETED *** 1629925 ONTARIO LIMITED	580 HAZELHURST ROAD LTD.	
PR4116621	2022/09/16	NOTICE OF LEASE	$2	580 HAZELHURST ROAD LTD.	RUMBLE FOUNDATIONS (ONTARIO) LTD.	C
PR4121308	2022/09/27	TRANSFER	$9,470,000	580 HAZELHURST ROAD LTD.	580 HAZELHURST ROAD GP INC.	C
REMARKS: PLANNING ACT STATEMENTS.						
PR4121309	2022/09/27	CHARGE	$6,500,000	580 HAZELHURST ROAD GP INC.	WADSWORTH MORTGAGE CAPITAL CORPORATION	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
PR4121310	2022/09/27	NO ASSGN RENT GEN		580 HAZELHURST ROAD GP INC.	WADSWORTH MORTGAGE CAPITAL CORPORATION	C
REMARKS: PR4121309						
PR4121316	2022/09/27	NO ASSGN RENT SPEC		580 HAZELHURST ROAD GP INC.	WADSWORTH MORTGAGE CAPITAL CORPORATION	C
REMARKS: PR4116621.						

Appendix C:
Environmental Source Information

CRH Canada Group Inc.

Instrument type: Environmental Compliance Approval (air) (/taxonomy/term/374)

ERO (Environmental Registry of Ontario) number	019-6276
Ministry reference number	8246-CHVJJQ
Notice type	Instrument
Act	Environmental Protection Act, R.S.O. 1990
Posted by	Ministry of the Environment, Conservation and Parks
Notice stage	Decision
Decision posted	August 24, 2023
Comment period	November 15, 2022 - December 30, 2022 (45 days) Closed
Last updated	August 24, 2023

This consultation was open from:

November 15, 2022
to December 30, 2022

Decision summary

This approval is for an Environmental Compliance Approval (air) for CRH Canada Group for the operation of a cement manufacturing facility, located in the City of Mississauga, Ontario.

Location details

Site address

2391 Lakeshore Road West
Mississauga, ON
Canada

Site location map

The location pin reflects the approximate area where environmental activity is taking place.

View this location on a map (https://maps.google.com/?q=43.49096,-79.621867)

Proponent(s)

CRH Canada Group Inc.
2391 Lakeshore Road West
Mississauga, ON
L5J 1K1
Canada

Decision details

This approval is for an Environmental Compliance Approval (air) for CRH Canada Group for the operation of a cement manufacturing facility, located in the City of Mississauga, Ontario. This approval includes the Cement Mill # (number)6 baghouses and all emission sources from the facility that exhaust to the atmosphere, including

- suspended particulate matter
- aluminum oxide
- antimony
- arsenic
- barium
- beryllium
- bismuth
- boron
- cadmium
- calcium oxide
- chromium
- cobalt
- copper
- iron
- lead

- lithium
- magnesium oxide
- manganese
- mercury
- molybdenum
- nickel
- phosphorus pentachloride
- potassium
- selenium
- silicon
- silica (crystalline)
- silver
- sodium hydroxide
- strontium
- tellurium
- thallium
- tin
- titanium
- vanadium
- zinc

Comments received

Through the registry	By email	By mail
0	0	0

View comments submitted through the registry (/notice/019-6276/comments)

Effects of consultation

No comments were received.

Supporting materials

Related files

ECA_8866-CTVHLH.pdf (https://prod-environmental-registry.s3.amazonaws.com/2023-08/ECA_8866-CTVHLH.pdf)
pdf (Portable Document Format file) 547.96 KB

View materials in person

Some supporting materials may not be available online. If this is the case, you can request to view the materials in person.

Get in touch with the office listed below to find out if materials are available.

Client Services and Permissions Branch
135 St. Clair Avenue West
Floor 1
Toronto, ON
M4V 1P5
Canada

416-314-8001 or 1-800-461-6290

How to Appeal

This instrument decision can be appealed. You have 15 days from August 24, 2023 to begin the appeal process.

Carefully review the information below to learn more about the appeal process.

How to appeal

Start the process to appeal

If you're an Ontario resident, you can start the process to appeal this instrument decision.

First, you'll need to seek leave (i.e. get permission) from the relevant appellate body to appeal the decision.

If the appellate body grants leave, the appeal itself will follow.

Seek leave to appeal

To seek leave to appeal, you need to do these three things:

1. prepare your application
2. provide notice to the minister
3. mail your application to three parties

1. Prepare your application

You'll need to prepare an application. You may wish to include the following things in your application:

1. A document that includes:
- your name, phone number, fax number (if any), and/or email address
- the ERO (Environmental Registry of Ontario) number and ministry reference number (located on this page)
- a statement about whether you are a resident in Ontario
- your interest in the decision, and any facts you want taken into account in deciding whether you have an interest in the decision
- the parts of the instrument that you're challenging
- whether the decision could result in significant harm to the environment
- the reason(s) why you believe that no reasonable person – having regard to the relevant law and to any government policies developed to guide decisions of that kind – could have made the decision
- the grounds (facts) you'll be using to appeal
- the outcome you'd like to see

2. A copy of the instrument (approval, permit, order) that you you are seeking leave to appeal. You'll find this in the decision notice on the Environmental Registry
3. Copies of all supporting documents, facts and evidence that you'll be using to appeal

What is considered

The appeal body will consider the following two questions in deciding whether to grant you leave to appeal:

1. is there is good reason to believe that no reasonable person, with respect to the relevant law and to any government policies developed to guide decisions of that kind, could have made the decision?

2. could the decision you wish to appeal result in significant harm to the environment?

2. Provide your notice

You'll need to provide notice to the Minister of the Environment, Conservation and Parks that you're seeking leave to appeal.

In your notice, please include a brief description of the:

- decision that you wish to appeal
- grounds for granting leave to appeal

You can provide notice by email at **minister.mecp@ontario.ca** or by mail at:

College Park 5th Floor, 777 Bay St.
Toronto, ON (Ontario)
M7A 2J3

3. Mail your application

You'll need to mail your application that you prepared in step #1 to each of these three parties:

- appellate body
- issuing authority (the ministry official who issued the instrument)
- proponent (the company or individual to whom the instrument was issued)

Proponent(s)	CRH Canada Group Inc. 2391 Lakeshore Road West Mississauga, ON L5J 1K1 Canada
Appellate body	Registrar, Ontario Land Tribunal 655 Bay Street, Suite 1500 Toronto, Ontario M5G 1E5 (416) 212-6349 (866) 448-2248 **OLT.Registrar@ontario.ca**

About the Ontario Land Tribunal (https://olt.gov.on.ca/about-olt/)

Include the following:

ERO (Environmental Registry of Ontario) number	019-6276
Ministry reference number	8246-CHVJJQ

> This is not legal advice. Please refer to the **Environmental Bill of Rights (https://www.ontario.ca/laws/statute/93e28)** for exact legal requirements. Consult a lawyer if you need help with the appeal process.

Connect with us

Contact

Client Services and Permissions Branch

416-314-8001 or 1-800-461-6290

enviropermissions@ontario.ca

Original proposal

ERO (Environmental Registry of Ontario) number	019-6276

Ministry reference number	8246-CHVJJQ
Notice type	Instrument
Act	Environmental Protection Act, R.S.O. 1990
Posted by	Ministry of the Environment, Conservation and Parks
Proposal posted	November 15, 2022
Comment period	November 15, 2022 - December 30, 2022 (45 days)

Proposal details

This proposal is for an amendment to Environmental Compliance Approval (air) No. (number) 109/4/324 for CRH Canada Group Inc. (incorporated) for the operation of a cement manufacturing facility, located at 2391 Lakeshore Road West in the City of Mississauga, Ontario.

The emissions sources from the facility that exhaust to the atmosphere include:

- raw material delivery, storage, crushing and transfers
- fuel preparation and storage
- clinker manufacturing and storage
- cement manufacturing and storage
- bulk loading and dispatch
- ancillary and support operations, including room heating and cooling, maintenance operations, and QA/QC testing

The application addresses renovations and material changes proposed to be made to the Cement Mill #6 operation.

Contaminant emissions to the atmosphere include:

- suspended particulate matter
- aluminum oxide,
- calcium oxide
- chromium (VI (six))
- iron
- magnesium oxide
- phosphorus pentachloride
- sodium hydroxide
- chloroform

Supporting materials

View materials in person

Some supporting materials may not be available online. If this is the case, you can request to view the materials in person.

Get in touch with the office listed below to find out if materials are available.

Client Services and Permissions Branch
135 St. Clair Avenue West
Floor 1
Toronto, ON
M4V 1P5
Canada

416-314-8001 or 1-800-461-6290

Comment

Commenting is now closed.

This consultation was open from November 15, 2022 to December 30, 2022

Connect with us

Contact

Client Services and Permissions Branch

416-314-8001 or 1-800-461-6290

enviropermissions@ontario.ca

Ontario Environmental Registry of Ontario

CRH Canada Group Inc.

Instrument type: Environmental Compliance Approval (air) (/taxonomy/term/374)

ERO (Environmental Registry of Ontario) number	019-8010
Ministry reference number	0694-CX7LM3
Notice type	Instrument
Act	Environmental Protection Act, R.S.O. 1990
Posted by	Ministry of the Environment, Conservation and Parks
Notice stage	Proposal
Proposal posted	December 7, 2023
Comment period	December 7, 2023 - January 21, 2024 (45 days) Closed
Last updated	December 7, 2023

This consultation was open from:

December 7, 2023
to January 21, 2024

Proposal summary

This proposal is for an Environmental Compliance Approval with Limited Operational Flexibility (air) from the Ash Grove Mississauga Cement Plant, owned by CRH Canada Group Inc. (Incorporated), a cement manufacturing facility located in the City of Mississauga, Ontario.

Location details

Site address

2391 Lakeshore Road West
Mississauga, ON
Canada

Site location map

The location pin reflects the approximate area where environmental activity is taking place.

View this location on a map (https://maps.google.com/?q=43.490073,-79.621288)

Proponent(s)

CRH Canada Group Inc.
2391 Lakeshore Road West
Mississauga, ON
L5J 1K1
Canada

Proposal details

This proposal is for an Environmental Compliance Approval with Limited Operational Flexibility (air) which replaces all the current Environmental Compliance Approvals for air at this facility and includes the addition of new, or historically unapproved, sources for all emissions from CRH Canada Group Inc. (Incorporated), a cement manufacturing facility located in the City of Mississauga, Ontario.

The application includes all sources at the facility, including:

- stacks and mills
- crushers
- loading and transferring emissions
- baghouses
- natural gas material dryers
- separators
- diesel generators

Emissions to the air from this facility include:

- suspended particulate matter
- aluminum oxide
- barium

- calcium
- chromium compounds (metallic, divalent and trivalent forms)
- cobalt
- nickel and nickel compounds
- potassium
- silicon
- tin

The Environmental Compliance Approval with Limited Operational Flexibility (air), when issued, permits modifications to the facility subject to limits on operational flexibility that include a production limit for the facility to be specified on the Environmental Compliance Approval with Limited Operational Flexibility (air).

The limited operational flexibility conditions have an expiry date. The company will be required to make an application for amendment at that time to renew these conditions

Supporting materials

View materials in person

Some supporting materials may not be available online. If this is the case, you can request to view the materials in person.

Get in touch with the office listed below to find out if materials are available.

Client Services and Permissions Branch
135 St Clair Ave West
1st Floor
Toronto, ON
M4V 1P5
Canada

416-314-8001 or 1-800-461-6290

Comment

Commenting is now closed.

The comment period was from December 7, 2023 to January 21, 2024

Connect with us

Contact

Client Services and
Permissions Branch

416-314-8001 or 1-800-461-6290

enviropermissions@ontario.ca

Ontario

Ministry of Natural Resources and Forestry

Make-a-Map: Natural Heritage Areas

Enter map title

Map created:7/8/2024

Notes:

G2S19650

Legend

- Assessment Parcel
- Evaluated Wetland
- Provincially Significant/considérée d'importance provinciale
- Non-Provincially Significant/non considérée d'importance provinciale
- Unevaluated Wetland
- Woodland

0.2 0 0.08 0.2 Kilometres

Absence of a feature in the map does not mean they do not exist in this area.

This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry(OMNRF) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

Government of Canada Gouvernement du Canada

Facility Report

Information for Mississauga Cement Plant

Reporting year	2022
Company	CRH Canada Group Inc.
Company Mailing Address	General Delivery Suite 400 2300 Steeles Avenue West Concord Ontario L4K 5X6 Canada
Facility	Mississauga Cement Plant
NPRI ID	2182
Facility Physical Address	2391 Lakeshore Road Mississauga Ontario L5J 1K1 Canada

Facility details

Business number	100969906
DUNS Number	
Number of full-time employee equivalents	141
Contact information	Preet Kaur Position: Environmental Coordinator Phone: 416-569-8076 Ext: Email: preet.kaur@ashgrove.com Contact Language: English
Parent company	N/A
Typical days of operation	Monday / Tuesday / Wednesday / Thursday / Friday / Saturday / Sunday
Operating hours	24
Start time	00:00
Shutdown periods	
Activities	

Period	Start	End	Duration (day)	Same Time Next Year	Partial Shutdown
1	2022-03-15	2022-04-13	29	Yes	Yes

Report details

Type	NPRI Inventory
Last Updated	2023-06-01, 12:40:39
All years' reports	**NPRI Inventory:** 2023, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996, 1995, 1994, 1993
Facility comments	N/A

Other comments for the facility	N/A
Report comments	N/A
Facility is case 3	No
Facility is case 4	No

Geographical details

Latitude	43.4972
Longitude	-79.6277
Datum	1983
Census sub-division	Mississauga
Census division	Peel
Economic area	Toronto
Census metropolitan and agglomeration area	Toronto
Ecozone	MixedWood Plain
Major drainage area	St. Lawrence Drainage Area
Land Survey Description	N/A
National Topographic Description	D-091-J/030-M-5
Additional information	

Industry details

Key industrial sector	Cement, Lime and Other Non-Metallic Minerals
NAICS2	32 - Manufacturing
NAICS4	3273 - Cement and concrete product manufacturing
Primary NAICS6	327310 - Cement manufacturing
Secondary NAICS6	0 -
Tertiary NAICS6	0 -

Pollution prevention

Pollution prevention - Plan details

Does the facility have a P2 plan?	The facility does not have a P2 plan
Reason for plan preparation	
Recent update	The report was not updated during the reporting year
Target of plan	

Other facility identifiers

ID number	Program
1069	ON GHG ID
G10192	GHGRP Identification Number

Permits

Permit number	Issuing Agency
Reg194	Ontario Regulation 194 - Nox, SO2

Summary

Substance	CAS number	Units[1]	Releases				Disposals and Transfers				Reporting Threshold Met
			Air	Water	Land	Total[2]	On-site disposals[3]	Off-site disposals	Off-site treatment	Off-site recycling	
Ammonia (total)	NA - 16	tonnes	89.27	-	-	89.27	-	-	-	-	Yes
Arsenic (and its compounds)	NA - 02	kg	0.84	-	-	0.84	-	-	-	-	Yes
Carbon monoxide	630-08-0	tonnes	5,200.46	-	-	5,200.46	-	-	-	-	Yes
Chlorine	7782-50-5	tonnes	2.18	-	-	2.18	-	-	-	-	Yes
Chloroform	67-66-3	tonnes	-	-	-	0.01	-	-	-	-	Yes
Chromium (and its compounds)	NA - 04	tonnes	-	-	-	0.01	-	-	-	-	Yes
Cobalt (and its compounds)	NA - 05	kg	0.26	-	-	0.26	-	-	-	-	Yes
Dichloromethane	75-09-2	tonnes	-	-	-	0.07	-	-	-	-	Yes
Dioxins and furans - total	NA - D/F	g TEQ	-	-	-	-	-	-	-	-	Yes
Ethylbenzene	100-41-4	tonnes	1.69	-	-	1.69	-	-	-	-	No
Fluorene	86-73-7	kg	7.13	-	-	7.13	-	-	-	-	Yes
Hexachlorobenzene	118-74-1	grams	31.20	-	-	31.20	-	-	-	-	Yes
Hydrochloric acid	7647-01-0	tonnes	24.51	-	-	24.51	-	-	-	-	Yes
Lead (and its compounds)	NA - 08	kg	3.97	-	-	3.97	-	-	-	-	Yes
Mercury (and its compounds)	NA - 10	kg	30.51	-	-	30.51	-	-	-	-	Yes
Methyl ethyl ketone	78-93-3	tonnes	-	-	-	0.15	-	-	-	-	Yes
Nitrogen oxides (expressed as nitrogen dioxide)	11104-93-1	tonnes	1,997.19	-	-	1,997.19	-	-	-	-	Yes
Phenanthrene	85-01-8	kg	29.09	-	-	29.09	-	-	-	-	Yes
PM10 - Particulate Matter <= 10 Micrometers	NA - M09	tonnes	59.01	-	-	59.01	-	-	-	-	Yes
PM2.5 - Particulate Matter <= 2.5 Micrometers	NA - M10	tonnes	20.03	-	-	20.03	-	-	-	-	Yes
Quinoline	91-22-5	kg	8.31	-	-	8.31	-	-	-	-	Yes
Selenium (and its compounds)	NA - 12	kg	1.15	-	-	1.15	-	-	-	-	Yes
Sulphur dioxide	7446-09-5	tonnes	1,138.69	-	-	1,138.69	-	-	-	-	Yes
Tetrachloroethylene	127-18-4	tonnes	-	-	-	0.01	-	-	-	-	No
Toluene	108-88-3	tonnes	5.83	-	-	5.83	-	-	-	-	Yes
Total particulate matter	NA - M08	tonnes	135.89	-	-	135.89	-	-	-	-	Yes

Substance	CAS number	Units[1]	Releases				Disposals and Transfers				Reporting Threshold Met
			Air	Water	Land	Total[2]	On-site disposals[3]	Off-site disposals	Off-site treatment	Off-site recycling	
Volatile Organic Compounds (Total)	NA - M16	tonnes	109.56	-	-	109.56	-	-	-	-	Yes
Xylene (all isomers)	1330-20-7	tonnes	1.43	-	-	1.43	-	-	-	-	Yes

Comments

Substance	CAS number	Comment Type	Comment
Chlorine	7782-50-5	On-site releases comment	Increase in quantities reported due to updated source testing.
Chromium (and its compounds)	NA - 04	On-site releases comment	Increase in quantities reported due to updated source testing.
Mercury (and its compounds)	NA - 10	On-site releases comment	Increased operating hours of VRM on kiln gas
Methyl ethyl ketone	78-93-3	On-site releases comment	Increased operating hours of VRM on kiln gas
Quinoline	91-22-5	On-site releases comment	Increased operating hours of VRM on kiln gas
Sulphur dioxide	7446-09-5	On-site releases comment	Decrease in quantities reported due to updated CEMS data, decrease in kiln/abs/afm/ccc operating hours, generally looking to lower SO2.
Toluene	108-88-3	On-site releases comment	Increase in quantities reported due to updated source testing.
Xylene (all isomers)	1330-20-7	On-site releases comment	Decrease in quantities reported due to updated source testing.

Footnote 1

Units: tonnes; kg (kilograms); g (grams); g TEQ (grams of Toxic Equivalent)

Footnote 2

Total releases include releases to air, water, land and unspecified media (less than one tonne).

Footnote 3

As of the 2006 reporting year, the Disposal columns include information on tailings and waste rock disposals. Negative numbers are possible for on-site disposal of tailings and waste rock, which would reflect a net removal of the substances from the tailings or waste rock management area.

Releases to air

Substance	CAS number	Units	Stack/Point	Storage/Handling	Fugitive	Spills	Road Dust	Other	Total

Substance	CAS number	Units	Stack/Point	Storage/Handling	Fugitive	Spills	Road Dust	Other	Total
Ammonia (total)	NA - 16	tonnes	89.27	-	-	-	-	-	89.27
Arsenic (and its compounds)	NA - 02	kg	0.84	-	-	-	-	-	0.84
Carbon monoxide	630-08-0	tonnes	5,200.46	-	-	-	-	-	5,200.46
Chlorine	7782-50-5	tonnes	2.18	-	-	-	-	-	2.18
Cobalt (and its compounds)	NA - 05	kg	0.26	-	-	-	-	-	0.26
Ethylbenzene	100-41-4	tonnes	1.69	-	-	-	-	-	1.69
Fluorene	86-73-7	kg	7.13	-	-	-	-	-	7.13
Hexachlorobenzene	118-74-1	grams	31.20	-	-	-	-	-	31.20
Hydrochloric acid	7647-01-0	tonnes	24.51	-	-	-	-	-	24.51
Lead (and its compounds)	NA - 08	kg	3.97	-	-	-	-	-	3.97
Mercury (and its compounds)	NA - 10	kg	30.51	-	-	-	-	-	30.51
Nitrogen oxides (expressed as nitrogen dioxide)	11104-93-1	tonnes	1,997.19	-	-	-	-	-	1,997.19
Phenanthrene	85-01-8	kg	29.09	-	-	-	-	-	29.09
PM10 - Particulate Matter <= 10 Micrometers	NA - M09	tonnes	12.25	-	46.76	-	-	-	59.01
PM2.5 - Particulate Matter <= 2.5 Micrometers	NA - M10	tonnes	8.17	-	11.86	-	-	-	20.03
Quinoline	91-22-5	kg	8.31	-	-	-	-	-	8.31
Selenium (and its compounds)	NA - 12	kg	1.15	-	-	-	-	-	1.15
Sulphur dioxide	7446-09-5	tonnes	1,138.69	-	-	-	-	-	1,138.69
Toluene	108-88-3	tonnes	5.83	-	-	-	-	-	5.83
Total particulate matter	NA - M08	tonnes	19.15	-	116.75	-	-	-	135.89
Volatile Organic Compounds (Total)	NA - M16	tonnes	109.56	-	-	-	-	-	109.56
Xylene (all isomers)	1330-20-7	tonnes	1.43	-	-	-	-	-	1.43

Releases to water

No reported data

Releases to land

No reported data

Releases to unspecified media (less than one tonne) [4]

Substance	CAS number	Units	Total
Chloroform	67-66-3	tonnes	0.01
Chromium (and its compounds)	NA - 04	tonnes	0.01
Dichloromethane	75-09-2	tonnes	0.07
Methyl ethyl ketone	78-93-3	tonnes	0.15
Tetrachloroethylene	127-18-4	tonnes	0.01

Footnote 4

The NPRI allows for reporting of releases of Part 1A substances as an aggregated total for all media, where the total release quantity is less than one tonne. This approach is only allowed for Part 1A substances.

On-site disposals

No reported data

Off-site disposals

No reported data

Transfers for off-site treatment prior to final disposal

No reported data

Transfers for off-site recycling

No reported data

Electricity Generating Units

No reported data

All years data

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
1997	79-00-5	1,1,2-Trichloroethane	tonnes	0.10	-	-	0.10	-	-	-	-
2020	107-06-2	1,2-Dichloroethane	tonnes	-	-	-	-	-	-	-	-
2019	107-06-2	1,2-Dichloroethane	tonnes	-	-	-	0.02	-	-	-	-
2018	107-06-2	1,2-Dichloroethane	tonnes	-	-	-	0.02	-	-	-	-
1996	107-06-2	1,2-Dichloroethane	tonnes	0.00	-	-	0.00	-	-	-	-
1995	107-06-2	1,2-Dichloroethane	tonnes	-	-	-	0.10	-	-	-	-
1994	107-06-2	1,2-Dichloroethane	tonnes	-	-	-	0.13	-	-	-	-
2006	83-32-9	Acenaphthene	kg	0.00	-	-	0.00	-	-	-	-
2023	208-96-8	Acenaphthylene	kg	19.42	-	-	19.42	-	-	-	-
2019	208-96-8	Acenaphthylene	kg	-	-	-	-	-	-	-	-
2018	208-96-8	Acenaphthylene	kg	-	-	-	-	-	-	-	-
2017	208-96-8	Acenaphthylene	kg	2.30	-	-	2.30	-	-	-	-
2016	208-96-8	Acenaphthylene	kg	8.18	-	-	8.18	-	-	-	-
2015	208-96-8	Acenaphthylene	kg	8.00	-	-	8.00	-	-	-	-
2014	208-96-8	Acenaphthylene	kg	8.20	-	-	8.20	-	-	-	-
2013	208-96-8	Acenaphthylene	kg	4.70	-	-	4.70	-	-	-	-
2012	208-96-8	Acenaphthylene	kg	15.20	-	-	15.20	-	-	-	-
2011	208-96-8	Acenaphthylene	kg	13.30	-	-	13.30	-	-	-	-
2010	208-96-8	Acenaphthylene	kg	9.50	-	-	9.50	-	-	-	-
2009	208-96-8	Acenaphthylene	kg	8.71	-	-	8.71	-	-	-	-
2008	208-96-8	Acenaphthylene	kg	9.51	-	-	9.51	-	-	-	-
2007	208-96-8	Acenaphthylene	kg	11.36	-	-	11.36	-	-	-	-
2006	208-96-8	Acenaphthylene	kg	11.70	-	-	11.70	-	-	-	-
2023	NA - 16	Ammonia (total)	tonnes	89.19	-	-	89.19	-	-	-	-
2022	NA - 16	Ammonia (total)	tonnes	89.27	-	-	89.27	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2021	NA - 16	Ammonia (total)	tonnes	89.28	-	-	89.28	-	-	-	-
2020	NA - 16	Ammonia (total)	tonnes	89.36	-	-	89.36	-	-	-	-
2019	NA - 16	Ammonia (total)	tonnes	104.74	-	-	104.74	-	-	-	-
2018	NA - 16	Ammonia (total)	tonnes	79.78	-	-	79.78	-	-	-	-
2017	NA - 16	Ammonia (total)	tonnes	98.94	-	-	98.94	-	-	-	-
2016	NA - 16	Ammonia (total)	tonnes	80.86	-	-	80.86	-	-	-	-
2015	NA - 16	Ammonia (total)	tonnes	144.00	-	-	144.00	-	-	-	-
2014	NA - 16	Ammonia (total)	tonnes	127.00	-	-	127.00	-	-	-	-
2013	NA - 16	Ammonia (total)	tonnes	100.00	-	-	100.00	-	-	-	-
2012	NA - 16	Ammonia (total)	tonnes	107.00	-	-	107.00	-	-	-	-
2011	NA - 16	Ammonia (total)	tonnes	91.00	-	-	91.00	-	-	-	-
2010	NA - 16	Ammonia (total)	tonnes	90.68	-	-	90.68	-	-	-	-
2009	NA - 16	Ammonia (total)	tonnes	50.38	-	-	50.38	-	-	-	-
2008	NA - 16	Ammonia (total)	tonnes	99.44	-	-	99.44	-	-	-	-
2007	NA - 16	Ammonia (total)	tonnes	121.36	-	-	121.36	-	-	-	-
2006	NA - 16	Ammonia (total)	tonnes	119.13	-	-	119.13	-	-	-	-
2005	NA - 16	Ammonia (total)	tonnes	115.72	-	-	115.72	-	-	-	-
2004	NA - 16	Ammonia (total)	tonnes	127.26	-	-	127.26	-	-	-	-
2003	NA - 16	Ammonia (total)	tonnes	105.50	-	-	105.50	-	-	-	-
2002	NA - 16	Ammonia (total)	tonnes	106.00	-	-	106.00	-	-	-	-
2001	NA - 16	Ammonia (total)	tonnes	74.76	-	-	74.76	-	-	-	-
2000	NA - 16	Ammonia (total)	tonnes	89.93	-	-	89.93	-	-	-	-
2023	120-12-7	Anthracene	kg	7.97	-	-	7.97	-	-	-	-
2023	NA - 02	Arsenic (and its compounds)	kg	0.96	-	-	0.96	-	-	-	-
2022	NA - 02	Arsenic (and its compounds)	kg	0.84	-	-	0.84	-	-	-	-
2006	56-55-3	Benz[a]anthracene	kg	0.03	-	-	0.03	-	-	-	-
2005	56-55-3	Benz[a]anthracene	kg	0.03	-	-	0.03	-	-	-	-
2004	56-55-3	Benz[a]anthracene	kg	0.02	-	-	0.02	-	-	-	-
2003	56-55-3	Benz[a]anthracene	kg	0.08	-	-	0.08	-	-	-	-
2002	56-55-3	Benz[a]anthracene	kg	0.03	-	-	0.03	-	-	-	-
2001	56-55-3	Benz[a]anthracene	kg	0.02	-	-	0.02	-	-	-	-
2000	56-55-3	Benz[a]anthracene	kg	0.31	-	-	0.31	-	-	-	-
2021	71-43-2	Benzene	tonnes	-	-	-	-	-	-	-	-
2020	71-43-2	Benzene	tonnes	2.83	-	-	2.83	-	-	-	-
2019	71-43-2	Benzene	tonnes	-	-	-	-	-	-	-	-
2018	71-43-2	Benzene	tonnes	-	-	-	-	-	-	-	-
2017	71-43-2	Benzene	tonnes	3.85	-	-	3.85	-	-	-	-
2016	71-43-2	Benzene	tonnes	5.03	-	-	5.03	-	-	-	-
2015	71-43-2	Benzene	tonnes	4.70	-	-	4.70	-	-	-	-
2014	71-43-2	Benzene	tonnes	5.60	-	-	5.60	-	-	-	-
2013	71-43-2	Benzene	tonnes	3.50	-	-	3.50	-	-	-	-
2012	71-43-2	Benzene	tonnes	2.70	-	-	2.70	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2011	71-43-2	Benzene	tonnes	3.00	-	-	3.00	-	-	-	-
2010	71-43-2	Benzene	tonnes	5.10	-	-	5.10	-	-	-	-
2009	71-43-2	Benzene	tonnes	1.47	-	-	1.47	-	-	-	-
2008	71-43-2	Benzene	tonnes	1.66	-	-	1.66	-	-	-	-
2006	71-43-2	Benzene	tonnes	16.09	-	-	16.09	-	-	-	-
2005	71-43-2	Benzene	tonnes	16.42	-	-	16.42	-	-	-	-
2006	50-32-8	Benzo[a]pyrene	kg	0.01	-	-	0.01	-	-	-	-
2005	50-32-8	Benzo[a]pyrene	kg	0.01	-	-	0.01	-	-	-	-
2004	50-32-8	Benzo[a]pyrene	kg	0.01	-	-	0.01	-	-	-	-
2003	50-32-8	Benzo[a]pyrene	kg	0.05	-	-	0.05	-	-	-	-
2002	50-32-8	Benzo[a]pyrene	kg	0.02	-	-	0.02	-	-	-	-
2001	50-32-8	Benzo[a]pyrene	kg	0.01	-	-	0.01	-	-	-	-
2000	50-32-8	Benzo[a]pyrene	kg	0.11	-	-	0.11	-	-	-	-
2006	205-99-2	Benzo[b]fluoranthene	kg	0.01	-	-	0.01	-	-	-	-
2005	205-99-2	Benzo[b]fluoranthene	kg	0.01	-	-	0.01	-	-	-	-
2004	205-99-2	Benzo[b]fluoranthene	kg	0.01	-	-	0.01	-	-	-	-
2003	205-99-2	Benzo[b]fluoranthene	kg	0.18	-	-	0.18	-	-	-	-
2002	205-99-2	Benzo[b]fluoranthene	kg	0.03	-	-	0.03	-	-	-	-
2001	205-99-2	Benzo[b]fluoranthene	kg	0.01	-	-	0.01	-	-	-	-
2000	205-99-2	Benzo[b]fluoranthene	kg	0.14	-	-	0.14	-	-	-	-
2006	192-97-2	Benzo[e]pyrene	kg	0.03	-	-	0.03	-	-	-	-
2005	192-97-2	Benzo[e]pyrene	kg	0.03	-	-	0.03	-	-	-	-
2004	192-97-2	Benzo[e]pyrene	kg	0.03	-	-	0.03	-	-	-	-
2003	192-97-2	Benzo[e]pyrene	kg	0.14	-	-	0.14	-	-	-	-
2002	192-97-2	Benzo[e]pyrene	kg	0.06	-	-	0.06	-	-	-	-
2001	192-97-2	Benzo[e]pyrene	kg	0.02	-	-	0.02	-	-	-	-
2000	192-97-2	Benzo[e]pyrene	kg	0.25	-	-	0.25	-	-	-	-
2006	191-24-2	Benzo[ghi]perylene	kg	0.00	-	-	0.00	-	-	-	-
2005	191-24-2	Benzo[ghi]perylene	kg	0.00	-	-	0.00	-	-	-	-
2004	191-24-2	Benzo[ghi]perylene	kg	0.06	-	-	0.06	-	-	-	-
2003	191-24-2	Benzo[ghi]perylene	kg	0.04	-	-	0.04	-	-	-	-
2002	191-24-2	Benzo[ghi]perylene	kg	0.03	-	-	0.03	-	-	-	-
2001	191-24-2	Benzo[ghi]perylene	kg	0.00	-	-	0.00	-	-	-	-
2000	191-24-2	Benzo[ghi]perylene	kg	0.05	-	-	0.05	-	-	-	-
2006	207-08-9	Benzo[k]fluoranthene	kg	0.01	-	-	0.01	-	-	-	-
2005	207-08-9	Benzo[k]fluoranthene	kg	0.01	-	-	0.01	-	-	-	-
2004	207-08-9	Benzo[k]fluoranthene	kg	0.01	-	-	0.01	-	-	-	-
2003	207-08-9	Benzo[k]fluoranthene	kg	0.13	-	-	0.13	-	-	-	-
2002	207-08-9	Benzo[k]fluoranthene	kg	0.02	-	-	0.02	-	-	-	-
2001	207-08-9	Benzo[k]fluoranthene	kg	0.01	-	-	0.01	-	-	-	-
2000	207-08-9	Benzo[k]fluoranthene	kg	0.20	-	-	0.20	-	-	-	-
2023	630-08-0	Carbon monoxide	tonnes	6,689.89	-	-	6,689.89	-	-	-	-
2022	630-08-0	Carbon monoxide	tonnes	5,200.46	-	-	5,200.46	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2021	630-08-0	Carbon monoxide	tonnes	5,677.12	-	-	5,677.12	-	-	-	-
2020	630-08-0	Carbon monoxide	tonnes	4,434.04	-	-	4,434.04	-	-	-	-
2019	630-08-0	Carbon monoxide	tonnes	4,775.46	-	-	4,775.46	-	-	-	-
2018	630-08-0	Carbon monoxide	tonnes	3,419.58	-	-	3,419.58	-	-	-	-
2017	630-08-0	Carbon monoxide	tonnes	3,070.63	-	-	3,070.63	-	-	-	-
2016	630-08-0	Carbon monoxide	tonnes	1,431.85	-	-	1,431.85	-	-	-	-
2015	630-08-0	Carbon monoxide	tonnes	1,183.00	-	-	1,183.00	-	-	-	-
2014	630-08-0	Carbon monoxide	tonnes	1,245.00	-	-	1,245.00	-	-	-	-
2013	630-08-0	Carbon monoxide	tonnes	2,780.00	-	-	2,780.00	-	-	-	-
2012	630-08-0	Carbon monoxide	tonnes	5,475.00	-	-	5,475.00	-	-	-	-
2011	630-08-0	Carbon monoxide	tonnes	3,802.00	-	-	3,802.00	-	-	-	-
2010	630-08-0	Carbon monoxide	tonnes	2,868.26	-	-	2,868.26	-	-	-	-
2009	630-08-0	Carbon monoxide	tonnes	2,620.16	-	-	2,620.16	-	-	-	-
2008	630-08-0	Carbon monoxide	tonnes	3,329.10	-	-	3,329.10	-	-	-	-
2007	630-08-0	Carbon monoxide	tonnes	2,838.88	-	-	2,838.88	-	-	-	-
2006	630-08-0	Carbon monoxide	tonnes	4,907.63	-	-	4,907.63	-	-	-	-
2005	630-08-0	Carbon monoxide	tonnes	7,451.42	-	-	7,451.42	-	-	-	-
2004	630-08-0	Carbon monoxide	tonnes	6,899.94	-	-	6,899.94	-	-	-	-
2003	630-08-0	Carbon monoxide	tonnes	8,078.70	-	-	8,078.70	-	-	-	-
2002	630-08-0	Carbon monoxide	tonnes	7,625.03	-	-	7,625.03	-	-	-	-
2023	7782-50-5	Chlorine	tonnes	8.46	-	-	8.46	-	-	-	-
2022	7782-50-5	Chlorine	tonnes	2.18	-	-	2.18	-	-	-	-
2021	7782-50-5	Chlorine	tonnes	-	-	-	0.22	-	-	-	-
2020	7782-50-5	Chlorine	tonnes	-	-	-	0.44	-	-	-	-
2019	7782-50-5	Chlorine	tonnes	-	-	-	0.98	-	-	-	-
2018	7782-50-5	Chlorine	tonnes	-	-	-	0.00	-	-	-	-
2023	67-66-3	Chloroform	tonnes	-	-	-	-	-	-	-	-
2022	67-66-3	Chloroform	tonnes	-	-	-	0.01	-	-	-	-
1994	67-66-3	Chloroform	tonnes	-	-	-	0.13	-	-	-	-
2023	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.00	-	-	-	-
2022	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.01	-	-	-	-
2021	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.01	-	-	-	-
2020	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.01	-	-	-	-
2019	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.02	-	-	-	-
2018	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.03	-	-	-	-
2013	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.02	-	-	-	-
2012	NA - 04	Chromium (and its compounds)	tonnes	0.01	-	-	0.01	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2011	NA - 04	Chromium (and its compounds)	tonnes	0.01	-	-	0.01	-	-	-	-
2010	NA - 04	Chromium (and its compounds)	tonnes	0.04	-	-	0.04	-	-	-	-
2009	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.01	-	-	-	-
2008	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.01	-	-	-	-
2007	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.01	-	-	-	-
2006	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.01	-	-	-	-
2005	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.02	-	-	-	-
2004	NA - 04	Chromium (and its compounds)	tonnes	-	-	-	0.01	-	-	-	-
2003	NA - 04	Chromium (and its compounds)	tonnes	0.02	-	-	0.02	-	-	-	-
2002	NA - 04	Chromium (and its compounds)	tonnes	0.03	-	-	0.03	-	-	-	-
2001	NA - 04	Chromium (and its compounds)	tonnes	0.07	-	-	0.07	-	-	-	-
2006	218-01-9	Chrysene	kg	0.32	-	-	0.32	-	-	-	-
2005	218-01-9	Chrysene	kg	0.32	-	-	0.32	-	-	-	-
2004	218-01-9	Chrysene	kg	0.00	-	-	0.00	-	-	-	-
2003	218-01-9	Chrysene	kg	0.00	-	-	0.00	-	-	-	-
2000	218-01-9	Chrysene	kg	0.16	-	-	0.16	-	-	-	-
2023	NA - 05	Cobalt (and its compounds)	kg	0.23	-	-	0.23	-	-	-	-
2022	NA - 05	Cobalt (and its compounds)	kg	0.26	-	-	0.26	-	-	-	-
2006	53-70-3	Dibenz[a,h]anthracene	kg	0.00	-	-	0.00	-	-	-	-
2005	53-70-3	Dibenz[a,h]anthracene	kg	0.00	-	-	0.00	-	-	-	-
2004	53-70-3	Dibenz[a,h]anthracene	kg	0.00	-	-	0.00	-	-	-	-
2003	53-70-3	Dibenz[a,h]anthracene	kg	0.02	-	-	0.02	-	-	-	-
2002	53-70-3	Dibenz[a,h]anthracene	kg	0.00	-	-	0.00	-	-	-	-
2001	53-70-3	Dibenz[a,h]anthracene	kg	0.00	-	-	0.00	-	-	-	-
2000	53-70-3	Dibenz[a,h]anthracene	kg	0.59	-	-	0.59	-	-	-	-
2023	75-09-2	Dichloromethane	tonnes	0.08	-	-	0.08	-	-	-	-
2022	75-09-2	Dichloromethane	tonnes	-	-	-	0.07	-	-	-	-
2021	75-09-2	Dichloromethane	tonnes	-	-	-	0.07	-	-	-	-
2020	75-09-2	Dichloromethane	tonnes	-	-	-	0.10	-	-	-	-
2019	75-09-2	Dichloromethane	tonnes	-	-	-	0.14	-	-	-	-
2018	75-09-2	Dichloromethane	tonnes	-	-	-	0.15	-	-	-	-
2009	75-09-2	Dichloromethane	tonnes	-	-	-	0.49	-	-	-	-
2008	75-09-2	Dichloromethane	tonnes	-	-	-	0.54	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2007	75-09-2	Dichloromethane	tonnes	-	-	-	0.57	-	-	-	-
2006	75-09-2	Dichloromethane	tonnes	-	-	-	0.58	-	-	-	-
2005	75-09-2	Dichloromethane	tonnes	-	-	-	0.60	-	-	-	-
2004	75-09-2	Dichloromethane	tonnes	-	-	-	0.54	-	-	-	-
2003	75-09-2	Dichloromethane	tonnes	0.37	-	-	0.37	-	-	-	-
2002	75-09-2	Dichloromethane	tonnes	0.10	-	-	0.10	-	-	-	-
2001	75-09-2	Dichloromethane	tonnes	0.11	-	-	0.11	-	-	-	-
2000	75-09-2	Dichloromethane	tonnes	0.09	-	-	0.09	-	-	-	-
1999	75-09-2	Dichloromethane	tonnes	0.01	-	-	0.01	-	-	-	-
1998	75-09-2	Dichloromethane	tonnes	0.08	-	-	0.08	-	-	-	-
1997	75-09-2	Dichloromethane	tonnes	0.10	-	-	0.10	-	-	-	-
1996	75-09-2	Dichloromethane	tonnes	0.00	-	-	0.00	-	-	-	-
1995	75-09-2	Dichloromethane	tonnes	-	-	-	0.10	-	-	-	-
1994	75-09-2	Dichloromethane	tonnes	-	-	-	0.13	-	-	-	-
1993	75-09-2	Dichloromethane	tonnes	-	-	-	-	-	-	-	-
2023	NA - D/F	Dioxins and furans - total	g TEQ	0.21	-	-	0.21	-	-	-	-
2022	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2021	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2020	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2019	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2018	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2017	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2016	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2015	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2014	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2013	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2012	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2011	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2009	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2008	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2007	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2006	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2005	NA - D/F	Dioxins and furans - total	g TEQ	-	-	-	-	-	-	-	-
2004	NA - D/F	Dioxins and furans - total	g TEQ	0.02	-	-	0.02	-	-	-	-
2003	NA - D/F	Dioxins and furans - total	g TEQ	0.06	-	-	0.06	-	-	-	-
2002	NA - D/F	Dioxins and furans - total	g TEQ	0.05	-	-	0.05	-	-	-	-
2001	NA - D/F	Dioxins and furans - total	g TEQ	0.14	-	-	0.14	-	-	-	-
2000	NA - D/F	Dioxins and furans - total	g TEQ	0.40	-	-	0.40	-	-	-	-
2023	100-41-4	Ethylbenzene	tonnes	0.76	-	-	0.76	-	-	-	-
2022	100-41-4	Ethylbenzene	tonnes	1.69	-	-	1.69	-	-	-	-
2021	100-41-4	Ethylbenzene	tonnes	1.71	-	-	1.71	-	-	-	-
2020	100-41-4	Ethylbenzene	tonnes	1.27	-	-	1.64	-	-	-	-
2019	100-41-4	Ethylbenzene	tonnes	1.27	-	-	1.27	-	-	-	-
2018	100-41-4	Ethylbenzene	tonnes	-	-	-	0.43	-	-	-	-
2009	100-41-4	Ethylbenzene	tonnes	0.26	-	-	0.26	-	-	-	-
2008	100-41-4	Ethylbenzene	tonnes	0.28	-	-	0.28	-	-	-	-
2007	100-41-4	Ethylbenzene	tonnes	1.07	-	-	1.07	-	-	-	-
2006	100-41-4	Ethylbenzene	tonnes	1.10	-	-	1.10	-	-	-	-
2005	100-41-4	Ethylbenzene	tonnes	1.12	-	-	1.12	-	-	-	-
2004	100-41-4	Ethylbenzene	tonnes	-	-	-	0.99	-	-	-	-
2003	100-41-4	Ethylbenzene	tonnes	0.27	-	-	0.27	-	-	-	-
2002	100-41-4	Ethylbenzene	tonnes	0.00	-	-	0.00	-	-	-	-
2001	100-41-4	Ethylbenzene	tonnes	0.81	-	-	0.81	-	-	-	-
1997	100-41-4	Ethylbenzene	tonnes	0.10	-	-	0.10	-	-	-	-
1996	100-41-4	Ethylbenzene	tonnes	0.00	-	-	0.00	-	-	-	-
1994	107-21-1	Ethylene glycol	tonnes	-	-	-	0.13	-	-	-	-
2023	206-44-0	Fluoranthene	kg	16.33	-	-	16.33	-	-	-	-
2006	206-44-0	Fluoranthene	kg	1.75	-	-	1.75	-	-	-	-
2005	206-44-0	Fluoranthene	kg	1.79	-	-	1.79	-	-	-	-
2004	206-44-0	Fluoranthene	kg	0.51	-	-	0.51	-	-	-	-
2003	206-44-0	Fluoranthene	kg	2.20	-	-	2.20	-	-	-	-
2002	206-44-0	Fluoranthene	kg	1.21	-	-	1.21	-	-	-	-
2001	206-44-0	Fluoranthene	kg	1.54	-	-	1.54	-	-	-	-
2000	206-44-0	Fluoranthene	kg	77.28	-	-	77.28	-	-	-	-
2023	86-73-7	Fluorene	kg	25.14	-	-	25.14	-	-	-	-
2022	86-73-7	Fluorene	kg	7.13	-	-	7.13	-	-	-	-
2021	86-73-7	Fluorene	kg	7.12	-	-	7.12	-	-	-	-
2020	86-73-7	Fluorene	kg	6.25	-	-	6.25	-	-	-	-
2019	86-73-7	Fluorene	kg	6.60	-	-	6.60	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2018	86-73-7	Fluorene	kg	-	-	-	-	-	-	-	-
2017	86-73-7	Fluorene	kg	7.00	-	-	7.00	-	-	-	-
2016	86-73-7	Fluorene	kg	13.94	-	-	13.94	-	-	-	-
2015	86-73-7	Fluorene	kg	13.60	-	-	13.60	-	-	-	-
2014	86-73-7	Fluorene	kg	13.90	-	-	13.90	-	-	-	-
2013	86-73-7	Fluorene	kg	6.50	-	-	6.50	-	-	-	-
2012	86-73-7	Fluorene	kg	8.00	-	-	8.00	-	-	-	-
2011	86-73-7	Fluorene	kg	7.20	-	-	7.20	-	-	-	-
2010	86-73-7	Fluorene	kg	11.50	-	-	11.50	-	-	-	-
2009	86-73-7	Fluorene	kg	10.48	-	-	10.48	-	-	-	-
2008	86-73-7	Fluorene	kg	11.45	-	-	11.45	-	-	-	-
2007	86-73-7	Fluorene	kg	9.81	-	-	9.81	-	-	-	-
2006	86-73-7	Fluorene	kg	10.10	-	-	10.10	-	-	-	-
2023	118-74-1	Hexachlorobenzene	grams	198.55	-	-	198.55	-	-	-	-
2022	118-74-1	Hexachlorobenzene	grams	31.20	-	-	31.20	-	-	-	-
2021	118-74-1	Hexachlorobenzene	grams	33.58	-	-	33.58	-	-	-	-
2020	118-74-1	Hexachlorobenzene	grams	27.79	-	-	27.79	-	-	-	-
2019	118-74-1	Hexachlorobenzene	grams	28.61	-	-	28.61	-	-	-	-
2018	118-74-1	Hexachlorobenzene	grams	26.99	-	-	26.99	-	-	-	-
2017	118-74-1	Hexachlorobenzene	grams	29.63	-	-	29.63	-	-	-	-
2016	118-74-1	Hexachlorobenzene	grams	31.56	-	-	31.56	-	-	-	-
2015	118-74-1	Hexachlorobenzene	grams	30.40	-	-	30.40	-	-	-	-
2014	118-74-1	Hexachlorobenzene	grams	31.60	-	-	31.60	-	-	-	-
2013	118-74-1	Hexachlorobenzene	grams	55.90	-	-	55.90	-	-	-	-
2012	118-74-1	Hexachlorobenzene	grams	30.10	-	-	30.10	-	-	-	-
2011	118-74-1	Hexachlorobenzene	grams	27.18	-	-	27.18	-	-	-	-
2010	118-74-1	Hexachlorobenzene	grams	47.82	-	-	47.82	-	-	-	-
2009	118-74-1	Hexachlorobenzene	grams	36.59	-	-	36.59	-	-	-	-
2008	118-74-1	Hexachlorobenzene	grams	39.97	-	-	39.97	-	-	-	-
2007	118-74-1	Hexachlorobenzene	grams	-	-	-	-	-	-	-	-
2006	118-74-1	Hexachlorobenzene	grams	-	-	-	-	-	-	-	-
2005	118-74-1	Hexachlorobenzene	grams	-	-	-	-	-	-	-	-
2004	118-74-1	Hexachlorobenzene	grams	37.75	-	-	37.75	-	-	-	-
2003	118-74-1	Hexachlorobenzene	grams	44.80	-	-	44.80	-	-	-	-
2002	118-74-1	Hexachlorobenzene	grams	46.83	-	-	46.83	-	-	-	-
2001	118-74-1	Hexachlorobenzene	grams	-	-	-	-	-	-	-	-
2000	118-74-1	Hexachlorobenzene	grams	-	-	-	-	-	-	-	-
2023	7647-01-0	Hydrochloric acid	tonnes	-	-	-	-	-	-	-	-
2022	7647-01-0	Hydrochloric acid	tonnes	24.51	-	-	24.51	-	-	-	-
2021	7647-01-0	Hydrochloric acid	tonnes	24.52	-	-	24.52	-	-	-	-
2020	7647-01-0	Hydrochloric acid	tonnes	24.47	-	-	24.47	-	-	-	-
2019	7647-01-0	Hydrochloric acid	tonnes	18.17	-	-	18.17	-	-	-	-
2018	7647-01-0	Hydrochloric acid	tonnes	28.06	-	-	28.06	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2017	7647-01-0	Hydrochloric acid	tonnes	23.94	-	-	23.94	-	-	-	-
2016	7647-01-0	Hydrochloric acid	tonnes	32.66	-	-	32.66	-	-	-	-
2015	7647-01-0	Hydrochloric acid	tonnes	27.00	-	-	27.00	-	-	-	-
2014	7647-01-0	Hydrochloric acid	tonnes	46.00	-	-	46.00	-	-	-	-
2013	7647-01-0	Hydrochloric acid	tonnes	55.00	-	-	55.00	-	-	-	-
2012	7647-01-0	Hydrochloric acid	tonnes	43.50	-	-	43.50	-	-	-	-
2011	7647-01-0	Hydrochloric acid	tonnes	34.58	-	-	34.58	-	-	-	-
2010	7647-01-0	Hydrochloric acid	tonnes	22.36	-	-	22.36	-	-	-	-
2009	7647-01-0	Hydrochloric acid	tonnes	28.30	-	-	28.30	-	-	-	-
2008	7647-01-0	Hydrochloric acid	tonnes	16.28	-	-	16.28	-	-	-	-
2007	7647-01-0	Hydrochloric acid	tonnes	13.62	-	-	13.62	-	-	-	-
2006	7647-01-0	Hydrochloric acid	tonnes	35.66	-	-	35.66	-	-	-	-
2005	7647-01-0	Hydrochloric acid	tonnes	46.33	-	-	46.33	-	-	-	-
2006	193-39-5	Indeno[1,2,3-cd]pyrene	kg	0.00	-	-	0.00	-	-	-	-
2005	193-39-5	Indeno[1,2,3-cd]pyrene	kg	0.00	-	-	0.00	-	-	-	-
2004	193-39-5	Indeno[1,2,3-cd]pyrene	kg	0.01	-	-	0.01	-	-	-	-
2003	193-39-5	Indeno[1,2,3-cd]pyrene	kg	0.03	-	-	0.03	-	-	-	-
2002	193-39-5	Indeno[1,2,3-cd]pyrene	kg	0.01	-	-	0.01	-	-	-	-
2001	193-39-5	Indeno[1,2,3-cd]pyrene	kg	0.00	-	-	0.00	-	-	-	-
2000	193-39-5	Indeno[1,2,3-cd]pyrene	kg	0.02	-	-	0.02	-	-	-	-
2009	67-63-0	Isopropyl alcohol	tonnes	0.00	-	-	0.00	-	-	-	-
2008	67-63-0	Isopropyl alcohol	tonnes	0.00	-	-	0.00	-	-	-	-
2007	67-63-0	Isopropyl alcohol	tonnes	0.00	-	-	0.00	-	-	-	-
2006	67-63-0	Isopropyl alcohol	tonnes	-	-	-	0.00	-	-	-	-
2005	67-63-0	Isopropyl alcohol	tonnes	-	-	-	0.00	-	-	-	-
2004	67-63-0	Isopropyl alcohol	tonnes	-	-	-	0.00	-	-	-	-
2003	67-63-0	Isopropyl alcohol	tonnes	0.00	-	-	0.00	-	-	-	-
2002	67-63-0	Isopropyl alcohol	tonnes	0.00	-	-	0.00	-	-	-	-
2001	67-63-0	Isopropyl alcohol	tonnes	0.00	-	-	0.00	-	-	-	-
2023	NA - 08	Lead (and its compounds)	kg	2.71	-	-	2.71	-	-	-	-
2022	NA - 08	Lead (and its compounds)	kg	3.97	-	-	3.97	-	-	-	-
1994	NA - 08	Lead (and its compounds)	tonnes	0.03	-	-	0.03	5.70	0.30	-	-
1993	NA - 08	Lead (and its compounds)	tonnes	0.01	-	-	0.01	4.70	-	-	-
2020	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	-	-	-	-	-
2019	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	0.07	-	-	-	-
2018	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	0.06	-	-	-	-
2009	NA - 09	Manganese (and its compounds)	tonnes	1.08	-	-	1.08	-	-	-	-
2008	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	0.28	-	-	-	-
2007	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	0.13	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2006	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	0.16	-	-	-	-
2005	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	0.16	-	-	-	-
2004	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	0.10	-	-	-	-
2003	NA - 09	Manganese (and its compounds)	tonnes	0.10	-	-	0.10	-	-	-	-
2002	NA - 09	Manganese (and its compounds)	tonnes	0.05	-	-	0.05	-	-	-	-
2001	NA - 09	Manganese (and its compounds)	tonnes	0.03	-	-	0.03	-	-	-	-
1994	NA - 09	Manganese (and its compounds)	tonnes	0.10	-	-	0.10	0.00	-	-	-
1993	NA - 09	Manganese (and its compounds)	tonnes	-	-	-	-	-	-	-	-
2023	NA - 10	Mercury (and its compounds)	kg	32.67	-	-	32.67	-	-	-	-
2022	NA - 10	Mercury (and its compounds)	kg	30.51	-	-	30.51	-	-	-	-
2021	NA - 10	Mercury (and its compounds)	kg	25.93	-	-	25.93	-	-	-	-
2020	NA - 10	Mercury (and its compounds)	kg	17.53	-	-	17.53	-	-	-	-
2019	NA - 10	Mercury (and its compounds)	kg	18.89	-	-	18.89	-	-	-	-
2018	NA - 10	Mercury (and its compounds)	kg	7.22	-	-	7.22	-	-	-	-
2017	NA - 10	Mercury (and its compounds)	kg	18.90	-	-	18.90	-	-	-	-
2016	NA - 10	Mercury (and its compounds)	kg	11.30	-	-	11.30	-	-	-	-
2015	NA - 10	Mercury (and its compounds)	kg	17.30	-	-	17.30	-	-	-	-
2014	NA - 10	Mercury (and its compounds)	kg	20.10	-	-	20.10	-	-	-	-
2013	NA - 10	Mercury (and its compounds)	kg	19.40	-	-	19.40	-	-	-	-
2012	NA - 10	Mercury (and its compounds)	kg	17.10	-	-	17.10	-	-	-	-
2011	NA - 10	Mercury (and its compounds)	kg	18.70	-	-	18.70	-	-	-	-
2010	NA - 10	Mercury (and its compounds)	kg	17.60	-	-	17.60	-	-	-	-
2009	NA - 10	Mercury (and its compounds)	kg	9.98	-	-	9.98	-	-	-	-
2008	NA - 10	Mercury (and its compounds)	kg	22.69	-	-	22.69	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2007	NA - 10	Mercury (and its compounds)	kg	13.50	-	-	13.50	-	-	-	-
2006	NA - 10	Mercury (and its compounds)	kg	39.93	-	-	39.93	-	-	-	-
2005	NA - 10	Mercury (and its compounds)	kg	12.03	-	-	12.03	-	-	-	-
2004	NA - 10	Mercury (and its compounds)	kg	17.06	-	-	17.06	-	-	-	-
2003	NA - 10	Mercury (and its compounds)	kg	65.00	-	-	65.00	-	-	-	-
2002	NA - 10	Mercury (and its compounds)	kg	25.04	-	-	25.04	-	-	-	-
2001	NA - 10	Mercury (and its compounds)	kg	7.76	-	-	7.76	-	-	-	-
2000	NA - 10	Mercury (and its compounds)	kg	52.66	-	-	52.66	-	-	-	-
2023	78-93-3	Methyl ethyl ketone	tonnes	-	-	-	-	-	-	-	-
2022	78-93-3	Methyl ethyl ketone	tonnes	-	-	-	0.15	-	-	-	-
2021	78-93-3	Methyl ethyl ketone	tonnes	-	-	-	0.12	-	-	-	-
2020	78-93-3	Methyl ethyl ketone	tonnes	0.15	-	-	0.15	-	-	-	-
2019	78-93-3	Methyl ethyl ketone	tonnes	0.86	-	-	0.86	-	-	-	-
2018	78-93-3	Methyl ethyl ketone	tonnes	0.82	-	-	0.82	-	-	-	-
2017	78-93-3	Methyl ethyl ketone	tonnes	1.41	-	-	1.41	-	-	-	-
2016	78-93-3	Methyl ethyl ketone	tonnes	1.37	-	-	1.37	-	-	-	-
2015	78-93-3	Methyl ethyl ketone	tonnes	1.30	-	-	1.30	-	-	-	-
2014	78-93-3	Methyl ethyl ketone	tonnes	1.40	-	-	1.40	-	-	-	-
2009	78-93-3	Methyl ethyl ketone	tonnes	0.18	-	-	0.18	-	-	-	-
2008	78-93-3	Methyl ethyl ketone	tonnes	0.20	-	-	0.20	-	-	-	-
2007	78-93-3	Methyl ethyl ketone	tonnes	0.99	-	-	0.99	-	-	-	-
2006	78-93-3	Methyl ethyl ketone	tonnes	1.02	-	-	1.02	-	-	-	-
2005	78-93-3	Methyl ethyl ketone	tonnes	1.04	-	-	1.04	-	-	-	-
2004	78-93-3	Methyl ethyl ketone	tonnes	-	-	-	1.00	-	-	-	-
2003	78-93-3	Methyl ethyl ketone	tonnes	0.69	-	-	0.69	-	-	-	-
2002	78-93-3	Methyl ethyl ketone	tonnes	0.00	-	-	0.00	-	-	-	-
2001	78-93-3	Methyl ethyl ketone	tonnes	0.00	-	-	0.00	-	-	-	-
2009	108-10-1	Methyl isobutyl ketone	tonnes	-	-	-	0.72	-	-	-	-
2008	108-10-1	Methyl isobutyl ketone	tonnes	-	-	-	0.79	-	-	-	-
2007	108-10-1	Methyl isobutyl ketone	tonnes	-	-	-	0.83	-	-	-	-
2006	108-10-1	Methyl isobutyl ketone	tonnes	0.86	-	-	0.86	-	-	-	-
2005	108-10-1	Methyl isobutyl ketone	tonnes	0.87	-	-	0.87	-	-	-	-
2004	108-10-1	Methyl isobutyl ketone	tonnes	0.49	-	-	0.49	-	-	-	-
2003	108-10-1	Methyl isobutyl ketone	tonnes	0.17	-	-	0.17	-	-	-	-
2002	108-10-1	Methyl isobutyl ketone	tonnes	0.00	-	-	0.00	-	-	-	-
2001	108-10-1	Methyl isobutyl ketone	tonnes	0.00	-	-	0.00	-	-	-	-
2020	1634-04-4	Methyl tert-butyl ether	tonnes	-	-	-	-	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2019	1634-04-4	Methyl tert-butyl ether	tonnes	-	-	-	0.04	-	-	-	-
2018	1634-04-4	Methyl tert-butyl ether	tonnes	-	-	-	0.05	-	-	-	-
2020	110-54-3	n-Hexane	tonnes	-	-	-	-	-	-	-	-
2019	110-54-3	n-Hexane	tonnes	10.14	-	-	10.14	-	-	-	-
2018	110-54-3	n-Hexane	tonnes	-	-	-	0.01	-	-	-	-
2001	110-54-3	n-Hexane	tonnes	0.00	-	-	0.00	-	-	-	-
2020	91-20-3	Naphthalene	tonnes	-	-	-	-	-	-	-	-
2019	91-20-3	Naphthalene	tonnes	-	-	-	0.67	-	-	-	-
2018	91-20-3	Naphthalene	tonnes	-	-	-	0.14	-	-	-	-
2023	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,057.35	-	-	2,057.35	-	-	-	-
2022	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	1,997.19	-	-	1,997.19	-	-	-	-
2021	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,077.99	-	-	2,077.99	-	-	-	-
2020	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	1,814.46	-	-	1,814.46	-	-	-	-
2019	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,139.08	-	-	2,139.08	-	-	-	-
2018	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	1,936.87	-	-	1,936.87	-	-	-	-
2017	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,434.97	-	-	2,434.97	-	-	-	-
2016	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,096.36	-	-	2,096.36	-	-	-	-
2015	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,524.00	-	-	2,524.00	-	-	-	-
2014	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,334.00	-	-	2,334.00	-	-	-	-
2013	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,034.00	-	-	2,034.00	-	-	-	-
2012	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,315.00	-	-	2,315.00	-	-	-	-
2011	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,304.00	-	-	2,304.00	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2010	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,592.32	-	-	2,592.32	-	-	-	-
2009	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,406.38	-	-	2,406.38	-	-	-	-
2008	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,276.12	-	-	2,276.12	-	-	-	-
2007	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,820.17	-	-	2,820.17	-	-	-	-
2006	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,428.66	-	-	2,428.66	-	-	-	-
2005	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,331.72	-	-	2,331.72	-	-	-	-
2004	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,254.14	-	-	2,254.14	-	-	-	-
2003	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,405.78	-	-	2,405.78	-	-	-	-
2002	11104-93-1	Nitrogen oxides (expressed as nitrogen dioxide)	tonnes	2,348.44	-	-	2,348.44	-	-	-	-
1997	95-47-6	o-Xylene	tonnes	0.10	-	-	0.10	-	-	-	-
1996	95-47-6	o-Xylene	tonnes	0.00	-	-	0.00	-	-	-	-
1997	106-42-3	p-Xylene	tonnes	0.10	-	-	0.10	-	-	-	-
1996	106-42-3	p-Xylene	tonnes	0.00	-	-	0.00	-	-	-	-
2017	NA - P/H	PAHs, total unspeciated	kg	54.94	-	-	54.94	-	-	-	-
2006	198-55-0	Perylene	kg	0.01	-	-	0.01	-	-	-	-
2005	198-55-0	Perylene	kg	0.01	-	-	0.01	-	-	-	-
2004	198-55-0	Perylene	kg	0.00	-	-	0.00	-	-	-	-
2003	198-55-0	Perylene	kg	0.02	-	-	0.02	-	-	-	-
2002	198-55-0	Perylene	kg	0.00	-	-	0.00	-	-	-	-
2001	198-55-0	Perylene	kg	0.00	-	-	0.00	-	-	-	-
2023	85-01-8	Phenanthrene	kg	127.18	-	-	127.18	-	-	-	-
2022	85-01-8	Phenanthrene	kg	29.09	-	-	29.09	-	-	-	-
2021	85-01-8	Phenanthrene	kg	30.74	-	-	30.74	-	-	-	-
2020	85-01-8	Phenanthrene	kg	25.79	-	-	25.79	-	-	-	-
2019	85-01-8	Phenanthrene	kg	36.26	-	-	36.26	-	-	-	-
2018	85-01-8	Phenanthrene	kg	-	-	-	-	-	-	-	-
2017	85-01-8	Phenanthrene	kg	37.79	-	-	37.79	-	-	-	-
2016	85-01-8	Phenanthrene	kg	48.00	-	-	48.00	-	-	-	-
2015	85-01-8	Phenanthrene	kg	48.00	-	-	48.00	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2014	85-01-8	Phenanthrene	kg	48.00	-	-	48.00	-	-	-	-
2013	85-01-8	Phenanthrene	kg	25.90	-	-	25.90	-	-	-	-
2012	85-01-8	Phenanthrene	kg	44.40	-	-	44.40	-	-	-	-
2011	85-01-8	Phenanthrene	kg	38.90	-	-	38.90	-	-	-	-
2010	85-01-8	Phenanthrene	kg	59.60	-	-	59.60	-	-	-	-
2009	85-01-8	Phenanthrene	kg	54.26	-	-	54.26	-	-	-	-
2008	85-01-8	Phenanthrene	kg	59.28	-	-	59.28	-	-	-	-
2007	85-01-8	Phenanthrene	kg	94.18	-	-	94.18	-	-	-	-
2006	85-01-8	Phenanthrene	kg	96.90	-	-	96.90	-	-	-	-
2005	85-01-8	Phenanthrene	kg	99.00	-	-	99.00	-	-	-	-
2004	85-01-8	Phenanthrene	kg	49.90	-	-	49.90	-	-	-	-
2003	85-01-8	Phenanthrene	kg	69.90	-	-	69.90	-	-	-	-
2002	85-01-8	Phenanthrene	kg	47.70	-	-	47.70	-	-	-	-
2001	85-01-8	Phenanthrene	kg	57.16	-	-	57.16	-	-	-	-
2000	85-01-8	Phenanthrene	kg	229.10	-	-	229.10	-	-	-	-
2023	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	75.54	-	-	75.54	-	-	-	-
2022	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	59.01	-	-	59.01	-	-	-	-
2021	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	58.65	-	-	58.65	-	-	-	-
2020	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	68.53	-	-	68.53	-	-	-	-
2019	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	62.52	-	-	62.52	-	-	-	-
2018	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	38.40	-	-	38.40	-	-	-	-
2017	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	27.25	-	-	27.25	-	-	-	-
2016	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	54.00	-	-	54.00	-	-	-	-
2015	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	39.00	-	-	39.00	-	-	-	-
2014	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	40.00	-	-	40.00	-	-	-	-
2013	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	49.00	-	-	49.00	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2012	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	53.00	-	-	53.00	-	-	-	-
2011	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	79.00	-	-	79.00	-	-	-	-
2010	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	79.53	-	-	79.53	-	-	-	-
2009	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	89.47	-	-	89.47	-	-	-	-
2008	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	99.20	-	-	99.20	-	-	-	-
2007	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	88.41	-	-	88.41	-	-	-	-
2006	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	89.52	-	-	89.52	-	-	-	-
2005	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	77.59	-	-	77.59	-	-	-	-
2004	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	65.95	-	-	65.95	-	-	-	-
2003	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	58.34	-	-	58.34	-	-	-	-
2002	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	52.02	-	-	52.02	-	-	-	-
2023	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	19.81	-	-	19.81	-	-	-	-
2022	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	20.03	-	-	20.03	-	-	-	-
2021	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	20.46	-	-	20.46	-	-	-	-
2020	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	19.50	-	-	19.50	-	-	-	-
2019	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	23.72	-	-	23.72	-	-	-	-
2018	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	23.69	-	-	23.69	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2017	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	19.77	-	-	19.77	-	-	-	-
2016	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	24.00	-	-	24.00	-	-	-	-
2015	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	21.00	-	-	21.00	-	-	-	-
2014	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	23.00	-	-	23.00	-	-	-	-
2013	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	26.00	-	-	26.00	-	-	-	-
2012	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	28.00	-	-	28.00	-	-	-	-
2011	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	44.00	-	-	44.00	-	-	-	-
2010	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	36.85	-	-	36.85	-	-	-	-
2009	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	42.35	-	-	42.35	-	-	-	-
2008	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	44.96	-	-	44.96	-	-	-	-
2007	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	43.74	-	-	43.74	-	-	-	-
2006	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	45.45	-	-	45.45	-	-	-	-
2005	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	39.05	-	-	39.05	-	-	-	-
2004	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	32.61	-	-	32.61	-	-	-	-
2003	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	28.46	-	-	28.46	-	-	-	-
2002	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	24.83	-	-	24.83	-	-	-	-
2023	129-00-0	Pyrene	kg	9.89	-	-	9.89	-	-	-	-
2006	129-00-0	Pyrene	kg	1.18	-	-	1.18	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2005	129-00-0	Pyrene	kg	1.20	-	-	1.20	-	-	-	-
2004	129-00-0	Pyrene	kg	0.52	-	-	0.52	-	-	-	-
2003	129-00-0	Pyrene	kg	2.20	-	-	2.20	-	-	-	-
2002	129-00-0	Pyrene	kg	0.78	-	-	0.78	-	-	-	-
2001	129-00-0	Pyrene	kg	0.70	-	-	0.70	-	-	-	-
2000	129-00-0	Pyrene	kg	27.80	-	-	27.80	-	-	-	-
2023	91-22-5	Quinoline	kg	-	-	-	-	-	-	-	-
2022	91-22-5	Quinoline	kg	8.31	-	-	8.31	-	-	-	-
2021	91-22-5	Quinoline	kg	7.41	-	-	7.41	-	-	-	-
2023	NA - 12	Selenium (and its compounds)	kg	1.57	-	-	1.57	-	-	-	-
2022	NA - 12	Selenium (and its compounds)	kg	1.15	-	-	1.15	-	-	-	-
2021	NA - 12	Selenium (and its compounds)	kg	1.21	-	-	1.21	-	-	-	-
2020	NA - 12	Selenium (and its compounds)	kg	1.88	-	-	1.88	-	-	-	-
2019	NA - 12	Selenium (and its compounds)	kg	5.85	-	-	5.85	-	-	-	-
2018	NA - 12	Selenium (and its compounds)	kg	16.33	-	-	16.33	-	-	-	-
2013	NA - 12	Selenium (and its compounds)	kg	47.00	-	-	47.00	-	-	-	-
2012	NA - 12	Selenium (and its compounds)	kg	51.00	-	-	51.00	-	-	-	-
2011	NA - 12	Selenium (and its compounds)	kg	44.80	-	-	44.80	-	-	-	-
2023	7446-09-5	Sulphur dioxide	tonnes	1,186.34	-	-	1,186.34	-	-	-	-
2022	7446-09-5	Sulphur dioxide	tonnes	1,138.69	-	-	1,138.69	-	-	-	-
2021	7446-09-5	Sulphur dioxide	tonnes	1,569.67	-	-	1,569.67	-	-	-	-
2020	7446-09-5	Sulphur dioxide	tonnes	1,185.44	-	-	1,185.44	-	-	-	-
2019	7446-09-5	Sulphur dioxide	tonnes	1,725.07	-	-	1,725.07	-	-	-	-
2018	7446-09-5	Sulphur dioxide	tonnes	1,596.07	-	-	1,596.07	-	-	-	-
2017	7446-09-5	Sulphur dioxide	tonnes	1,505.27	-	-	1,505.27	-	-	-	-
2016	7446-09-5	Sulphur dioxide	tonnes	1,531.01	-	-	1,531.01	-	-	-	-
2015	7446-09-5	Sulphur dioxide	tonnes	1,403.00	-	-	1,403.00	-	-	-	-
2014	7446-09-5	Sulphur dioxide	tonnes	1,382.00	-	-	1,382.00	-	-	-	-
2013	7446-09-5	Sulphur dioxide	tonnes	2,138.00	-	-	2,138.00	-	-	-	-
2012	7446-09-5	Sulphur dioxide	tonnes	1,558.00	-	-	1,558.00	-	-	-	-
2011	7446-09-5	Sulphur dioxide	tonnes	1,470.70	-	-	1,470.70	-	-	-	-
2010	7446-09-5	Sulphur dioxide	tonnes	1,253.06	-	-	1,253.06	-	-	-	-
2009	7446-09-5	Sulphur dioxide	tonnes	1,731.58	-	-	1,731.58	-	-	-	-
2008	7446-09-5	Sulphur dioxide	tonnes	2,183.40	-	-	2,183.40	-	-	-	-
2007	7446-09-5	Sulphur dioxide	tonnes	2,360.81	-	-	2,360.81	-	-	-	-
2006	7446-09-5	Sulphur dioxide	tonnes	2,544.63	-	-	2,544.63	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2005	7446-09-5	Sulphur dioxide	tonnes	2,526.45	-	-	2,526.45	-	-	-	-
2004	7446-09-5	Sulphur dioxide	tonnes	2,601.69	-	-	2,601.69	-	-	-	-
2003	7446-09-5	Sulphur dioxide	tonnes	3,734.00	-	-	3,734.00	-	-	-	-
2002	7446-09-5	Sulphur dioxide	tonnes	2,507.01	-	-	2,507.01	-	-	-	-
2023	127-18-4	Tetrachloroethylene	tonnes	-	-	-	-	-	-	-	-
2022	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.01	-	-	-	-
2021	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.01	-	-	-	-
2020	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.01	-	-	-	-
2019	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.04	-	-	-	-
2018	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.06	-	-	-	-
2009	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.47	-	-	-	-
2008	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.51	-	-	-	-
2007	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.69	-	-	-	-
1998	127-18-4	Tetrachloroethylene	tonnes	0.00	-	-	0.00	-	-	-	-
1997	127-18-4	Tetrachloroethylene	tonnes	0.10	-	-	0.10	-	-	-	-
1996	127-18-4	Tetrachloroethylene	tonnes	0.00	-	-	0.00	-	-	-	-
1995	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.10	-	-	-	-
1994	127-18-4	Tetrachloroethylene	tonnes	-	-	-	0.13	-	-	-	-
1993	127-18-4	Tetrachloroethylene	tonnes	-	-	-	-	-	-	-	-
2023	108-88-3	Toluene	tonnes	3.97	-	-	3.97	-	-	-	-
2022	108-88-3	Toluene	tonnes	5.83	-	-	5.83	-	-	-	-
2021	108-88-3	Toluene	tonnes	3.77	-	-	3.77	-	-	-	-
2020	108-88-3	Toluene	tonnes	2.08	-	-	2.08	-	-	-	-
2019	108-88-3	Toluene	tonnes	3.52	-	-	3.52	-	-	-	-
2018	108-88-3	Toluene	tonnes	2.70	-	-	2.70	-	-	-	-
2017	108-88-3	Toluene	tonnes	3.76	-	-	3.76	-	-	-	-
2016	108-88-3	Toluene	tonnes	2.37	-	-	2.37	-	-	-	-
2015	108-88-3	Toluene	tonnes	2.00	-	-	2.00	-	-	-	-
2014	108-88-3	Toluene	tonnes	3.20	-	-	3.20	-	-	-	-
2013	108-88-3	Toluene	tonnes	4.40	-	-	4.40	-	-	-	-
2012	108-88-3	Toluene	tonnes	2.60	-	-	2.60	-	-	-	-
2011	108-88-3	Toluene	tonnes	2.40	-	-	2.40	-	-	-	-
2010	108-88-3	Toluene	tonnes	4.61	-	-	4.61	-	-	-	-
2009	108-88-3	Toluene	tonnes	4.10	-	-	4.10	-	-	-	-
2008	108-88-3	Toluene	tonnes	4.58	-	-	4.58	-	-	-	-
2007	108-88-3	Toluene	tonnes	2.29	-	-	2.29	-	-	-	-
2006	108-88-3	Toluene	tonnes	2.36	-	-	2.36	-	-	-	-
2005	108-88-3	Toluene	tonnes	2.40	-	-	2.40	-	-	-	-
2004	108-88-3	Toluene	tonnes	5.51	-	-	5.51	-	-	-	-
2003	108-88-3	Toluene	tonnes	1.94	-	-	1.94	-	-	-	-
2002	108-88-3	Toluene	tonnes	0.00	-	-	0.00	-	-	-	-
2001	108-88-3	Toluene	tonnes	2.98	-	-	2.98	-	-	-	-
2000	108-88-3	Toluene	tonnes	3.03	-	-	3.03	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
1999	108-88-3	Toluene	tonnes	0.03	-	-	0.03	-	-	-	-
1998	108-88-3	Toluene	tonnes	2.51	-	-	2.51	-	-	-	-
1997	108-88-3	Toluene	tonnes	0.10	-	-	0.10	-	-	-	-
1996	108-88-3	Toluene	tonnes	0.00	-	-	0.00	-	-	-	-
1995	108-88-3	Toluene	tonnes	-	-	-	0.10	-	-	-	-
1994	108-88-3	Toluene	tonnes	-	-	-	0.13	-	-	-	-
1993	108-88-3	Toluene	tonnes	-	-	-	-	-	-	-	-
2023	NA - M08	Total particulate matter	tonnes	216.51	-	-	216.51	-	-	-	-
2022	NA - M08	Total particulate matter	tonnes	135.89	-	-	135.89	-	-	-	-
2021	NA - M08	Total particulate matter	tonnes	145.89	-	-	145.89	-	-	-	-
2020	NA - M08	Total particulate matter	tonnes	171.61	-	-	171.61	-	-	-	-
2019	NA - M08	Total particulate matter	tonnes	153.92	-	-	153.92	-	-	-	-
2018	NA - M08	Total particulate matter	tonnes	66.25	-	-	66.25	-	-	-	-
2017	NA - M08	Total particulate matter	tonnes	93.35	-	-	93.35	-	-	-	-
2016	NA - M08	Total particulate matter	tonnes	144.00	-	-	144.00	-	-	-	-
2015	NA - M08	Total particulate matter	tonnes	117.00	-	-	117.00	-	-	-	-
2014	NA - M08	Total particulate matter	tonnes	111.00	-	-	111.00	-	-	-	-
2013	NA - M08	Total particulate matter	tonnes	121.00	-	-	121.00	-	-	-	-
2012	NA - M08	Total particulate matter	tonnes	115.00	-	-	115.00	-	-	-	-
2011	NA - M08	Total particulate matter	tonnes	120.40	-	-	120.40	-	-	-	-
2010	NA - M08	Total particulate matter	tonnes	103.75	-	-	103.75	-	-	-	-
2009	NA - M08	Total particulate matter	tonnes	115.97	-	-	115.97	-	-	-	-
2008	NA - M08	Total particulate matter	tonnes	115.97	-	-	115.97	-	-	-	-
2007	NA - M08	Total particulate matter	tonnes	115.40	-	-	115.40	-	-	-	-
2006	NA - M08	Total particulate matter	tonnes	115.80	-	-	115.80	-	-	-	-
2005	NA - M08	Total particulate matter	tonnes	101.69	-	-	101.69	-	-	-	-
2004	NA - M08	Total particulate matter	tonnes	89.32	-	-	89.32	-	-	-	-
2003	NA - M08	Total particulate matter	tonnes	80.78	-	-	80.78	-	-	-	-
2002	NA - M08	Total particulate matter	tonnes	73.84	-	-	73.84	-	-	-	-
2020	79-01-6	Trichloroethylene	tonnes	-	-	-	-	-	-	-	-
2019	79-01-6	Trichloroethylene	tonnes	-	-	-	0.03	-	-	-	-
2018	79-01-6	Trichloroethylene	tonnes	-	-	-	0.03	-	-	-	-
1998	79-01-6	Trichloroethylene	tonnes	0.00	-	-	0.00	-	-	-	-
1997	79-01-6	Trichloroethylene	tonnes	0.10	-	-	0.10	-	-	-	-
1996	79-01-6	Trichloroethylene	tonnes	0.00	-	-	0.00	-	-	-	-
1995	79-01-6	Trichloroethylene	tonnes	-	-	-	0.10	-	-	-	-
1994	79-01-6	Trichloroethylene	tonnes	-	-	-	0.13	-	-	-	-
2023	NA - M16	Volatile Organic Compounds (Total)	tonnes	115.98	-	-	115.98	-	-	-	-
2022	NA - M16	Volatile Organic Compounds (Total)	tonnes	109.56	-	-	109.56	-	-	-	-
2021	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	110.41	-	-	110.41	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2020	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	94.97	-	-	94.97	-	-	-	-
2019	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	171.58	-	-	171.58	-	-	-	-
2018	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	34.08	-	-	34.08	-	-	-	-
2017	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	24.04	-	-	24.04	-	-	-	-
2016	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	31.08	-	-	31.08	-	-	-	-
2015	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	17.10	-	-	17.10	-	-	-	-
2014	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	17.70	-	-	17.70	-	-	-	-
2013	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	15.60	-	-	15.60	-	-	-	-
2012	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	15.40	-	-	15.40	-	-	-	-
2011	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	15.30	-	-	15.30	-	-	-	-
2010	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	19.38	-	-	19.38	-	-	-	-
2009	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	13.43	-	-	13.43	-	-	-	-
2008	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	15.11	-	-	15.11	-	-	-	-
2007	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	28.00	-	-	28.00	-	-	-	-
2006	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	41.33	-	-	41.33	-	-	-	-
2005	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	42.12	-	-	42.12	-	-	-	-
2004	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	35.85	-	-	35.85	-	-	-	-
2003	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	16.11	-	-	16.11	-	-	-	-
2002	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	0.92	-	-	0.92	-	-	-	-
2023	1330-20-7	Xylene (all isomers)	tonnes	4.27	-	-	4.27	-	-	-	-
2022	1330-20-7	Xylene (all isomers)	tonnes	1.43	-	-	1.43	-	-	-	-
2021	1330-20-7	Xylene (all isomers)	tonnes	6.11	-	-	6.11	-	-	-	-
2020	1330-20-7	Xylene (all isomers)	tonnes	2.14	-	-	2.14	-	-	-	-
2019	1330-20-7	Xylene (all isomers)	tonnes	3.53	-	-	3.53	-	-	-	-
2018	1330-20-7	Xylene (all isomers)	tonnes	2.49	-	-	2.49	-	-	-	-
2017	1330-20-7	Xylene (all isomers)	tonnes	5.17	-	-	5.17	-	-	-	-
2016	1330-20-7	Xylene (all isomers)	tonnes	2.72	-	-	2.72	-	-	-	-
2015	1330-20-7	Xylene (all isomers)	tonnes	3.50	-	-	3.50	-	-	-	-
2014	1330-20-7	Xylene (all isomers)	tonnes	1.60	-	-	1.60	-	-	-	-

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2013	1330-20-7	Xylene (all isomers)	tonnes	1.50	-	-	1.50	-	-	-	-
2012	1330-20-7	Xylene (all isomers)	tonnes	3.10	-	-	3.10	-	-	-	-
2011	1330-20-7	Xylene (all isomers)	tonnes	2.80	-	-	2.80	-	-	-	-
2010	1330-20-7	Xylene (all isomers)	tonnes	3.17	-	-	3.17	-	-	-	-
2009	1330-20-7	Xylene (all isomers)	tonnes	2.08	-	-	2.08	-	-	-	-
2008	1330-20-7	Xylene (all isomers)	tonnes	2.35	-	-	2.35	-	-	-	-
2007	1330-20-7	Xylene (all isomers)	tonnes	5.85	-	-	5.85	-	-	-	-
2006	1330-20-7	Xylene (all isomers)	tonnes	6.02	-	-	6.02	-	-	-	-
2005	1330-20-7	Xylene (all isomers)	tonnes	6.12	-	-	6.12	-	-	-	-
2004	1330-20-7	Xylene (all isomers)	tonnes	3.82	-	-	3.82	-	-	-	-
2003	1330-20-7	Xylene (all isomers)	tonnes	1.75	-	-	1.75	-	-	-	-
2002	1330-20-7	Xylene (all isomers)	tonnes	0.00	-	-	0.00	-	-	-	-
2001	1330-20-7	Xylene (all isomers)	tonnes	3.65	-	-	3.65	-	-	-	-
2000	1330-20-7	Xylene (all isomers)	tonnes	3.62	-	-	3.62	-	-	-	-
1999	1330-20-7	Xylene (mixed isomers)	tonnes	0.01	-	-	0.01	-	-	-	-
1998	1330-20-7	Xylene (mixed isomers)	tonnes	3.06	-	-	3.06	-	-	-	-
1994	1330-20-7	Xylene (mixed isomers)	tonnes	-	-	-	0.13	-	-	-	-
2020	NA - 14	Zinc (and its compounds)	tonnes	-	-	-	-	-	-	-	-
2019	NA - 14	Zinc (and its compounds)	tonnes	-	-	-	0.05	-	-	-	-
2018	NA - 14	Zinc (and its compounds)	tonnes	-	-	-	0.06	-	-	-	-
2009	NA - 14	Zinc (and its compounds)	tonnes	-	-	-	0.18	-	-	-	-
2008	NA - 14	Zinc (and its compounds)	tonnes	-	-	-	0.19	-	-	-	-
2007	NA - 14	Zinc (and its compounds)	tonnes	-	-	-	0.23	-	-	-	-
2006	NA - 14	Zinc (and its compounds)	tonnes	0.23	-	-	0.23	-	-	-	-
2005	NA - 14	Zinc (and its compounds)	tonnes	0.24	-	-	0.24	-	-	-	-
2004	NA - 14	Zinc (and its compounds)	tonnes	0.19	-	-	0.19	-	-	-	-
2003	NA - 14	Zinc (and its compounds)	tonnes	0.12	-	-	0.12	-	-	-	-
2002	NA - 14	Zinc (and its compounds)	tonnes	0.10	-	-	0.10	-	-	-	-
2001	NA - 14	Zinc (and its compounds)	tonnes	0.09	-	-	0.09	-	-	-	-

Rowan Doherty

From: Public Information Services <publicinformationservices@tssa.org>
Sent: July 9, 2024 10:02 AM
To: Rowan Doherty
Subject: RE: Property Search

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,

Melanie Fowler | Public Information Releases Agent
Legal
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3593 | Fax: +1 416-231-4903 | E-Mail: mfowler@tssa.org
www.tssa.org

Winner of 2023 5-Star Safety Cultures Award

From: Rowan Doherty <rowand@g2sconsulting.com>
Sent: Tuesday, July 9, 2024 9:44 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Property Search

Hello,

Could you please search the following properties in Mississauga for TSSA records?

445, 494, 520, 550, 570, 580, 584, 636, 648 Hazelhurst Road
701 Winston Churchill Boulevard

Thanks,
Rowan Doherty, B.ESc
Environmental Technician

G2S Consulting Inc.

4361 Harvester Road, Unit 12
Burlington, Ontario
L7L 5M4

Tel: (905) 802-5057
rowand@g2sconsulting.com
www.g2sconsulting.com

Offices in Burlington and Stouffville

Appendix D:
Site Photos

Picture and Description	
	
Photo #1: View of Site from Hazelhurst Road.	**Photo #2:** Dumpsters located the north of repair shop and east of diesel tank.
	
Photo #3: Compressed gas storage to the north of repair shop.	**Photo #4:** Seacan storage along north Site border.
	
Photo #5: Storage yard and welding area, west portion of the Site	**Photo #6:** 2,200 L diesel AST north of repair shop. No damage or stains observed.

Picture and Description	
	
Photo #7: 2,200 L waste oil AST and empty oil drums. No damage or staining observed.	**Photo #8:** Connection point for external heaters used in winter. West wall of repair shop.
	
Photo #9: Transformer located within the repair shop.	**Photo #10:** 20L pail hydraulic oil storage in repair shop.

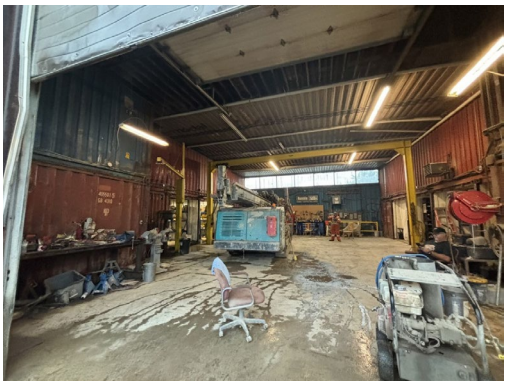



Photo #11: Repair area of repair shop.	**Photo #12:** One of many storage shelves within the repair shop.

Picture and Description	
	
Photo #15: Kitchen located within the office.	**Photo #16:** Office building meeting room.
	**END OF SECTION**
Photo #17: Washroom located within the office.	