

**REPORT
TO
CITY OF GUELPH**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
FORMER IMICO PROPERTY
200 BEVERLEY STREET
GUELPH, ONTARIO**

**Prepared by:
DECOMMISSIONING CONSULTING SERVICES LIMITED
121 Granton Drive, Unit 11
Richmond Hill, Ontario L4B 3N4
CANADA**

Tel: (905) 882-5984
Fax: (905) 882-8962
E-Mail: engineers@dcsltd.ca
Web Page: www.dcsltd.ca

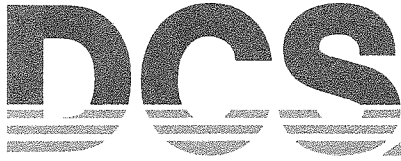
December 2007

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121 Granton Drive
Unit 11
Richmond Hill, Ontario
Canada L4B 3N4

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Web Site: <http://www.dcsltd.ca>

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20 December 2007

City of Guelph
Legal Department
City Hall
59 Carden Street
Guelph, Ontario
N1H 3A1

Attention: Mr. Jim Stokes, B.Sc., SR/WA
Manager, Realty Services

Re: **Phase I Environmental Site Assessment
Former IMICO Property
200 Beverley Street
Guelph, Ontario**

Dear Sirs:

Decommissioning Consulting Services Limited (DCS) is pleased to provide the following report on the completion of a Phase I Environmental Site Assessment (ESA) of the former IMICO facility located at 200 Beverley Street in the City of Guelph.

This site is under a Directors Order from the Ontario Ministry of the Environment that was issued on 14 July 1994. In an effort to bring the site into compliance a large amount of environmental work has been completed. This has included a number of soil and ground water investigations, the demolition of the existing buildings on the site and the remediation of a number of areas of impacted soil.

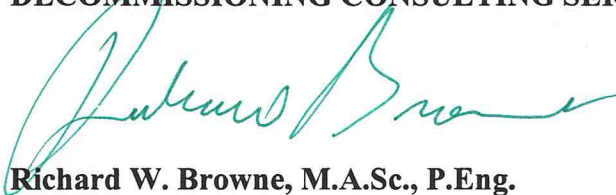
This Phase I ESA includes a thorough review of the available environmental data. Relevant information has been collected and summarized in this report. Based on the results of the review additional subsurface investigation work should be completed to better define the extent of contamination on the site. The investigation program should consist of a series of boreholes and monitoring wells completed throughout the property.

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City of Guelph
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We trust that the enclosed report is suitable for your current purposes. We wish to thank you for the opportunity to be of assistance to you on this project. Please call if you have any questions.

Yours very truly,

DECOMMISSIONING CONSULTING SERVICES LIMITED



Richard W. Browne, M.A.Sc., P.Eng.
Senior Vice-President



Stephen Prior, P.Eng.
Senior Project Manager

Enc.

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1.0 INTRODUCTION

Decommissioning Consulting Services Limited (DCS) was retained by the City of Guelph to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 200 Beverley Street in the City of Guelph. This property was formerly occupied by the International Malleable Iron Company (IMICO).

The work was completed as part of an evaluation of the property in preparation for its redevelopment. Future property use may include residential, institutional, parkland and commercial activities. The future land use may potentially be more sensitive, from an environmental perspective, than the past industrial land use. The subsequent phase of the evaluation will include a Phase II ESA, to further define the extent of contamination on the site and the development of a Remedial Action Plan (RAP). The RAP may include completion of a risk assessment to manage residual environmental impacts. It is recognized that if the property is to be redeveloped a Record of Site Condition (RSC) will have to be submitted to the Ministry of the Environment (MOE) after completion of the remedial work. As a result, this Phase I ESA report has been completed for inclusion in the future submission for an RSC.

1.1 SCOPE OF WORK

The scope of work for the assessment included:

- i) a review of historic data in order to identify potential areas of concern on the property and on adjacent properties, through an evaluation of past land use;
- ii) A review of all historic data available prior to acquisition of the property by the City of Guelph
- iii) a review of all available historic data and reports prepared for the site since the City of Guelph acquired the property in December 1997;
- iv) a site reconnaissance and preliminary examination of the property to document the presence of readily observable wastes, staining, plant kills or other readily observable evidence of contamination that might be present;

- v) preparation of a report on the results of the work undertaken, including provision of recommendations for additional investigations as may be required.

This report has been prepared on the basis of our observations in the field, results of a review of the available data and on information made available to our staff by City of Guelph representatives. This report constitutes a preliminary assessment of site conditions, intended to address readily-evident issues and to identify such potential concerns as may be present for further study. As such, the study did not include any detailed subsurface investigation work. The Phase I ESA was completed in general accordance with the requirements of CAN/CSA Standard Z768/01, *Phase I Environmental Site Assessment*.

1.2 SITE LOCATION

The site, comprising an irregular triangular shaped block of land covering an area of approximately 5.2 hectare (13 acres), is located to the northeast of the intersection of Beverley Street and Stevenson Street South in the City of Guelph.

The location of the site is shown in the accompanying Figure 49520-P1-1, included in Appendix I.

2.0 HISTORICAL REVIEW

A historical review of the subject property was undertaken to determine the likely presence of any concerns of an environmental nature resulting from previous use of the site and adjacent properties.

The review included:

- obtaining an EcoLog ERIS report for the site. This report contains information from available federal, provincial and private databases;
- reviewing the available information on previous owners and tenants provided by the City of Guelph;
- reviewing the environmental and planning reports completed by others for the property; and,
- obtaining and reviewing historical aerial photographs from the National Airphoto Library in Ottawa.

2.1 LAND OWNERSHIP INFORMATION

According to available land title information the subject property is legally described as:

Part of Lot 2, Division F, Concession III, Guelph, County of Wellington

A review of the available information provided by the City of Guelph indicates that the property was:

- initially purchased by the IMICO in approximately 1912 when the company was formed;
- sold to a John H. Long on April 10, 1992 for the consideration of \$1;
- sold to the Assembly of the Church of the Universe on December 31, 1993 for the consideration of \$50;

- transferred to the City of Guelph on May 5, 1997 as consideration for the non payment of taxes; and
- the land has remained in the possession of the City of Guelph since that time.

2.2 AERIAL PHOTOGRAPHS

Aerial photographs of the subject site were reviewed for the years 1964, 1972, 1981, 1990 and 1995. Copies of the aerial photographs are included in Appendix II. Observations made from each of the photographs are as follows:

**TABLE 2.1
REVIEW OF AERIAL PHOTOGRAPHY DATA**

YEAR	OBSERVATIONS
1964	<ul style="list-style-type: none"> ▪ All buildings are completed. Ground surface at the eastern end appears to be slighter darker than the ground surface at the western end of the site. The land to the north is unoccupied. There is a plant to the northeast (Concrete plant?).
1972	<ul style="list-style-type: none"> ▪ There is now a parking area located in the north west corner of the property. The land to the north is still not developed.
1981	<ul style="list-style-type: none"> ▪ The lands are similar to previous years. There is a new building located to the north of the machine shop and warehouse. This is identified as a storage building in previous documentation.
1990	<ul style="list-style-type: none"> ▪ There are no cars in the parking lot (note plant closed in 1989). Plant layout and surrounding lands are very similar to previous years. The plant to the north has expanded its operations and is using more of the lands to the north for a laydown yard.
1995	<ul style="list-style-type: none"> ▪ It appears as if some of the buildings are in the process of being demolished. Buildings (shipping, storage, finishing and annealing and the machine shop and warehouse) in the northeast corner of the property do not have roofs. Also the offices at the front of the plant are in the process of being demolished.

A discussion of the most environmentally significant information identified in the EcoLog ERIS report is presented in Section 5.3 of this report.

2.3 FIRE INSURANCE PLANS

CGI (formerly the Insurers' Advisory Organization Inc.) was contacted and requested to review their files for any information available on the subject property. We have been advised that CGI

has no fire insurance maps available for the site. The letter from CGI advising of this information is provided in Appendix III at the rear of this report.

One fire insurance map for 1960 was located in the City of Toronto Reference Library. This map indicated that there were numerous buildings on the site. Coal and sand were stored in the central portion of the site. This map also indicated that the adjacent lands to the east and northeast property was occupied by a manufacturer of stoves. The operation included machine shops, an enamelling building, presses and assembly operations. No other fire insurance plans were available for this area of Guelph in the Toronto Reference Library.

2.4 FREEDOM OF INFORMATION REQUEST

A Freedom of Information (FOI) was made to the Ontario Ministry of the Environment. A large volume of information was available, most of which had been previously supplied by the City of Guelph. Information provided included more complete versions of reports in City of Guelph files, MOE correspondence and the results of a MOE Phytotoxicological Investigation. Relevant documents obtained from the MOE have been summarized in Section 2.7 - Site History of this report.

2.5 ECOLOG ERIS REPORT

An EcoLog ERIS report was generated for the site at 200 Beverley Street. A total of 48 public (federal and provincial) and private databases were searched for all available information within 2.0 kilometres of the site. Detailed information is provided on locations within 0.5 km. A summary of the information returned during the search is provided below. The complete report listing all databases searched and records returned is provided in Appendix IV

**TABLE 2.2
RECORDS RETURNED DURING DATABASE SEARCH**

DATABASE	ON-SITE	WITHIN 0.50	0.50 km to 2.00 km	TOTAL
Anderson's Waste Disposal Sites	0	1	2	3
Automobile Wrecking & Supplies	0	2	5	7
Certificates of Approval	0	13	131	144
Chemical Register	0	1	4	5
Coal Gasification Plants	0	0	1	1

DATABASE	ON-SITE	WITHIN 0.50	0.50 km to 2.00 km	TOTAL
Compliance and Convictions	1	1	0	1
Environmental Registry	0	4	37	41
ERIS Historical Searches	1	11	29	40
Ontario Regulation 347 Waste Generators	6	86	301	387
National Defence & Canadian Forces Fuel Storage	0	0	1	1
National PCB Inventory	0	2	21	23
National Pollutant Release Inventory	0	3	35	38
Ontario Oil and Gas Wells	0	0	1	1
Inventory of PCB Storage Sites	1	1	6	7
Occurrence Reporting Information System	1	12	115	127
Pesticide Register	0	4	15	19
Private Fuel Storage Tanks	0	2	6	8
Ontario Regulation 347 Waste Receivers Summary	0	0	4	4
Record of Site Condition	0	0	1	1
Retail Fuel Storage Tanks	0	19	26	45
Scott's Manufacturing Directory	0	66	109	175
Waste Disposal Sites - MOE 1991 Historical	0	0	1	1
Water Well Information System	0	1	38	39

A discussion of the most environmentally significant information identified in the EcoLog ERIS report is presented in Section 5.3 of this report.

2.6 EXISTING SITE REPORTS

Numerous reports have been completed on the property. A complete list of all information provided to DCS by the City of Guelph and reviewed during the preparation of this Phase I ESA report is provided as Appendix V at the rear of this report.

A summary of the reports has been provided in the Section 2.7 Site History

2.7 SITE HISTORY

The International Malleable Iron Company (IMICO) purchased the site at 200 Beverley Street in 1912 for development as a foundry. No evidence of previous commercial or industrial land use has been found. The foundry has operated as an iron-jobbing facility for the production of various metallic forms using malleable and ductile iron.

IMICO/Proctor and Redfern Environmental Investigation - 1989

A preliminary environmental site investigation was completed for IMICO in June 1989 by Proctor and Redfern (P&R). At the time they completed an historical records search, identified areas where environmental concerns potentially existed and completed a field investigation program which included near surface and surface soil sampling. The results of this investigation recommended that specific remedial measures were to be completed.

The facility was closed and abandoned by IMICO in September 1989 prior to the implementation of the remedial measures. The Bank of Montreal, the major creditor, would not take possession of the property due to the associated liability. In November 1990 P&R was retained by the Bank of Montreal, under a detailed agreement with the MOE, to complete the remedial measures recommended in their 1989 report. These measures included containerizing all identified liquid wastes, removal and disposal of approximately 50% of these wastes, identification and removal of all polychlorinated biphenyls (PCBs) containing electrical equipment (excluding fluorescent light ballasts), the placement of all PCB wastes into storage and the implementation of short term security measures.

In early 1990 P&R also completed an intrusive program at the site that consisted of a series of 55 test pits to investigate the horizontal and vertical extent of soil contamination, a total of 16 corings through the foundry floor to investigate conditions underlying the plant and five ground water observation wells (OW1-OW5). The location of all sampling points are shown on Figure 49250-P1-2, Appendix I. A review of the investigation results indicates:

- Soils defined as leachate toxic with respect to lead under O.Reg. 309 were found in the northeast portion of the site;
- Soils containing highly elevated concentrations of zinc were found on the northeast and southeast portions of the site;
- Several areas of elevated metals, oil and grease and PCBs were identified over the remainder of the site;
- A layer of fill, consisting of foundry sands, slag and cinders, averaging 0.2 to 1.0 m in thickness was found across the majority of the site;

- Significant levels of organic and inorganic parameters were identified in an observation well located in the north east corner of the site;
- Over 400 cubic metres of foundry sand were still on site;
- Several catch basins and waste water sumps containing sludge materials required off-site disposal; and,
- Asbestos and small quantities of PCB contaminated electrical equipment were still present on the site.

Recommendations and cost estimates were prepared and presented in the report. No action was taken on the recommendations made in the P & R report regarding environmental remediation.

Interim Land Ownership and MOE Directors Order

The ownership of the site was transferred to a Mr. John Long on 10 April 1992. City of Guelph staff indicate that Mr. Long used the facility for storage of waste materials including paint sludges. This material was stored in the main foundry building. This material was removed under orders from the Ontario Ministry of the Environment. The MOE subsequently issued an order to clean the site on 1 November 1993.

The land was subsequently transferred to The Assembly of the Church of the Universe on 31 December 1993. No environmental remediation action was undertaken by the Church of the Universe. A MOE Directors Order was issued on 14 July 1994 naming six recipients including IMICO and associated people, John Long and The Assembly of the Church of the Universe. This Order was appealed by the Church to the MOE Environmental Appeal Board. This appeal was eventually denied; however, no environmental actions were undertaken.

MOE Phytotoxicological Investigation

The Ministry of the Environment published the results of a phytotoxicological investigation completed in the vicinity of the IMICO property. This investigation consisted of obtaining a number of samples and analysing them for levels of metals and inorganic parameters. The results indicate that there are naturally elevated levels of metals including copper, lead and zinc in the surficial soils (i.e. 0 – 5 cm) in the vicinity of the IMICO site.

Subsequent testing completed in 1995 confirmed elevated levels of zinc in two of the previously sampled location. During this phase of the investigation samples were obtained from 0-5 and 15-20 cm depth. The results of analysis did not show a large variation in concentrations with depth. In addition, a conclusion of the investigations determined that zinc is naturally elevated in the Guelph area.

City of Guelph Property Ownership

The City of Guelph took over the property, and responsibility for the Directors Order, on 28 May 1997 for non payment of taxes. The City attempted to sell the land for the value of the unpaid taxes but were unsuccessful.

On 9 February 1998 the Planning and Works Committee directed staff to “manage the site in a responsible but cost effective manner to prevent adverse environmental effects and to minimize unsafe conditions on site; these goals will be achieved through a phased approach consistent with reducing uncertainties and impediments to reuse or redevelopment of the site; if, at any time a suitable purchase or partner comes forward, the City may seek to achieve these same site management goals through appropriate agreements.”

On 23 February 1998 the City of Guelph issued a Remedial Work Plan to the MOE that included a Request for Proposals to complete an investigation at the site. Gartner Lee Ltd. was subsequently selected to complete the site investigation and P&R was chosen for site inspection and engineering evaluations.

Initial Gartner Lee Environmental Report - 1998

Gartner Lee issued a Final Draft Report on 12 August 1998. In this report they indicate that over the course of the investigation they drilled a total of 11 boreholes and equipped 9 of these locations with monitoring wells. Five shallow and four deep monitoring wells were installed (OW1-II, OW3-II, OW6, OW9-I, OW9-II, OW10, OW11-I, OW11-II, and OW12). Ground water samples obtained from all monitoring wells and select soil samples were submitted for analysis. Based on the results of these analyses Gartner Lee found that the northeast corner of the site has the most significant contamination, some off-site contaminants were detected along the north-east perimeter and low concentrations of Total Petroleum Hydrocarbons (TPH) occur

over most of the site. They recommended that levels of contaminants along northeast and southeast perimeters should be investigated.

Proctor and Redfern Site Inspection and Engineering Evaluations - 1998

Proctor and Redfern (P&R) submitted their final report on the Site Inspection and Engineering Evaluations to the City of Guelph on 12 August 1998. At the time of preparation of this Phase I ESA report, DCS was in possession of only a draft copy of the report. Proctor and Redfern recommended that all remaining buildings be demolished and all hazardous materials be subsequently removed from the site. They provided a demolition plan and suggested costs to complete the removal of all buildings.

Gartner Lee Supplementary Hydrogeologic Investigation - 1999

Gartner Lee completed a Supplementary Hydrogeological Investigation, the results of which were issued in a report dated 8 March 1999. During the investigation, which was completed in September and December 1998, a total 12 test pits (TP1-TP12) and 13 boreholes, 10 with associated monitoring wells, were advanced on the site (OW13, OW14, OW15, OW16, OW17, OW18-I, OW18-II, OW19, OW20, OW21, BH22, BH23 and BH24). The sampling locations are shown on Figure 49250-P1-1-2, included in Appendix I.

The test pits were excavated to the top of bedrock, approximately 2.0 m below ground surface (BGS). The shallow monitoring wells were installed to between 4 and 5 metres BGS with an effective screen that straddled the overburden/bedrock contact. The deep monitoring wells were installed to a depth of approximately 7.8 m BGS and the screen was sealed within the bedrock. The report found that:

- Analysis of soil and ground water samples indicated that the soil in the northeast corner of the site was highly impacted by Total Petroleum Hydrocarbons (TPH). During the field investigation free product was observed in the soil. In addition, a number of PAHs were found in excess of the MOE Table A guidelines which were applicable, for a potable ground water land use area, at the time.
- In the south east corner, in the vicinity of a former UST, it was found that some Volatile Organic Compounds (VOCs), TPHs and PAHs were found in excess of the Table A criteria. The ground water contained trace levels of VOCs, TPHs and

PAHs. Metals were found in ground water samples in excess of the Table A criteria.

- On the west side of the property no VOCs or PAHs were found in excess of the Table A criteria. However, TPHs and metals were found at concentrations greater than the Table A criteria.
- A monitoring program was initiated with events completed at a frequency of every three months. The initial event was undertaken in September 1998. This program and analyte list was generated in conjunction with the City of Guelph in keeping with the remedial action plan submitted to the MOE.
- A soil vapour survey was completed on the west side of the property to determine if the VOCs present in the ground water originated from the soil in the area. No VOCs were detected in the soil indicating that the VOCs were localized in the ground water.

Recommendations for the removal of hydrocarbon impacted and leachate toxic soils in the northeast corner were made in a letter sent by Gartner Lee to the City of Guelph on 14 April 1999. The recommendations included the removal of all soil that exhibited free product or the observance of significant hydrocarbon staining at the soil/bedrock contact and the removal of all soil that has zinc concentrations exceeding the concentration of 10,000 ug/g.

Philip Environmental - Earthtech Remedial Program - 1998/1999

Four of the existing monitoring wells located in the northeast corner of the site (OW1, OW1-II, OW20 and OW21) were decommissioned in April 1999 prior to the excavation and removal of the hydrocarbon impacted and leachate toxic soils. The well casings were removed and the remaining annular space was backfilled with a grout mixture to the ground surface.

Demolition of the buildings and removal of all wastes on the site was completed by Philip Environmental Services (PES) between November 1998 and July 1999. During this time waste materials consisting of Asbestos Containing Material (ACM), PCB contaminated material, various liquid wastes, leachate toxic wastes, registerable wastes and non-registerable solid wastes and other waste debris were removed from the site. Proctor and Redfern (became Earth

Tech during the life of the contract) provided contract administration and verification sampling over the course of the work.

A summary of the demolition and waste removal is provided below:

- All asbestos removal was completed in accordance with O. Regulation 838 using Type 1 and Type 2 operations. Approximately 1600 tonnes of various ACM were removed and disposed of at the City of Guelph landfill. This material included roofing materials and other non-friable ACM, piping insulation and other friable ACM and foundry equipment
- Solid wastes removed included 1700 tonnes spent foundry sands and 100 tonnes of registerable foundry sands and dusts and leachate toxic materials were removed from the site and disposed at the Taro landfill located in Hamilton, Ontario. In addition, 160 kg of leachate toxic materials were removed and transported to the PES Transfer facility in Hamilton for disposal.
- Liquid wastes consisting of waste oils and sludges were collected from various sources on the site. The wastes were generally contained in small pails and 205 litre drums. These waste, comprising approximately 465 litres were transported to the PES facility in Hamilton for disposal. In addition, solidified Bunker C residue was removed from a 45,000 litre AST and disposed as solid waste at the Taro facility.
- The demolition of the unsafe buildings was completed in July 1998. Demolition of all other structures was completed between 23 November 1998 and 16 June 1999. All material from the demolition was separated. Steel and other metallic debris was transported to the PES metal recycling facility in Hamilton, Ontario. The main wooden support structures that were free of asbestos were donated to the Mennonite community in Arthur, Ontario, the waste brick and concrete were disposed of in a gravel pit located in Ayr and all remaining construction material and waste debris was disposed of at the City of Guelph landfill.
- The PCB remediation program, undertaken in two areas, was completed from 10 May 1999 to 22 July 1999. The initial area was the former PCB storage pad located near the northeast corner of the property. The second location was the

capacitor room located near the centre of the foundry building (Figure 49250-P1-3). Approximately 250 kg of PCB contaminated ash residue was collected from the PCB storage area and the concrete floor removed. The capacitor room was remediated in stages due to the condition of the foundry buildings. Concrete samples from the cinder block walls that contained PCB in concentrations greater than 50 ppm were classified as PCB waste and treated as such. During the demolition of the capacitor room a utility trench was located. This trench consisted of heavily stained walls and a soil floor. Soil and concrete contaminated with PCB were removed from the site. A sub-floor was found in the capacitor room and it was found that the soils under this floor were impacted. Impacted soil and concrete were removed from the site. Final verifications samples were obtained in areas where PCB contamination had been found. All results were less than 5 ppm with the exception of two bedrock samples where the analytical results ranged from 8.5 to 9.5 ppm. All PCB wastes were transported to Bennett Environmental in Quebec for destruction in approximately June 2006.

- A storm water management plan was used to isolate and collect surface and ground water that came into contact with impacted waste materials. Existing sewers were blocked and all rain and snowmelt was directed to sumps that had been isolated from the City system. The collected water was tested and if acceptable was discharged to the City system.
- The soil in the north east corner of the property was excavated and removed from the site between 3 June 1999 and 23 June 1999 (Figure 49250-P1-3). Approximately 9,387 tonnes of contaminated soils, 36 tonnes of leachate toxic soils and 925 tonnes of impacted concrete were removed from the site and transported to the PES transfer facility in Hamilton for disposal. Verification sampling was completed for TPH, PAH, VOC, lead and zinc and compared to the Table A guidelines. TPH, both heavy oil and gas/diesel, concentrations remained above the guideline values for numerous samples.
- All sumps, pits (Figure 49250-P1-4) and excavations were backfilled with clean Granular 'B' backfill. The material was placed in 0.3 m thick lifts and compacted to 98% of the Standard Proctor maximum dry density.

Gartner Lee Investigations - 2000/2001

Gartner Lee installed an additional six monitoring wells in three locations (OW22S & D, OW23S & D and OW24S & D) following the excavation and removal of impacted soils in the north east corner of the property. These wells were nested in pairs and were installed to monitor the continuing impacts on the ground water in the area. A seventh shallow ground water monitor (OW25) was installed in the vicinity of the former Capacitor Room.

Gartner Lee completed a test pit investigation in the south eastern portion of the property to investigate a series of anomalies detected during an EM31 Geophysical survey on 31 May 2000. Nine test pits (TP1-TP9) were advanced on 20 June 2000 and it was determined that the anomalies were buried ferrous material that posed no significant risk. A soil sample collected during the investigation found that zinc and TPH were at concentrations greater than the allowable Table A criteria.

Free petroleum product had been noted in two shallow ground water monitoring wells located in the northeast corner of the site (OW22S and OW23S). Gartner Lee attempted to determine the feasibility of recovering this product through the use of a peristaltic pump and a plastic bailer in July 2001. A minimal volume of oil was recovered in comparison to the estimated volume expected to be present. It was found that the recovered product was highly weathered, had a slight oil/diesel odour and that it readily adhered to the equipment. It was suggested that the oil adhered to the probe of the interface meter and provided an incorrect estimate of the thickness of the product. It was also suggested that ground water sampling at these two locations (OW22S and OW23S) be discontinued as the product would be responsible for the elevated TPH and PAH readings.

MOE Director's Order Modifications - 2001

In August 2001 the City of Guelph requested that the MOE Directors Order, issued in 1994, be lifted as sufficient effort had been expended in remediating the site. In addition, it was the City of Guelph's position that a portion of the VOC contamination had migrated on to the site from the east. Efforts had been made to resolve the issue with the owner of that property but without any success. The MOE indicated that the lifting of the order at that time was premature and requested additional work be completed.

In December 2001 the MOE agreed that the frequency of the ground water monitoring could be reduced to twice yearly and that sampling for PCBs could cease with the exception of ground water recovered from the vicinity of the capacitor room. In this location, the recovered ground water sample should be analysed for PCB once per year. In addition, they agreed that analysing for VOCs and PAHs in the ground water sample recovered from the shallow wells in the northeast corner could be discontinued and that sampling for TPH, PAH and VOC in the shallow ground water monitor located off site of the northeast corner (OW6) should be initiated.

The City installed additional ground water monitoring wells to further define the ground water flow patterns and contaminant distribution. The installation date of these nests was not available when this Phase I ESA was produced. One monitoring well nest (OW26S & D) was installed along the south fence line to monitor the ground water quality downgradient of the capacitor room. Two nests (OW27S & D, OW28S & D) were installed to the north east of the site to monitor ground water levels and quality upgradient of the site. Two nests (OW28S & D, OW29S & D) were installed on the neighbouring property to determine ground water flow patterns and ground water quality to the east of the site. The MOE requested that monitoring and sampling of these newly installed monitors be completed on a quarterly basis for the period of one year to establish a baseline through all seasons for comparison for future sampling events.

Gartner Lee continued to perform routine ground water monitoring across the site. In general it was found that the most heavily impacted area was the eastern part of the site in terms of the ground water with occasional exceedance of metals (mainly lead) and occasional VOC, in the western part of the site.

Gartner Lee Contaminant Investigation, 490 York Road - 2004

In response to a Provincial Order Gartner Lee Limited drilled a number of boreholes and equipped them with ground water monitor wells. The purpose of these wells was to better define the ground water flow conditions and ground water quality in order to help establish the source of the VOC contamination observed in the wells located along the east property boundary of the IMICO property.

This report suggests that the VOC contamination originated on the property adjacent to the IMICO site. However, this contention was disputed by a memo from the MOE. The MOE suggests that the VOC contamination could have resulted from any one of three properties that

abut in the area. Also unless the City could present clear evidence that IMICO is not the source of contamination that any future work assume that IMICO is the source.

City of Guelph Site Redevelopment Planning

In 2003, the City commissioned a Property Use Study to identify and assess potential alternative land redevelopment scenarios. The study reviewed the full range of potential uses, environmental remediation requirements, infrastructure and transportation requirements, market feasibility, and public acceptance for each of the redevelopment scenarios considered. These scenarios included residential, industrial, commercial, railway and recreational land uses as well as various combinations of each of these. The City's intent is to see this land put back into productive use.

In 2006, a Request for Expression of Interest to redevelop the site resulted in several responses indicating an interest by private developers in participating in the redevelopment. It is the City's intent to issue a Request for Proposals for redevelopment, but there is a need to first ascertain environmental conditions and estimated costs of remediation.

The City has passed the following resolutions with regard to the ultimate land use for the site:

THAT the identified uses for the former IMICO site at 200 Beverley Street include any of: (a) Community Use as a Single Use; (b) Community, Medium Density Residential and Commercial Uses; (c) Railway Use; or (d) Community and Government Uses.

THAT approximately 3 to 4 acres of the 200 Beverley Street property, with access to Stevenson Street, be dedicated for park purposes in the final redevelopment scheme for the site;

As a result, the City of Guelph issued a Request for Proposals to

1. Conduct a Phase I Environmental Site Assessment (ESA) in accordance with the requirements specified in O.Reg. 153/04 in support of the future filing of a Record of Site Condition (RSC) for the site.
2. Conduct a Phase II ESA in accordance with the requirements specified in O.Reg. 153/04. This will be completed so as to provide support for the possible future completion of a Risk Assessment and the filing of a RSC for the site in the future.

3. Develop a Preliminary Remedial Action Plan (RAP), a cost estimate for clean-up to generic clean-up criteria, and cost estimates to complete a Risk Assessment or combination Risk Assessment and clean-up

3.0 SITE CONDITIONS

A description of the property is provided in the following section. Photographic documentation is provided in Appendix VI.

3.1 SITE OCCUPANTS

The site is currently unoccupied.

3.2 FACILITIES

There are no buildings on the site; however, numerous concrete floor slabs of buildings that have been demolished are remaining.

3.3 OPEN LAND

The entire site is considered open lands with no structures present. A description of the open land, based upon our site reconnaissance is given in Section 4.3 of this report.

3.4 SURROUNDING LAND USE

The surrounding lands are occupied by a mixture of both residential and industrial lands. A number of homes face the site on the south side of Beverley Street with low rise industries located on either side. To the east immediately adjoining the site and to the west across Stevenson Street is a number of industrial buildings. These building generally contain fabricating facilities or retail shops. Immediately to the north is the Guelph Junction railroad. This rail spur joins the City of Guelph with the main Canadian Pacific railroad line, located to the south of the City. It is our understanding that two trains per day use this line and they contain various types of cargo from production facilities within the City of Guelph. According to available information no discharges have occurred along this line.

To the north of the rail lines is a large production facility belonging to Polymer Distribution Inc. It is our understanding that this facility is new within the last two years. The site was previously occupied by a concrete prefabrication plant that manufactured concrete pipes on the site.

To the northeast of the site, along Simcoe Street, are a number of residential dwellings. Victoria Street, which is lined by retail stores and small manufacturers, is located further to the east. One manufacturing facility, Holody Electro-Plating, operates a ground water production well. The production rate is not known at this time but is understood to be minimal. This is the only known ground water production well in the area.

4.0 SITE INSPECTION

An inspection of the property was undertaken by DCS on 29 November 2006. At the time there was no snow cover on the site.

Observations made during the property inspection along with information obtained during on-site interviews are presented below. The locations of previously completed remediation and former location of the main production equipment and significant land features identified during the inspection are shown on the attached Figures 49250-P1-3 and -4.

4.1 INTERVIEWS

Throughout the course of the site inspection discussions were held with Mr. Grant Ferguson, Technical Services Supervisor, Engineering Division, City of Guelph, regarding the historical aspects of the site and facilities operations. Mr. Ferguson has been involved with the on-going remediation of the site from the initial shut down of the plant and facilities by the International Malleable Iron Company in 1989. His comments and concerns have been incorporated in this report.

4.2 FACILITIES INSPECTION

There are no facilities remaining on the site. The original buildings had been damaged by a series of fires. This information was reported in the MOE Occurrence Reporting Information System (ORIS) report indicated in Table 2.2. The buildings were razed to ground surface in 1999, leaving the concrete floor slab in place. This remediation was supervised by Earthtech and described in their report "*City of Guelph, Former IMICO Facility, Demolition and Waste Removal Report*, dated October 1999".

4.2.1 Sumps, Pits and Wells

A number of sumps and pits were present and in use in the IMICO production facility. These pits and sumps were remediated during the building demolition completed in 1999. All impacted soil and wastes within the sumps were removed and the sumps were then backfilled with clean granular fill (Figure 49250-P1-4).

4.3 OPEN LANDS

The open land was inspected, to the extent possible, to determine if there was any evidence of chemical impact that could potentially affect soil quality.

The open lands were covered by scrub grasses, small trees and granular fill. In addition, there were a number of drums scattered across the site. Random drums were examined and some contained what is believed to be purge water from the existing ground water monitoring wells. Other drums were empty. No piles of waste or other material were noted on the site. As indicated above, the concrete floor slabs from the demolished buildings remain in place.

Towards the northwest corner of the site several small piles of material were noted. These piles were covered with vegetation and appeared to consist of soil. (Photograph 4, Appendix VI.)

No evidence plant kill was observed. As may be seen in the photographs in Appendix VI some of the taller plants were dying, however, this is attributed to winter kill.

Live grasses that did not exhibit signs of distress were observed across the site (Photographs 4 and 6). Several large trees up to 10 m in height were observed at the site. No leaves were remaining and as a result we were unable to ascertain any distress (Photographs 1, 2 and 3).

It was noted that a small gravelled area with was located near northwest portion of the site near the employee parking area. It was initially assumed that this area has contained a transformer, however, it was later learned that it was use as a temporary storage area during remediation activities.

5.0 DISCUSSION

5.1 HISTORICAL LAND USE

The International Malleable Iron Company purchased the site as 200 Beverley Street in 1912 for development as a foundry. No evidence of previous commercial or industrial land use has been found. The foundry has operated as an iron-jobbing facility for the production of various metallic forms using malleable and ductile iron.

A detailed summary of the site history is provided in Section 2.6.

5.2 HISTORIC NEARBY LANDUSE

A review of available fire insurance maps and select city directories indicate that there have been a number of uses on the adjacent properties. For the most part the nearby facilities should not have had an impact on the IMICO property. However, there have been nearby land uses that could have had a detrimental effect. These have included:

- 1) a facility operated by Canadian Oil company at the northwest corner of Elizabeth Street and Victoria Street. This facility operated from at least 1938 to 1957.
- 2) a facility operated by Guelph Stove Works located at 490 York Road, immediately to the east of the IMICO property. This facility included machine shops, enamelling facilities, presses and assembly areas. This facility operated from at least 1930 to later than 1964. Further information was not available at the time of the preparation of this report.
- 3) a plant operated by Holody Electro-Plating located at 66 Victoria Road South. This facility operated from at least 1957 to the present.
- 4) a coal/coke dealer was located at 141 Victoria Road South in 1957. Additional information is not available.
- 5) a number of wood working facilities operated along Elizabeth Street and Victoria Roads between 1926 and the present.

Surrounding historic land use is shown on Drawing 49520-PI-5.1.

5.3 CURRENT NEARBY LAND USE

Current nearby land use generally consists of light industrial with some residential located to the south and north east of the site. The EcoLog ERIS report generated for the site is provided in Appendix IV. A number of facilities located within 0.5 kilometres have the potential to impact on the site. These include gasoline stations, a polymer manufacturer and an electro plating operation; however, there is no evidence that any adverse effects have been generated.

There have been three Certificates of Approval (C of A) issued on nearby lands that could impact the soil and/or ground water. These include two ground water treatment systems and one soil treatment demonstration plant. The ground water treatment systems are located west of the property.

One C of A (CA 7, see Site Diagram in EcoLog ERIS report) is for a facility located approximately 0.2 km to the west of the site on Alice Street. According to available information a toluene discharge has occurred in the past and a number of recovery wells and a treatment system are in place. In addition, a number of observation wells are in the area. It is our further understanding that one observation well is located on the east side of Stevenson Street South at the intersection with Alice Street.

A second former ground water treatment system is located (CA 12) on Morris Street approximately 0.5 km to the west. This system is for a site that was owned at the time by Imperial Oil. This C of A was issued in 1991 and it is not known if Imperial Oil continues to operate the site nor if the system is still in operation.

The C of A (CA 5) for a soil treatment demonstration plant operated by Tallon Metal Technologies is registered to a site located immediately across from the property at the south east corner of Stevenson and Beverley Streets. This C of A was issued in 1992 and it is not known if the system is still being operated. The types of contaminants treated at the site are not known at this time.

A National PCB site (NPCB 1 to 2) is reported to be located on the adjacent property at 490 York Street. This site consists of six transformers that contain PCBs. The concentration of PCB in these transformers nor the conditions of the transformers is not known.

There are numerous sites registered as waste generators under O. Reg. 347. A total of 86 (including six for the IMICO property itself) are located within 0.5 km of the site with an additional 301 being located between 0.5 and 2 kilometres from the property. The types of waste generated within 0.5 km include organic and inorganic chemicals, emulsified oils, petroleum distillates, aromatic and aliphatic solvents and acidic wastes. A complete list of sites and types of wastes generated is provided in the EcoLog ERIS report in Appendix IV.

5.4 EXISTING SITE CONDITIONS

5.4.1 Open Lands

There was no evidence that current activities on the site could affect the quality of the soil or ground water. The site is currently fenced. No tenants occupy the property.

6.0 RECOMMENDATIONS FOR FURTHER INVESTIGATION

6.1 SOIL AND GROUND WATER QUALITY

Soil and ground water quality has been assessed a number of times since the IMICO site was abandoned in 1989. Due to the shallow depth to bedrock the site is potentially classified as sensitive in which case the MOE Table 1 background conditions may apply. Soil and ground water quality on the site typically does not meet background standards for metals, hydrocarbons and polycyclic aromatic hydrocarbons (PAHs) at many locations. It has been determined that the soils and the ground water in the western portion of the site meet the MOE Table 2 site condition standards for potable ground water use areas in some areas. The soils and ground water in the eastern areas of the property typically do not meet the applicable MOE Table 2 standards.

In order to better determine the existing conditions at the site a number of additional boreholes should be drilled on the property. The conditions at the eastern end of the property have been fairly well defined. Residual contamination present in both the soil and ground water consist of metals, occasional VOCs and TPHs. In general, the soil sampling took place a number of years ago and given the volatile nature of VOCs and TPHs these contaminants may have been subject to natural degradation. This would result in lower organic contaminant concentrations at the site. The new boreholes would ascertain the current concentrations of these contaminants. As metals are not volatile their concentration should remain relatively constant with time.

In the centre of the property, in the vicinity of the capacitor room, there have been PCBs detected in low concentrations in the ground water. In addition, PCBs were detected in low quantities in the bedrock after the completion of the remediation of the capacitor room. As a result, additional well installations and groundwater sampling should take place in this area.

The impacts downgradient of the site along Kingsmill Avenue are not known. At least one ground water monitor should be installed in this area. In addition, it is not know if there are impacts in the vicinity of the houses located to the south of the property along Beverley Street. One monitoring well should be installed in this area.

Additional boreholes should be completed across the site in contaminant hot spots identified in both the original P & R and Gartner Lee reports. A detailed field program work plan will be generated and presented to the City of Guelph under a separate cover.

7.0 USE AND LIMITATIONS OF THIS PHASE I ESA REPORT

The Phase I ESA scope of work involves inspection and the recording of readily observable environmental conditions on the property that were available for direct observation at the time of the site visit and providing preliminary professional opinions about the likely environmental status of these portions of the site based on our observations and experience, as well as by reference to historical records prepared by others. The Phase I ESA reports on conditions at the date the field work was performed (December 2006) and as site conditions and other information presented can change, the Phase I ESA findings and interpretation may be altered with time.

The scope of a Phase I ESA inspection does not include systematic sampling and analysis of soil, ground water or other materials. A Phase I ESA does not therefore provide definitive conclusions as to subsurface conditions and in particular whether these are within regulatory guidelines for soil and ground water; nor can the potential for environmental issues be evaluated in inaccessible areas. Additionally, the presence of snow cover may also limit the ability to identify the presence of ground staining and/or vegetation distress due to contaminant sources. Unless specifically requested by the client, a Phase I ESA does not include the testing of building materials or waste materials in on-site tanks or containers nor does it verify the completeness or accuracy of historical records referenced, e.g., as to historical uses on and around the site and historical environmental incidents, if any, which could provide further insights into site conditions.

Because of these limitations on the scope of work for a Phase I ESA, it is possible that environmental conditions which affect the use or value of the site are not referred to in this report. The Phase I ESA usually can only describe the likelihood of contamination being present or absent at a property. It is intended to reduce, but not necessarily eliminate, uncertainty regarding the potential for contamination of a property. Where this potential has been identified, the further reduction or elimination of uncertainty requires the performance of a Phase II ESA.

This report has been prepared by DCS for the City of Guelph. DCS accepts no liability, whether in negligence, contract or arising on any other basis for damages or for indemnification arising from decisions or actions by others based on this report.

8.0 AUDITOR QUALIFICATIONS

The auditor, Mr. Stephen Prior, P. Eng., has been employed in the environmental field for 24 years and has extensive experience in carrying out Phase I environmental site assessments. He has been involved in the completion a variety of Phase I ESAs ranging from small institutional facilities and retail sites to major manufacturing and industrial plants. In addition to the above Mr. Prior has extensive knowledge of environmental regulations applicable to Phase I ESAs and has completed many regulatory compliance audits for commercial and industrial clients. Mr. Prior is designated by the MOE as a qualified person for the purposes of completion of both Phase I and Phase II ESA (QP_{Ph I & II ESA}).

Mr. Richard Browne, M.A.Sc., P.Eng. has more than 28 years experience in environmental and geotechnical engineering consulting. Mr. Browne is designated by the MOE as a QP_{Ph I & II ESA} as well as a QP_{RA}.

Resumes for Mr. Prior. and Mr. Richard Browne are provided in Appendix VIII.

9.0 CLOSURE

The data review, historical background review and site inspection work for this Phase I ESA program was undertaken by Mr. Stephen Prior, P.Eng. The report was prepared by Mr. Prior, P.Eng. and reviewed by Mr. Richard W. Browne, M.A.Sc., P. Eng.

Respectfully submitted,

DECOMMISSIONING CONSULTING SERVICES LIMITED

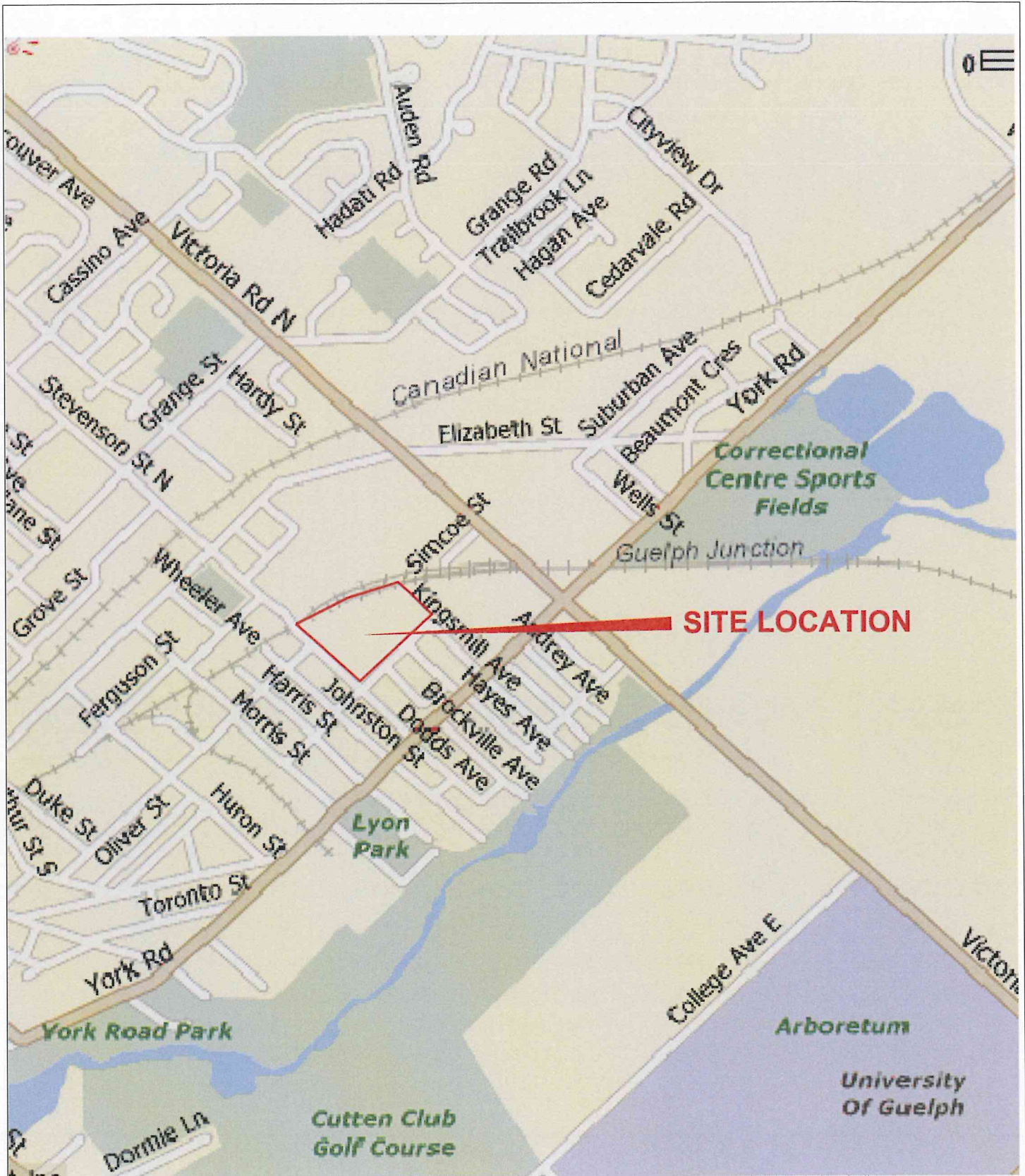
Alis Beak per SRP

Stephen R. Prior, P.Eng.
Senior Project Manager

APPENDIX I

FIGURES

DCS



SITE LOCATION



DECOMMISSIONING CONSULTING SERVICES LIMITED

CITY OF GUELPH
200 BEVERLEY STREET, CITY OF GUELPH

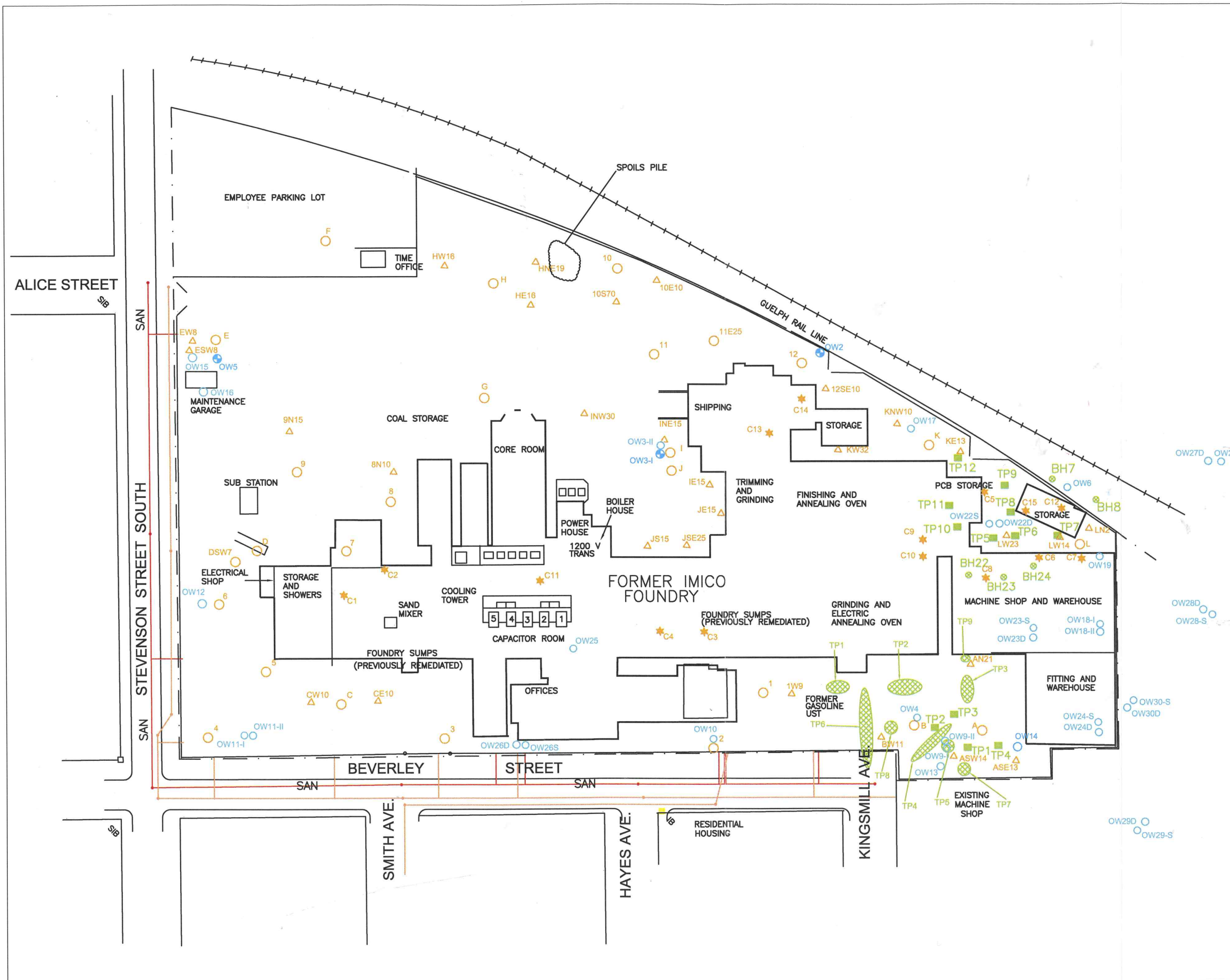
**FORMER IMICO FACILITY
PHASE I ESA**

SITE LOCATION

DEC. 2007

N.T.S.

49520-P1-1



- LEGEND:**
- L ● TEST PIT LOCATION (BY PROCTOR & REDFERN), 1990.
 - 10S70 ▲ TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN), 1990.
 - C10 ★ COREHOLE LOCATON (BY PROCTOR & REDFERN), 1990.
 - OW3-I ⊕ MONITORING WELL (BY PROCTOR & REDFERN), 1990.
 - OW6 ● MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
 - TP9 ⊗ TEST PIT (BY GARTNER LEE), 2000.
 - TP10 ■ TEST PIT (BY GARTNER LEE), 1999.
 - BH7 ⊗ BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

REFERENCE:

- * ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.
- * SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.
- * INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.
- * INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

DCS
 DECOMMISSIONING CONSULTING SERVICES LIMITED

CITY OF GUELPH
 200 BEVERLEY STREET, CITY OF GUELPH

**FORMER IMICO FACILITY
 PHASE I ESA**

TEST PIT, BOREHOLE AND MONITORING WELL
 LOCATIONS

ALICE STREET

SAN STEVENSON STREET SOUTH

EMPLOYEE PARKING LOT

TIME OFFICE

SPOILS PILE

GUELPH RAIL LINE

FORMER PCB STORAGE AREA

MAINTENANCE GARAGE

COAL STORAGE

CORE ROOM

SHIPPING

STORAGE

SUB STATION

BOILER HOUSE

TRIMMING AND GRINDING

FINISHING AND ANNEALING OVEN

ELECTRICAL SHOP

STORAGE AND SHOWERS

POWER HOUSE

1200 V TRANS

GRINDING AND ELECTRIC ANNEALING OVEN

PCB STORAGE

STORAGE

MACHINE SHOP AND WAREHOUSE

SAND MIXER

COOLING TOWER

FORMER IMICO FOUNDRY

FOUNDRY SUMPS (PREVIOUSLY REMEDIATED)

GRINDING AND ELECTRIC ANNEALING OVEN

FOUNDRY SUMPS (PREVIOUSLY REMEDIATED)

CAPACITOR ROOM

OFFICES

FORMER GASOLINE UST

FITTING AND WAREHOUSE

BEVERLEY STREET

STREET

EXISTING MACHINE SHOP

SAN

SAN

RESIDENTIAL HOUSING

SMITH AVE.

HAYES AVE.

KINGSMILL AVE.

LEGEND:



SOIL EXCAVATION AREA
PCB REMEDIATION AREA

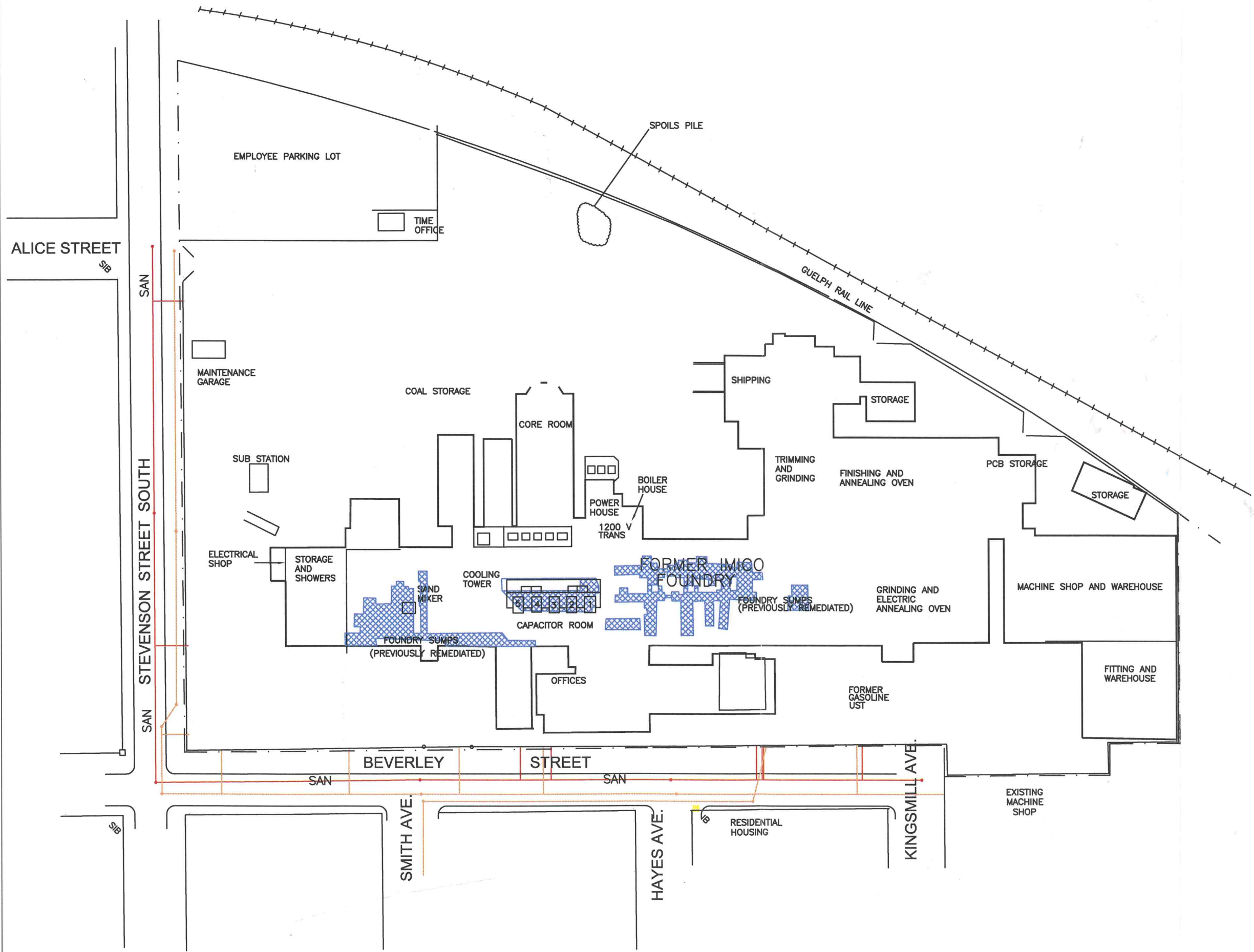
REFERENCE:
CITY OF GUELPH, FORMER IMICO FACILITY, DEMOLITION AND WASTE REMOVAL REPORT - BY EARTH TECH, OCTOBER 1999

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

CITY OF GUELPH
200 BEVERLEY STREET, CITY OF GUELPH
**FORMER IMICO FACILITY
PHASE I ESA**
REMEDATION COMPLETED DURING DEMOLITION

LEGEND:

 EXTENT OF FOUNDRY SUMPS



REFERENCE:
CITY OF GUELPH, FORMER IMICO FACILITY, DEMOLITION AND WASTE REMOVAL REPORT - BY EARTH TECH, OCTOBER 1999

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

CITY OF GUELPH
200 BEVERLEY STREET, CITY OF GUELPH
**FORMER IMICO FACILITY
PHASE I ESA**

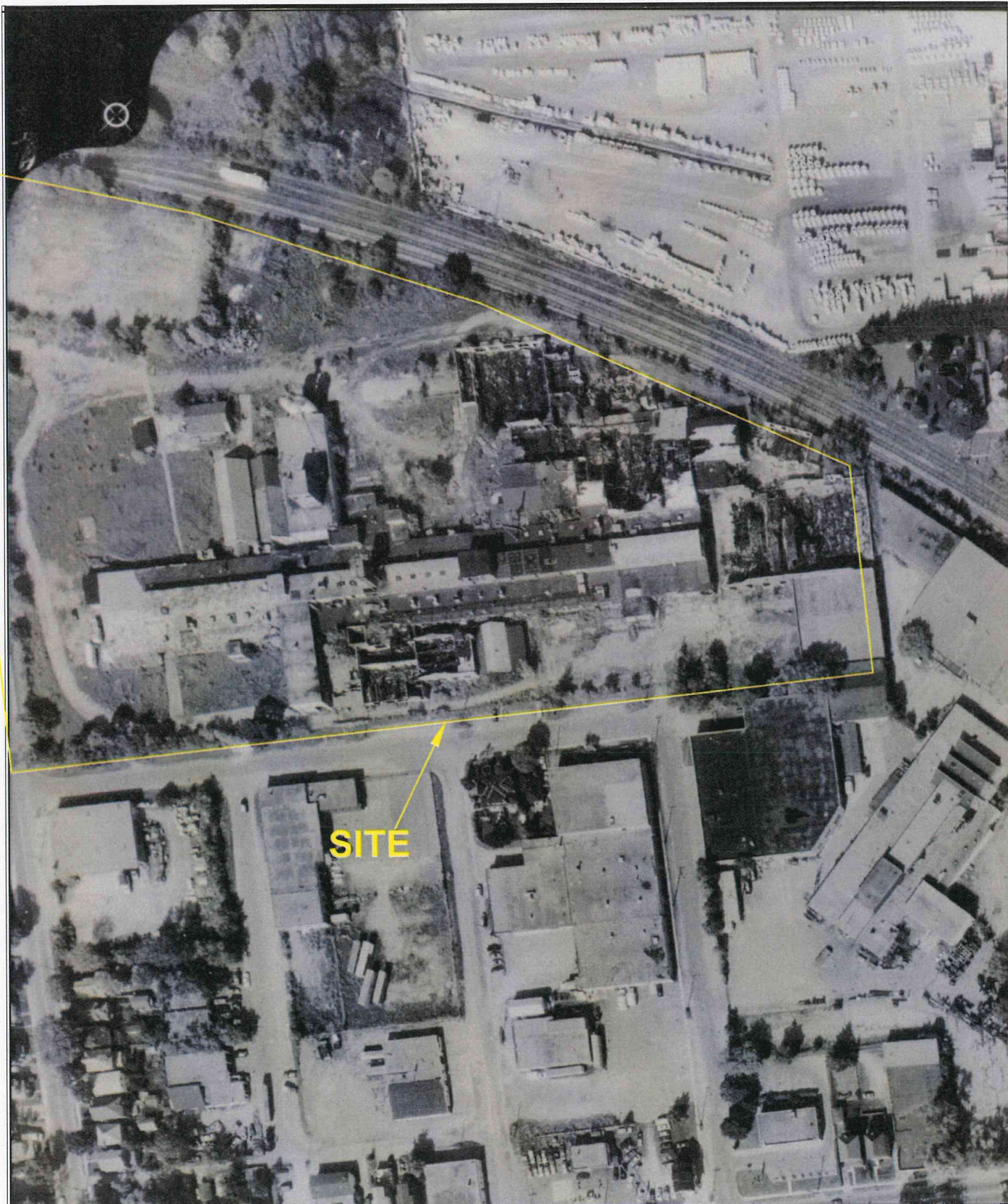
LOCATION OF REMEDIATED FOUNDRY SUMPS

DEC. 2007 1:1250 49520-P1-4

APPENDIX II

AERIAL PHOTOGRAPHS

DCS



1995 AERIAL PHOTO
Scale N.T.S.



1990 AERIAL PHOTO
Scale N.T.S.



1981 AERIAL PHOTO
Scale N.T.S.



1972 AERIAL PHOTO
Scale N.T.S.



1964 AERIAL PHOTO
Scale N.T.S.



1930 AERIAL PHOTO
Scale N.T.S.

APPENDIX III

FIRE INSURANCE MAPS



CGI – Risk Management Services

9 Mainstate Parkway
2nd Floor
Markham, Ontario
L3R 9S3
Tel. (905) 474-4443
Fax. (905) 474-4444
www.cgi.com

CGI Environmental Services

Historical Environmental Reporting System (HEIRS™)

December 5, 2006

Kathryn Shaw-Edmond
EcologERIS
12 Concorde Place, Suite 800
Toronto, ON
M3C 4J2

Regarding: 200 Beverly St, Guelph, ON

As requested, we have searched our records concerning the above site and the following information as listed below is appended hereto:

Information	Date(s)
Fire Insurance Plan(s)	NRF
Property Underwriters' Report(s)	NO
Property Underwriters' Plan(s)	NO

NRF: No Records Found NO: Not Ordered

Our invoice in the amount of \$ 40.00 (+ GST) for the information provided will follow in due course.

Thank you for employing the services of CGI.

Joan Majchrowski
Environmental Services

1 eSite: eSite – www.cj-i-ies.crp/idr

TERMS AND CONDITIONS

Report. The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in CGI's records relating to the described property (hereinafter referred to as the "Property"). CGI makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. CGI does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer. CGI disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on CGI Reports or from any tortious acts or omissions of CGI's agents, employees or representatives.

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

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

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

APPENDIX IV

CHRONOLOGY OF EVENTS

DOC. No.	DATE	DESCRIPTION
1.	11/1990	IMICO Site Plan
2.	06/10/1991	Proctor & Redfern Limited Environmental Investigation – International Malleable Iron Company
3	04/10/1992	Transfer from International Malleable Iron Limited to John H. Long, Instrument Number 663427.
n/a	4/15/1992	Notice of Violation served (Various Infractions)
4	05/22/1992	Order of Property Standards Officer issued and registered on title
4a	11/1/1993	Order of Property Standards Officer,.
5	12/31/1993	Transfer from John H. Long to The Assembly of the Church of the Universe, Instrument Number 706184.
6.	07/14/1994	MOE Order issued. Issued to 6 recipients. Requires a Remedial Work Plan.
7.	02/14/1995	Environmental Appeal Board (The Assembly of the Church of the Universe v. Director, West Central Region)
8.	03/20/1995	MOEE letter: Proposed Plan for Demolition of Buildings IMICO.
9.	02/05/1992	MOEE letter: Requesting status of demolition plan and whether Council has agreed to proceed.
10.	Jun/06,07,08, 12,13,14,15, & 28/1995	Environmental Appeal Board – Church of the Universe v. Director, Ministry of Environment and Energy
11.	03/01/1996	MOE letter to the City to answer the City’s question concerning the level of site investigation and clean-up that would be required if the City became the owner of the site.
12.	03/04/1996	MOE letter to the City: Phytotoxicology Survey in the Vicinity of the Former MIICO
13.	05/14/1996	MOE letter: regarding final copy of environmental clean-up requirements.
14.	05/28/1997	Notice of Vesting/Statutory Declaration under Municipal Sales Tax Act, Instrument Number 774461.
n/a	12/1997	City gains ownership of property following unsuccessfully attempt to sell it for unpaid taxes.
n/a	01/20/1998	City has vacant possession of property. Site security and patrols begin.
15.	02/09/1998	Status report to Planning, Works and Environment Committee - “Staff be authorized to proceed with a site management plan” - Staff developed Strategy for Site Management Plan: to manage the site in a responsible but cost effective manner to prevent adverse environmental effects and to minimize unsafe conditions on site; these goals will be achieved through a phased approach consistent with reducing uncertainties and impediments to reuse or redevelopment of the site; if, at any time a suitable purchase or partner comes forward, the City may seek to achieve these same site management goals through appropriate agreements.
16.	03/5/1998	MOE letter RE: City responsibilities to Director's Order

DOC. No.	DATE	DESCRIPTION
17.	03/23/1998	City submits to MOE: 1. Preliminary Site Management Plan – City requests approval
18.	04/1998	Public Notices: That the City will begin site investigations and evaluations on the IMICO site starting the week of April 27, 1998.
19.	04/21/1998	City letter to MOE: Advising that Gartner Lee appointed for preliminary site investigations and Proctor and Redfern appointed for site inspection and engineering evaluations.
20.	04/22/1998	Moe letter from John Cooke requesting further information following City submission of Preliminary Site Management Plan
21.	04/23/1998	Council Resolution: Staff were directed to prepare a report with respect to the process relating to the future usage of the IMICO site.
22.	04/29/1998	City letter from LEP requesting that the City's holding of reserves is sufficient to satisfy section 2.1.16 of the Order.
23.	05/1/1998	MOE letter to City to approve Preliminary Site Management Plan as submitted.
24.	05/22/1998	City submits to MOE a Plan to demolish Unsafe Buildings as recommended by Proctor and Redfern Limited during their engineering evaluations
25.	05/28/1998	Letter MOE to LEP regarding request to provide financial assurance - financial assurance not required at this time.
26.	06/12/1998	Gartner Lee: Geotechnical Investigation letter.
27.	08/4/1998	Status report to Planning, Works and Environment Committee - "Staff be authorized to proceed with site management plan". This stage estimated at \$800,000.00
28.	08/12/1998	Final Draft Gartner Lee Limited Report – Hydrogeologic Site Investigations – northeast corner has most highly concentrated contaminants – some off-site contaminants detected along north-east perimeter – low concentrations of Total Petroleum Hydrocarbons (TPH) occur over most of the site – levels of contaminants along northeast and southeast perimeters should be investigated.
29	07/1998	Final Procter & Redfern Limited Report - Site Inspections and Engineering Evaluations – systematic inventory of water materials – safety issues of fire damaged structures – recommends demolition of remaining structures including waste separation, management, and disposal.
n/a.	09/3/1998	Certificate of Prohibition – prohibiting The Assembly of the Church of the Universe from dealing with the property – Instrument Number 799157.
30.	09/3/1998	City submits to MOE an Interim Site Management Plan.
31.	09/14/1998	The IMICO Site Study –Final Planning Report.
32.	09/28/1998	Status report to Planning, Works and Environment Committee on demo and further investigation.
33.	11/4/1998	MOE letter to City RE: Review and further clarification of Intermediate Site Man. Plan submitted September 3, 1998.
34.	11/25/1998	Proctor & Redfern: Response to MOE letter of November 4/98 to address issues raised.

DOC. NO.	DATE	DESCRIPTION
35.	12/7/1998	City submits to MOE our Progress Report #1 ending October 1998.
36.	12/08/1998	Gartner Lee Limited letter to The City: Additional Investigation Activities – Former IMICO Foundry Site.
37.	12/31/1998	Gartner Lee: Oil Recovery, Vicinity of OW1
38.	01/6/1999	Letter from John Cooke re: our submitted Interim Site Management Plan requesting clarification on PCB clean-up, storm water management.
n/a	01/11/1999	Gartner Lee Limited Study – Site Hydrogeologic Study (to investigate potential of off-site contamination and remedial measures) – Exceedances of Total Petroleum Hydrocarbons (TPH) and Poly Aromatic Hydrocarbons (PAH) at easterly boundary and have potential of migrate through ground water – low concentrations of TPH over most of site with localized exceedances in northeast quadrant – exceedances in metals (zinc & Lead) in ground water in northeast quadrant and southeast and west boundaries – localized exceedance of chlorinated organic compound (Trichlorethane and Trichloroethylene) on the west boundary requires soil gas testing – one well in northeast corner has layer of fuel oil in upper bedrock and should be extracted.
39.	01/11/1999	Status report to Planning, Works and Environment Committee on Demo Contract 98-19 and further geotech work to be completed.
40.	01/13/1999	Joseph Young of Proctor & Redfern Limited letter to the City addressing outstanding issues raised in the MOE's letter dated January 6, 1999.
41.	01/26/1999	City submits letter to MOE responding to request for clarification of information from MOE letter dated January 6, 1999.
42.	03/01/1999	MOE letter to the City acknowledges receipt of the City's Generator Registration report dated February 1, 1999 (ON0349018).
43.	03/8/1999	Report - Supplementary Hydrogeological Investigation by Gartner Lee Ltd. Copied to MOE.
44.	03/22/1999	Status report to Planning, Works and Environment Committee – “staff be authorized to proceed with the next stage of the Site Management Plan” – excavation and disposal off-site of contaminated soil and fill materials from northeast corner (5,400 cubic metres, \$710,000) – install one or more recovery wells into the bedrock in northeast to skim and pump free phase oil below the water table (est. \$55,000) – Three year monitoring program for recovery wells (\$90,000). – contaminants (TPH heavy oils, benzene, arsenic, metals) exceed guidelines in groundwater monitoring wells (maintenance garage, storage fuel tanks, annealing oven, mechanical shop, electrical shop) and must be monitored on quarterly basis (\$90,000/year) – investigate TCE (trichloroethylene) detected in wells on eastern boundary by installing additional wells and monitor (\$17,000).
45.	03/29/1999	City letter to MOE forwarding the Supplemental Hydrogeologic Investigation Report on the IMICO site.
46.	03/31/1999	John Cooke (MOE) letter to the City; with comments concerning the supplemental investigation and request for the City to proceed to implement the proposed remedial measures as quickly as possible.

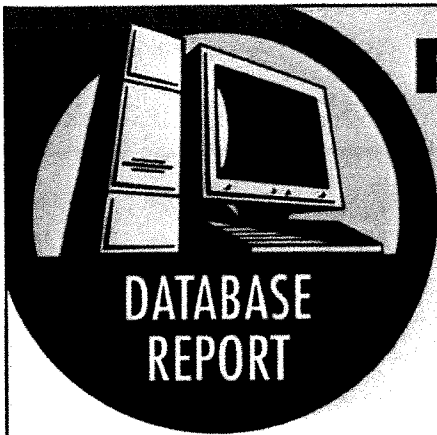
DOC. NO.	DATE	DESCRIPTION
47.	04/14/1999	Gartner Lee Limited letter to the City re: Soil Excavation and Off-Site Disposal –Summary of Proposed Remedial Action Northeast Portion of Former IMICO Foundry Site
48.	04/16/1999	Gartner Lee Limited letter to the City re: Groundwater Monitoring Program – Former IMICO Foundry Site. (Summary)
49.	04/26/1999	City response letter to MOE letter of March 31, 1999. Requesting further info regarding submitted Hydrogeologic Report by Gartner Lee Limited dated March 1999.
50.	05/03/1999	Gartner Lee letter to City: Soil Excavation and Off-Site Disposal – Summary of Proposed Remedial Action.
51.	05/17/1999	Gartner Lee Letter: re: Well Decommissioning of OW1, OW1-II, OW20 and OW21.
52.	05/20/1999	City submits to MOE: 1. Site Remedial Plan 2. Progress Report #2
53.	07/12/1999	Presentation Notes – Option One, Restore Site for Industrial Use 1. remove or manage contaminated soils; 2) Long term site monitoring. Option Two, Restore Site for Residential Use 1. Remove contaminated soils; 2) remove or manage foundry sands; 3) remove concrete floor and foundations; 4) Long term site monitoring.
54.	07/12/1999	Committee Report: “staff be authorized to proceed to a Public Meeting with the staff recommended preferred land use on the former IMICO property being industrial/commercial”.
55.	09/01/1999	Gartner Lee: supplemental Well Installation Program, July 1999.
56.	10/7/1999	Earth-Tech Inc. submits final report of Demolition and Waste Removal Report following completion of Contract 98-19.
57.	10/07/1999	Gartner Lee: Routine Groundwater Monitoring – April and July 1999.
58.	11/4/1999	City submits to MOE, Progress Report #3 including a copy of the report Demolition and Waste Removal Report by Earth Tech Inc.
59.	01/05/2000	Progress Report-Site Remedial Plan, Former IMICO Site, 200 Beverley St.
60.	03/22/2000	Routine Groundwater Monitoring –Former IMICO Site (November/December 1999 Ground Monitoring Event
61.	04/10/2000	Gartner Lee: Review Comments – Site Remedial Plan Progress Report.
n/a	04/17/2000	City submits to MOE, Progress Report #4.
n/a	05/29/2000	Report from Gartner-Lee Ltd.to City RE: Geophysical Survey Report for area where suspected buried tanks and structures were.
62.	07/07/2000	Council Resolution: Staff were directed to report back to Council in two weeks with additional information.
63.	07/18/2000	Gartner Lee: Intrusive (Test Pit) Investigation.
64	07/21/2000	Council Resolution: “That staff be directed to proceed to hold a public meeting on the IMICO site and report back to Council on input received from the public.”

DOC. No.	DATE	DESCRIPTION
65.	07/31/2000	City submits letter to MOE RE: Completion of MOE Director's Order requesting MOE to remove order from the site.
66.	10/19/2000	Gartner Lee: Routine Groundwater Monitoring – May 2000.
67.	12/21/2000	Gartner Lee: Quarterly Groundwater Monitoring Program – September 2000 event
68.	01/19/2001	City submits to MOE, Progress Report #5.
69.	06/15/2001	City submits letter to MOE RE: request response to Progress Reports and letter of July 15, 2000 requesting MOE release Order.
70.	06/25/2001	MOE responds to City request of July 15, 2000 - requests Remedial Plan and indicates premature to release Order.
71.	07/20/2001	Gartner Lee: Semi-Annual Groundwater Monitoring Report – December 2000 and March 2001 events.
72.	07/24/2001	Groundwater Monitoring Report, Gartner Lee
73.	07/27/2001	Oil Recovery Efforts, Gartner Lee
74.	08/2001	Final Site Remedial Plan - IMICO
75.	08/23/2001	City responds to Moe letter dated June 25, 2001, with further clarifications and includes Progress Report #6.
76.	10/29/2001	Letter from MOE acknowledge letter from City of Oct 10, 2001, MOE review in progress.
n/a	12/4/2001	Letter from MOE completing review of Progress Report #6.
77.	12/27/2001	Email from Jamie Connelly from MOE to City responding to Progress report #6.
78.	01/14/2002	City's response to meeting with MOE January 4, 2002 with a summary of items resulting from those discussions.
79.	01/24/2002	Gartner Lee: Groundwater Monitoring Report – September and December, 2001.
80.	03/6/2002	Progress Report #7.
81.	04/08/2002	PWE Report: "That the report of the Commissioner of the Environment & Transportation Group dated April 1, 2002 be received as information.
82.	04/8/2002	Public Meeting held at Italian-Canadian Club, Rick Tolkunow, Mike Crechiolo, Thom Kewen, GBF.
83.	06/3/2002	Council Report summarizing Public Meeting and propose: "a process for assessing an appropriate range of Alternative end land uses... be developed..."
84.	06/06/2002	Council Resolution: That a process for assessing an appropriate range of alternative end land uses, including a mixed use option for the former IMICO be developed by staff, having regard to land use compatibility, transportation and infrastructure criteria.
85.	08.12/2002	Council Report: "That the report of the Commissioner of Environment & Transportation Group entitled Former International Malleable Iron Site (IMICO) dated August 12, 2002 be received."

DOC. No.	DATE	DESCRIPTION
86.	08/23/2002	MOE letter: Review of Response to Comments and Sept/Dec 2001 Monitoring Reports.
87.	10/28/2002	Report to Planning, Environment & Transportation Committee. – endorse the proposed process to define a range of land uses for the IMICO site.
88.	11/13/2003	CH2M HILL Technical Memorandum: Summary of Environmental Conditions and Resultant Development Constraints at 200 Beverley Street, Guelph
89.	02/04/2004	CH2M HILL Memorandum: Guelph Property Use Study Summary of Short List Options Screening and Proposed Evaluation Criteria
90.	8/2004	CH2M HILL Scenario Profile Summary: Scenario Profiles 1-4
91.	8/2004	CH2M HILL Summary of Remedial Options for Redevelopment
92.	10/29/2004	Groundwater Monitoring Report, July and September 2004, Gartner Lee Limited
93.	9/2005	Letter from John Cooke at MOE with regard to possible partial removal of Order
94.	6/5/2006	Council Report of June 5, 2006 regarding outcome of Request for Expressions of Interest and proposed work plan

APPENDIX V

ECOLOG ERIS REPORT



Pinpointing Your Environmental Risks

Environmental Risk Information Service



Project Site: City of Guelph
200 Beverley Street
Guelph, ON

Client: Stephen Prior
Decommissioning Consulting Services Ltd.
121 Granton Drive
Richmond Hill, ON L4B 3N4

ERIS Project No: 20061127027

Report Type: Complete Report - 0.5km Search Radius

Prepared By: Daniela Nigro
dnigro@ecologeris.com

Date: December 01, 2006

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12 Concorde Place, Suite 800 Toronto, Ontario M3C 4J2
Phone: (416) 510-5204 Fax: (416) 510-5133 Toll Free: 1-877-512-5204
www.ecologERIS.com info@ecologeris.com

Appendix: Ontario Database Descriptions

EcoLog Environmental Risk Information Services Ltd can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to EcoLog ERIS at the time of update.

Federal Government Source Databases:

Diagram Identifier:

Environmental Effects Monitoring 1992-2004

EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Environmental Issues Inventory System 1992-2001

EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Federal Convictions 1988-Jan 2002

FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Contaminated Sites on Federal Land June 2000-2005

FCS

The Treasury Board of Canada Secretariat maintains an inventory of all known contaminated sites held by various Federal departments and agencies. This inventory does not include properties owned by Crown corporations, but does contain non-federal sites for which the Government of Canada has accepted some or all financial responsibility. All sites have been classified through a system developed by the Canadian Council of Ministers of the Environment. The database provides information on company name, location, site ID #, property use, classification, current status, contaminant type and plan of action for site remediation.

Fisheries & Oceans Fuel Tanks 1964-Sept 2003

FOFT

Fisheries & Oceans Canada maintains an inventory of all aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Indian & Northern Affairs Fuel Tanks 1950-Aug 2003

IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

National Analysis of Trends in Emergencies System (NATES) 1974-1994

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

National Defence & Canadian Forces Fuel Tanks Up to May 2001

NDFT

The Department of National Defence and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. Please note that due to the September 2001 terrorist attack, new National Security protocols have prohibited any release of updates to this database.

National Defence & Canadian Forces Spills March 1999-Feb 2005

NDSP

The Department of National Defence and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

National Defence & Canadian Forces Waste Disposal Sites 2001, 2003

NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

National Environmental Emergencies System (NEES) 1974-2003

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for all previous Environment Canada spill datasets. NEES is composed of the historic datasets – or Trends – which dates from approximately 1974 to present. **NEES Trends** is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

National PCB Inventory 1988-June 2004

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites.

National Pollutant Release Inventory 1993-2004

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers of 178 specified substances.

Parks Canada Fuel Storage Tanks 1920-Jan 2005

PCFT

Canadian Heritage maintains an inventory of all known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Transport Canada Fuel Storage Tanks 1970- May 2003

TCFT

Within the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Provincial Government Source Databases:

Abandoned Aggregate Inventory Up to Sept 2002

AAGR

The MAAP Program maintains a database of all abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.

Aggregate Inventory Up to May 2005

AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot/concession and city/town location. The databases provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mines Information System 1800- 2005

AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Certificates of Approval 1985-Sept 2002

CA

This database contains the following types of approvals: Certificates of Approval (Air) issued under Section 9 of the Ontario EPA; Certificates of Approval (Industrial Wastewater) issued under Section 53 of the Ontario Water Resources Act ("OWRA"); and Certificates of Approval (Municipal/Provincial Sewage and Waterworks) issued under Sections 52 and 53 of the OWRA.

Coal Gasification Plants 1987, 1988

COAL

This inventory of all known and historical coal gasification plants was collected by the Ministry of Environment. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, landuse, soil condition, site operators/occupants, site description, and potential environmental impacts. This information is effective to 1988, but the program has since been discontinued.

Compliance and Convictions 1989-2003

CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Drill Holes 1886-2005

DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Environmental Registry 1994-July 2003

EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, licence, or certificate of approval to release substances into the air or water; these are notified on the registry.

Ontario Regulation 347 Waste Generators Summary 1986-2005

GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Mineral Occurrences 1846-Oct 2004

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Non-Compliance Reports 1992(water only), 1994-2004

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Ontario Oil and Gas Wells 1800-Oct 2006

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. Information available for all wells in the ERIS database include well owner/operator, location, permit start date, well cap date, licence number, status, depth and the primary target (rock unit) of the well being drilled.

Ontario Inventory of PCB Storage Sites 1987-Oct 2004

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Ministry Orders 1995-1996

ORD

Control Orders/Documents are enforcement actions issued by the Ministry of the Environment to deal with environmental violations. They clarify and allocate individual/joint liability when issuing clean-up orders for contaminated sites.

Occurrence Reporting Information System 1988-2002

ORIS

This database identifies sources, effects/actions and approximate locations of spills and occurrences within Ontario. The locations identified on the locator diagram refer to the facility responsible for the spill. The actual location of the spill can be derived from the descriptions provided in the detailed report.

Pesticide Register 1988-Oct 2006

PES

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

Private Fuel Storage Tanks 1989-1996

PST

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Ontario Regulation 347 Waste Receivers Summary 1986-2005

REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address. This information is a summary of all years from 1986 including the most currently available data.

Record of Site Condition 1997-Sept 2001

RSC

The Record of Site Condition (RSC) provides a summary of the final environmental condition of a site, once an environmental site assessment and/or restoration approach has been undertaken. The database provides information on the site restoration approach used (Background, Generic, Site Specific Risk Assessment), location of contaminated site, whether contamination extends past 1.5m from the surface thereby requiring "stratified restoration", soil type, and the date when RSC was submitted/acknowledged/ responded to by the Ministry of the Environment. A site restoration approach involves the use of soil and groundwater quality criteria, which have been developed to provide protection against adverse effects to human/ecological health and the natural environment. These criteria may be applied to agricultural, residential/parkland, industrial/commercial land uses; as well as potable (source of drinking water) and nonpotable groundwater use.

Wastewater Discharger Registration Database 1990-1998

SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Waste Disposal Sites - MOE CA Inventory 1970-Sept 2002

WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Waste Disposal Sites - MOE 1991 Historical Approval Inventory Up to Oct 1990

WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Water Well Information System 1955-2000

WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. Geographic coordinates are reliable according to the given percentage. Wells that are identified with lot and concession only are available upon request and would be provided as a separate report.

Private Source Databases:

Anderson's Waste Disposal Sites 1930-2004

ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the *Ontario MOE Waste Disposal Site Inventory*, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. *Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.*

Automobile Wrecking & Supplies 2001-June 2005

AUWR

This database provides an inventory of all known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Chemical Register 1992, 1999-June 2005

CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

ERIS Historical Searches 1999-June 2006

EHS

EcoLog ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Canadian Mine Locations 1998-2005

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Oil and Gas Wells Oct 2001-July 2006

OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickles' database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Canadian Pulp and Paper 1999, 2002, 2004, 2005

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Retail Fuel Storage Tanks 1989-June 2005

RST

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of licensed retail fuel outlets. The MCCR no longer collects this information. Current information is now collected from private sources. This database includes an inventory of retail fuel outlet locations that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Scott's Manufacturing Directory 1992-2005

SCT

Scott's Directories is a data bank containing information on over 70,000 manufacturers in Ontario. Even though Scott's listings are voluntary, it is the most comprehensive database of Ontario manufacturers available. Information concerning a company's address, plant size, and main products are included in this database. This database begins with 1992 information and is updated annually.

Anderson's Storage Tanks 1915-1953

TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. *Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.*

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Site Name: City of Guelph
Site Address: 200 Beverley Street Guelph, ON
Report Type: Complete Report, 0.50 km Search Radius

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<i>This outlines the number of records from each database that fall on the site, and within various distances from the site.</i>	
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<i>The records that were found within a specified distance from the project property (the primary search radius) have been plotted on a diagram to provide you with a visual representation of the information available. Sites will be plotted on the diagram if there is sufficient information from the database source to determine accurate geographic coordinates. Each plotted site is marked with an acronym identifying the database in which the record was found (i.e., WDS for Waste Disposal Sites). These are referred to as "Map Keys". A variety of problems are inherent when attempting to associate various government or private source records with locations. EcoLog ERIS has attempted to make the best fit possible between the available data and their positions on the site diagram.</i>	
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<i>This table describes the records that relate directly to the property that is being researched.</i>	
Detail Report	iv
<i>This section represents information, by database, for the records found within the primary search radius. Listed at the end of each database are the sites that could not be plotted on the locator diagram because of insufficient address information. These records will not have map keys. They have been included because they may be found to be relevant during a more detailed investigation.</i>	
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Appendix: Database Descriptions

Report Summary

Order Number: 20061127027
 Site Name: City of Guelph
 Site Address: 200 Beverley Street Guelph, ON
 Report Type: Complete Report, 0.50 km Search Radius

Number of Mappable Records Surrounding the Site

Database	Selected	On-site	Within 0.50	0.50km to 2.00km	Total	
AAGR	Abandoned Aggregate Inventory	Y	0	0	0	0
AGR	Aggregate Inventory	Y	0	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	1	2	3
AUWR	Automobile Wrecking & Supplies	Y	0	2	5	7
CA	Certificates of Approval	Y	0	13	131	144
CHEM	Chemical Register	Y	0	1	4	5
COAL	Coal Gasification Plants	Y	0	0	1	1
CONV	Compliance and Convictions	Y	1	1	0	1
DRL	Drill Hole Database	Y	0	0	0	0
EBR	Environmental Registry	Y	0	4	37	41
EEM	Environmental Effects Monitoring	Y	0	0	0	0
EHS	ERIS Historical Searches	Y	1	11	29	40
EIIS	Environmental Issues Information System	Y	0	0	0	0
FCON	Federal Convictions	Y	0	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	Y	0	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	6	86	301	387
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0	0
MNR	Mineral Occurrences	Y	0	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	Y	0	0	1	1
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0	0
NPCB	National PCB Inventory	Y	0	2	21	23
NPRI	National Pollutant Release Inventory	Y	0	3	35	38
OGW	Oil and Gas Wells	Y	0	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	1	1
OPCB	Inventory of PCB Storage Sites	Y	1	1	6	7
ORD	Orders	Y	0	0	0	0
ORIS	Occurrence Reporting Information System	Y	1	12	115	127
PAP	Canadian Pulp and Paper	Y	0	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0	0
PES	Pesticide Register	Y	0	4	15	19
PST	Private Fuel Storage Tanks	Y	0	2	6	8
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	4	4
RSC	Record of Site Condition	Y	0	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	19	26	45
SCT	Scott's Manufacturing Directory	Y	0	66	109	175

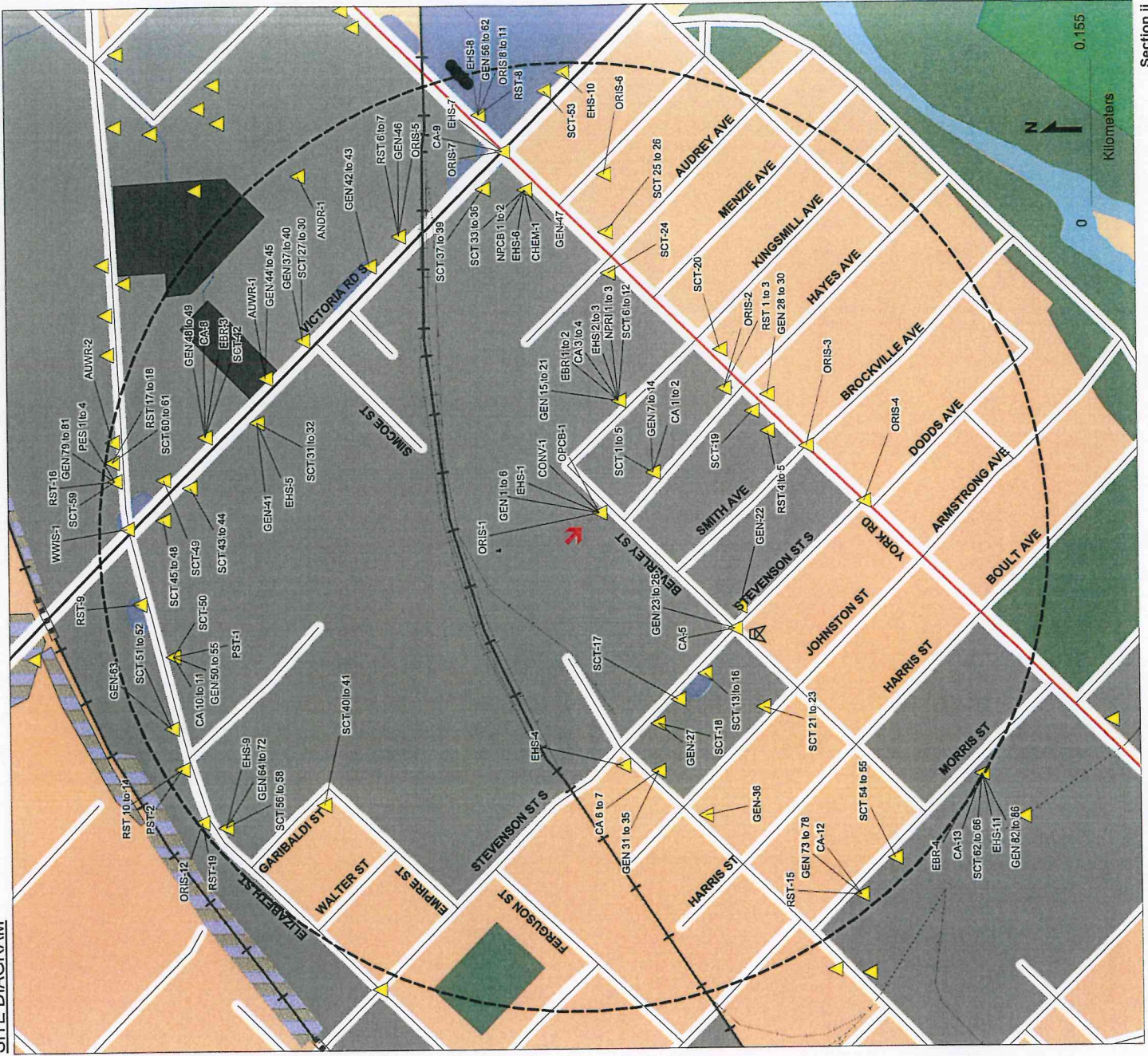
Report Summary

Order Number: 20061127027
Site Name: City of Guelph
Site Address: 200 Beverley Street Guelph, ON
Report Type: Complete Report, 0.50 km Search Radius

Database		Selected	On-site	Within 0.50	0.50km to 2.00km	Total
SRDS	Wastewater Discharger Registration Database	Y	0	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0	0
WDS	Waste Disposal Sites - MOE CA inventory	Y	0	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	1	1
WWIS	Water Well Information System	Y	0	1	38	39
		TOTAL	10	229	889	1,118

The databases chosen by the client as per the submitted order form are denoted in the 'Selected' column in the above table. Counts have been provided outside the primary buffer area for cursory examination only. These records have not been examined or verified, therefore, they are subject to change.

SITE DIAGRAM



Section ii

Note: Search radius extended to 0.5 km.

This diagram is to be used solely for relative street location purposes. It may not accurately portray street or site positions.



Environmental Risk Information Service

12 Concorde Pl, Suite 800 North York, ON M3C 4J2
416-510-5204

Project Property: City of Guelph
200 Beverley Street
Guelph, ON

ERIS Project #: 20061127027

Date: DEC-01-2006

LEGEND

Project Property	Open Area	Landuse Classifications
Database Location	Residential	Recreation
Chimney	Commercial	Golf Course/Driving Range
Silo	Resource and Industrial	Park/Sports Field
Pipe & Transmission Lines	Government and Institutional	Other Recreation Area
Pipeline	Parks and Recreational	Sports/Race Track
Transmission Line	Waterbody	Cemetery
Transmission Tower		Campground
Transformer Station		Vegetation
Rail		Wooded Area
Railway - Main		Orchard
Railway - Sidetrack		Vineyard
Railway - Abandoned		Runway
Bridge		Embankment
Tunnel		Trail
Transportation - Other		Runway
Permanent Waterway		Runway
Intermittent Waterway		Runway
Open Reservoir		Runway
Dyke/Levee		Runway
Dam		Runway
Breakwall		Runway
Wetland		Runway
Conveyer		Runway
Crane: Moveable		Runway
Crane: Stationary		Runway
Tank		Runway
Rock Cut		Runway
Auto Wrecker		Runway
Lumber Yard		Runway
Pit		Runway

Site Report

Order Number: 20061127027
 Site Name: City of Guelph
 Site Address: 200 Beverley Street Guelph, ON
 Report Type: Complete Report, 0.50 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

ERIS Historical Searches

Map Key	Company Name	Address	City	Postal Code
EHS-1		200 Beverley St	Guelph	

Compliance and Convictions

Map Key	Company Name	Address	City	Postal Code
CONV-1	INTERNATIONAL MALLEABLE IRON C			

Inventory of PCB Storage Sites

Map Key	Company Name	Address	City	Postal Code
OPCB-1	INTERNATIONAL MALLEABLE IRON	BEVERLY STREET	GUELPH	

Occurrence Reporting Information System

Map Key	Company Name	Address	City	Postal Code
ORIS-1	INTERNATIONAL MALLEABLE IRON C	200 BEVERLEY STREET GUELPH PLANT	GUELPH CITY	

Ontario Regulation 347 Waste Generators Summary

Map Key	Company Name	Address	City	Postal Code
GEN-1	INTERN'TN'L MALLEABLE IRON CO LTD	200 BEVERLY ST. P.O. BOX 180	GUELPH	N1H 6K1
GEN-2	City of Guelph	200 Beverley Street	GUELPH	N1E 3C4
GEN-3	GUELPH, CITY OF	200 BEVERLEY STREET	GUELPH	N1E 3C4
GEN-4	INTERN'TN'L MALLEABLE IRON CO LTD	200 BEVERLY ST.	GUELPH	N1E 3C4
GEN-5	INTERN'TN'L MALLEABLE IRON CO. LIMITED	200 BEVERLY STREET	GUELPH	N1E 3C4
GEN-6	INTERN'TN'L MALLEABLE IRON CO LTD	21-131 200 BEVERLY ST.	GUELPH	N1E 3C4

Detail Report

Order Number: 20061127027
Site Name: City of Guelph
Site Address: 200 Beverley Street Guelph ON
Report Type: Complete Report, 0.50 km Search Radius

If information is required for sites located beyond the selected address, please contact your ERIIS representative.

Anderson's Waste Disposal Sites
Automobile Wrecking & Supplies
Certificates of Approval
Chemical Register
Compliance and Convictions
Environmental Registry
ERIS Historical Searches
Ontario Regulation 347 Waste Generators Summary
National PCB Inventory
National Pollutant Release Inventory
Inventory of PCB Storage Sites
Occurrence Reporting Information System
Pesticide Register
Private Fuel Storage Tanks
Retail Fuel Storage Tanks
Scott's Manufacturing Directory
Water Well Information System

Anderson's Waste Disposal Sites

Map Key	Name	Facility	Location	City/Town	Known Active Decade	Reference #
ANDR-1	Elizabeth St junkyard 1972 Related Site(s)	Auto junkyard	N side of CPR R-O-W, S side of Elizabeth St	Guelph	1970s	JY WELL 10 1972

Automobile Wrecking & Supplies

Map Key	Company	Address	Facility Description
AUWR-1	B & F SCRAP DEALERS	100 VICTORIA RD S GUELPH N1E 5P6	SCRAP METALS
AUWR-2	GUELPH AUTO BODY & COLLISION	406 ELIZABETH ST GUELPH N1E 2Y1	SCRAP METALS

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	LINREAD CANADA LTD.	24 HAYES AVE. GUELPH CITY N1E 5V5	8-2032-87-	87	2/17/1987	Industrial air	Cancelled	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
			SEE #8-2022-87					
CA-2	LINREAD CANADA LTD.	24 HAYES AVE. GUELPH CITY N1E 5V5	8-2022-87-	87	10/21/1988	Industrial air	Cancelled	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
			SOUND ENCLOSURE FOR OIL COOLING UNIT					
CA-3	ABS FRICTION INC.	10 KINGSMILL AVENUE GUELPH CITY N1E 5V9	8-2110-97-	97	11/12/1997	Industrial air	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
			INFRARED CURING OVEN, MOLD/CURE PRESS Suspended Particulate Matter, Nitrogen Oxides, Ammonia, Phenol Baghouse (Incl Vent Fil.)					
CA-4		10 Kingsmill Avenue Guelph N1E 5V9	7631-4N7QAQ	00	10/4/00	Industrial air	Approved	Amended Coifa
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
			ABS Friction Inc. 10 Kingsmill Avenue Guelph N1E 5V9 This application is for an Air Certificate of Approval for the installation of one more dust collector to service the new in plant process equipment for a manufacturer of friction brake pads for automobiles.					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-5	TALLON METAL TECHNOLOGIES INC. - LOT 1	STEVENSON ST./BEVERLY ST. GUELPH CITY	8-2046-92-	92	7/29/1992	Industrial air	Cancelled	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: OPERATE SOILS TREATMENT DEMO PLANT Contaminants: Emission Control:					
CA-6	FOSECO CANADA INC.	ALICE STREET GUELPH CITY	8-2153-89-	89	8/11/1989	Industrial air	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: TOLUENE STRIPPER FOR GROUNDWATER Contaminants: Toluene(Pentyl Methane)(Methyl Benzene), Benzene (Carcinogen Requires Bact) Emission Control: Other - Air					
CA-7	FOSECO CANADA INC.	ALICE STREET GUELPH CITY	4-0104-89- 006	89	9/26/89	Industrial wastewater	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: CONTAMINATED GROUNDWATER CLEAN UP Contaminants: Emission Control:					
CA-8	HOLODY ELECTRO-PLATING LIMITED	66 VICTORIA ROAD SOUTH GUELPH CITY N1E 5P6	8-2093-99-	99	6/17/1999	Industrial air	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: 3 EXHAUSTS TO VENTILATE PROCESS TANKS Contaminants: Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-9	494677 ONTARIO LTD. (MAURIZIO ROMANIN)	VICTORIA RD./YORK RD. GUELPH CITY	3-1037-91-	91	8/22/1991	Municipal sewage	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
CA-10	LAFARGE CANADA INC.	351 ELIZABETH STREET GUELPH CITY N1E 2X9	8-2072-94-	94	5/10/1994	Industrial air	Approved	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
			BAGHOUSE FOR PLANT PRODUCING MANHOLES Suspended Particulate Matter Baghouse (Incl Vent Fil.)					
CA-11	Mobile	351 Elizabeth Street Guelph N1E 2X9	8-3277-97-	02	2/6/02	Industrial air	Approved	Notice
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
			Polymer Distribution Inc. 351 Elizabeth Street Guelph N1E 2X9 Company address change					
CA-12	ESSO PETROLEUM CANADA	121 MORRIS STREET GUELPH CITY N1E 5M6	4-0088-88-	88	8/16/1991	Industrial wastewater	Approved in 1991	
			Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
			GROUND WATER TREATMENT SYSTEM					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-13	139 Morris Street, Unit 3	139 Morris Street, Unit 3, Plan 322, Lots 21-30 Guelph N1E 5M6	5326-4L4RXM	00	6/9/00	Industrial air	Approved	New Certificate of Approval
			<p>Client Name: ABS On Time Logistics Inc. Client Address: 139 Morris Street, Unit 3 Client City: Guelph Client Postal Code: N1E 5M6</p> <p>Project Description: The purpose of this application is to permit the exhaust from one (1) roof ventilator (EX-1) serving two ink jet printers and a general floor exhaust, currently operating at a volumetric flow rate of 3.44 cubic meters per second and having an equivalent exit diameter of approximately 0.73 meter, extending approximately 0.41 meter above the roof and 6.5 meters above grade.</p> <p>Contaminants: Emission Control:</p>					
n/a	Victoria Road Watermain	Victoria Road South Guelph	8237-4FES2N	00	1/11/00	Municipal & Private water	Approved	New Certificate of Approval
			<p>Client Name: Corporation Of The City Of Guelph Client Address: 59 Carden Street Client City: Guelph Client Postal Code: N1H 3A1</p> <p>Project Description: 400mm dia. watermain extension on Victoria Road South and Arkell Road 300mm dia. watermain extension Summerfield Drive Carter Well (Stub)</p> <p>Contaminants: Emission Control:</p>					
n/a	Victoria Road South	Victoria Road South Guelph	3600-4XXQL9	01	7/3/01	Municipal & Private water	Approved	New Certificate of Approval
			<p>Client Name: Corporation of the City of Guelph Client Address: 59 Carden Street Client City: Guelph Client Postal Code: N1H 3A1</p> <p>Project Description: Extend 400 mm diameter watermain on Victoria Road from 30 metres south of York Road to connect with existing 450 mm watermain on Victoria Road South, 230 metres south of York Road at the entrance to Eramosa River Park.</p> <p>Contaminants: Emission Control:</p>					

Chemical Register

Map Key	Company	Address	Mailing City	Mailing Address	Mailing Address 2
CHEM-1	ROBERTS ON GUARD PRODUCTS LTD	490 YORK RD GUELPH N1E 6V1			

Compliance and Convictions

Map Key	Company	Address	Crown Brief No.	Region	Ministry District	Description
CONV-1	INTERNATIONAL MALLEABLE IRON C		94-0247-0018	WEST CENTRAL REGION	GUELPH	FAILED TO COMPLY WITH A DIRECTORS ORDER TO REMEDIATE PROPERTY DUE TO ILLEGAL ACTIVITIES AND ENVIRONMENTAL CONTAMINATION INVOLVING PCB WASTE
			<u>Date Charged</u>	<u>Fine</u>	<u>Act/Regulation/Section</u>	<u>Charge Disposition</u>
			1/21/97	\$4,000.00	EPA- -186(2)	SUSPENDED SENTENCE
			1/21/97	\$10,000.00	EPA- -186(2)	SUSPENDED SENTENCE
			1/21/97	\$4,000.00	EPA- -186(2)	SUSPENDED SENTENCE
			1/21/97	\$4,000.00	EPA- -186(2)	SUSPENDED SENTENCE
			1/21/97	\$4,000.00	EPA- -186(2)	SUSPENDED SENTENCE
			1/21/97	\$4,000.00	EPA- -186(2)	SUSPENDED SENTENCE

Environmental Registry

Map Key	Company	Address	Reg No.	Type	Status	Reference No.	Ministry
EBR-1	ABS Friction Inc.	City of Guelph	IAYE0800	Instrument	Decision	8211097 19970521	Environment and Energy
			Proponent:	ABS Friction Inc., 10 Kingsmill Avenue, Guelph, Ontario, N1E 5V9			
			Activity Location:	City of Guelph			
			Location Info:	ABS Friction Inc.			
			Abstract:	6/3/97			
			Proposal Loaded:	11/12/97			
			Decision Loaded:	30			
			Comment Period:	Written submissions were permitted between June 03, 1997 and July 03, 1997.			
			Comments:	0			
			Comments Received:	0			
			Received Date:				
			Date Placed:				
			Decision Appeal Date:				
			Decision Placed:				
			Date Exception:				
			Date Claim Issued:				
			Received by Env:				
			Notice Loaded Date:				
			Notice of:	DECISION FOR AN INSTRUMENT;			
			Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)			
			Appeal Application:				
			Date Last Modified:	11/12/97 4:00:00 PM			
EBR-2	ABS Friction Inc	10 Kingsmill Avenue Guelph N1E 5V9	IA00E0905	Instrument	Decision	3528-4KSLJ8	Environment
			Proponent:	ABS Friction Inc. 10 Kingsmill Avenue, Guelph, Ontario, N1E 5V9			
			Activity Location:	10 Kingsmill Avenue, Guelph, Ontario, N1E 5V9			
			Location Info:	ABS Friction Inc. Approval for discharge into the natural environment other than water (i.e. Air)			
			Abstract:				
			Proposal Loaded:	10/10/00			
			Decision Loaded:	30			
			Comment Period:	Written submissions were permitted between May 29, 2000 and June 28, 2000.			
			Comments:	0			
			Comments Received:	0			
			Received Date:				
			Date Placed:				
			Decision Appeal Date:				
			Decision Placed:				
			Date Exception:				
			Date Claim Issued:				
			Received by Env:				
			Notice Loaded Date:	DECISION FOR AN INSTRUMENT; ©			
			Notice of:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)			
			Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)			
			Appeal Application:				
			Date Last Modified:	10/10/00 1:05:43 PM			

Environmental Registry

Map Key	Company	Address	Reg No.	Type	Status	Reference No.	Ministry
EBR-3	Holody Electro-Plating Limited	66 Victoria Road South City of Guelph N1E 5P6	IA9E0588	Instrument	Decision	8209399	Environment
			Proponent:	Holody Electro-Plating Limited P.O. Box 270, 66 Victoria Road South, Guelph, Ontario, N1H 6J9			
			Activity Location:	City of Guelph			
			Location Info:	66 Victoria Road South, part of lot 1, concession 3			
			Abstract:	Holody Electro-Plating Limited Approval for discharge into the natural environment other than water (i.e. Air)			
			Proposal Loaded:	5/6/99			
			Decision Loaded:	7/13/99			
			Comment Period:	30			
			Comments:	Written submissions were permitted between May 06, 1999 and June 05, 1999.			
			Comments Received:	0			
			Received Date:				
			Date Placed:				
			Decision Appeal Date:				
			Decision Placed:				
			Date Exception:				
			Date Claim Issued:				
			Received by Env:				
			Notice Loaded Date:				
			Notice of:	DECISION FOR AN INSTRUMENT;			
			Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)			
			Appeal Application:				
			Date Last Modified:	7/13/99 5:38:30 PM			
EBR-4	ABS On Time Logistics Inc	139 Morris Street Guelph N1E 5M6	IA00E0732	Instrument	Decision	2755-4JQPKU	Environment
			Proponent:	ABS On Time Logistics Inc. 139 Morris Street, Unit 3, Guelph, Ontario, N1E 5M6			
			Activity Location:	139 Morris Street, Unit 3, Plan 322, Lots 21-30, Guelph, Ontario, N1E 5M6 Guelph			
			Location Info:				
			Abstract:	ABS On Time Logistics Inc. Approval for discharge into the natural environment other than water (i.e. Air)			
			Proposal Loaded:	6/19/00			
			Decision Loaded:	30			
			Comment Period:	Written submissions were permitted between April 27, 2000 and May 27, 2000.			
			Comments:	0			
			Comments Received:	0			
			Received Date:				
			Date Placed:				
			Decision Appeal Date:				
			Decision Placed:				
			Date Exception:				
			Date Claim Issued:				
			Received by Env:				
			Notice Loaded Date:				
			Notice of:	DECISION FOR AN INSTRUMENT: ©copy; Queen's Printer for Ontario, 2000			
			Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)			
			Appeal Application:				
			Date Last Modified:	6/19/00 6:22:46 PM			

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		200 Beverley St Guelph	19991202001 Addit. Info Ordered:	12/9/99	Complete Report	0.35
EHS-2		10 Kingsmill Ave Guelph N1E 5V9	20000711001 Addit. Info Ordered:	7/17/00	Complete Report	0.25
EHS-3		10 Kingsmill Avenue Guelph N1E 5V9	20030602006 Addit. Info Ordered:	6/6/03	Complete Report	0.30
EHS-4		212 Alice Street Guelph N1E 3A8	20050422034 Addit. Info Ordered:	5/3/2005		0.25
EHS-5		75 Victoria Rd. S. Guelph N1E 5P7	20030911012 Addit. Info Ordered:	9/19/03	Complete Report	0.25
EHS-6		490 York Road Guelph N1E 6V1	20050119004 Addit. Info Ordered:	1/20/2005		0.25
EHS-7		York Rd & Victoria Rd S Guelph	20030722012 Addit. Info Ordered:	7/31/03	Custom Report	0.25
EHS-8		523 York Rd. Guelph N1E 3J3	20021002005 Addit. Info Ordered:	10/11/02	Complete Report	0.25
EHS-9		309 Elizabeth Street Guelph N1E 2X8	19990322004 Addit. Info Ordered:	3/29/99	Complete Report	0.35
EHS-10		220-240 Victoria Rd. S. Guelph N1E 5R1	20040630007 Addit. Info Ordered:	7/9/04	Custom Report	0.25

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
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EHS-11		139 Morris Street Guelph N1E 5M6	20030602007	6/6/03	Complete Report	0.35
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Addit. Info Ordered:

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	INTERN'TN'L MALLEABLE IRON CO LTD	200 BEVERLY ST. P.O. BOX 180 GUELPH N1H 6K1	2941 Generator #: ON0103000 Approval Yrs: 86,87,88	IRON FOUNDARIES	146	OTHER SPECIFIED INORGANICS
GEN-2	City of Guelph	200 Beverley Street GUELPH N1E 3C4	Generator #: ON3323094 Approval Yrs: 02,03,04,05		146 243	OTHER SPECIFIED INORGANICS PCB'S
GEN-3	GUELPH, CITY OF	200 BEVERLEY STREET GUELPH N1E 3C4	8359 Generator #: ON0349018 Approval Yrs: 98,99,00,01	OTHER GEN. ADMIN.	251	OIL SKIMMINGS & SLUDGES
GEN-4	INTERN'TN'L MALLEABLE IRON CO LTD	200 BEVERLY ST. GUELPH N1E 3C4	2941 Generator #: ON0103000 Approval Yrs: 89	IRON FOUNDARIES	145 146 251	PAINT/PIGMENT/COATING RESIDUES OTHER SPECIFIED INORGANICS OIL SKIMMINGS & SLUDGES
GEN-5	INTERN'TN'L MALLEABLE IRON CO. LIMITED	200 BEVERLY STREET GUELPH N1E 3C4	2941 Generator #: ON0103000 Approval Yrs: 98	IRON FOUNDARIES	145 146 243 251	PAINT/PIGMENT/COATING RESIDUES OTHER SPECIFIED INORGANICS PCB'S OIL SKIMMINGS & SLUDGES
GEN-6	INTERN'TN'L MALLEABLE IRON CO LTD 21-131	200 BEVERLY ST. GUELPH N1E 3C4	2941 Generator #: ON0103000 Approval Yrs: 92,93,94,95,96,97	IRON FOUNDARIES	145 146 243 251	PAINT/PIGMENT/COATING RESIDUES OTHER SPECIFIED INORGANICS PCB'S OIL SKIMMINGS & SLUDGES
GEN-7	LINREAD CANADA LTD	24 HAYES AVE. P.O. BOX 540 GUELPH N1E 5V5	3053 Generator #: ON0114600 Approval Yrs: 86,87,88,89,90,98	INDUSTRIAL FASTENER	253	EMULSIFIED OILS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-8	702920 ONTARIO INC./GATTOVANPOUCKE	24 HAYES AVENUE, UNIT #1 GUELPH N1E 5V5	Generator #: ON1778300 Approval Yrs: 04			
GEN-9	702920 ONTARIO INC./GATTOVANPOUCKE	24 HAYES AVENUE, UNIT #1 GUELPH N1E 5V5	Generator #: ON1778300 Approval Yrs: 02			
GEN-10	702920 ONTARIO INC./GATTOVANPOUCKE	24 HAYES AVENUE, UNIT #1 GUELPH N1E 5V5	7215 HOLDING COMPANIES Generator #: ON1778300 Approval Yrs: 99,00,01,03	148 INORGANIC LABORATORY CHEMICALS 252 WASTE OILS & LUBRICANTS 263 ORGANIC LABORATORY CHEMICALS		
GEN-11	DALTEC INDUSTRIES LTD.	24 HAYES AVENUE GUELPH N1E 5V5	3199 OTHER MACHINERY Generator #: ON1634801 Approval Yrs: 95,96,97,98,99,00,01,02,03,04,05	145 PAINT/PIGMENT/COATING RESIDUES 211 AROMATIC SOLVENTS		
GEN-12	702920 ONTARIO INC./GATTOVANPOUCKE	24 HAYES AVENUE UNIT #1 GUELPH N1E 5V5	7215 HOLDING COMPANIES Generator #: ON1778300 Approval Yrs: 93,94,95,96,97,98	148 INORGANIC LABORATORY CHEMICALS 252 WASTE OILS & LUBRICANTS 263 ORGANIC LABORATORY CHEMICALS		
GEN-13	JET (OUT OF BUS)	24 HAYES AVENUE UNIT #2 GUELPH N1E 5V5	3062 METAL DIES, ETC. IND Generator #: ON1749500 Approval Yrs: 93,94,95,96,97,98	232 POLYMERIC RESINS 253 EMULSIFIED OILS		
GEN-14	LINREAD CANADA LTD 24-021	24 HAYES AVE. P.O. BOX 540 GUELPH N1E 5V5	3053 INDUSTRIAL FASTENER Generator #: ON0114600 Approval Yrs: 92,93,94,95,96,97	253 EMULSIFIED OILS		
GEN-15	GUELPH TOOL & DIE LIMITED	10 KINGSMILL AVE. GUELPH N1E 5V9	3059 OTHER WIRE PROD. Generator #: ON0389204 Approval Yrs: 94,95,96,97,98	213 PETROLEUM DISTILLATES		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-16	ABS FRICTION CORP.	10 Kingsmill Avenue Guelph N1E 5V9	Generator #: Approval Yrs:	ON2390500 02,03,04,05	251 252 145 331	OIL SKIMMINGS & SLUDGES WASTE OILS & LUBRICANTS PAINT/PIGMENT/COATING RESIDUES WASTE COMPRESSED GASES
GEN-17	GUELPH (OUT OF BUSINESS)D	10 KINGSMILL AVENUE GUELPH N1E 5V9	3059	OTHER WIRE PROD. Generator #: Approval Yrs:	213	PETROLEUM DISTILLATES
GEN-18	ABS FRICTION INC.	10 KINGSMILL AVENUE GUELPH N1E 5V9	3255	VEH. WHEEL & BRAKE Generator #: Approval Yrs:	251 252	OIL SKIMMINGS & SLUDGES WASTE OILS & LUBRICANTS
GEN-19	CAMPBELL-COX FABRICATIONS	10 KINGS MILL ROAD C/O 367 WOODLAWN ROAD WEST GUELPH N1E 5V9	3029	OTHER FAB. STRUCTURES Generator #: Approval Yrs:	211 213	AROMATIC SOLVENTS PETROLEUM DISTILLATES
GEN-20	CAMPBELL-COX(OUT OF BUS) 07-111	10 KINGS MILL ROAD C/O 367 WOODLAWN ROAD WEST GUELPH N1E 5V9	3029	OTHER FAB. STRUCTURE Generator #: Approval Yrs:	211 213	AROMATIC SOLVENTS PETROLEUM DISTILLATES
GEN-21	GUELPH TOOL & DIE LIMITED	10 KINGSMILL AVENUE GUELPH N1E 5V9	3059	OTHER WIRE PROD. Generator #: Approval Yrs:	213	PETROLEUM DISTILLATES
GEN-22	Insitu Contractors Inc.	150 Stevenson St S Guelph N1E 5N7	Generator #: Approval Yrs:	ON0389204 99 ON6338475 02,03,04,05	251 252	OIL SKIMMINGS & SLUDGES WASTE OILS & LUBRICANTS
GEN-23	GUELPH HYDRO	BEVERLEY ST. AT STEVENSON ST. SOUTH C/O 104 DAWSON ROAD GUELPH N1H 1A7	4911	ELECT. POWER SYS. Generator #: Approval Yrs:	122 251	ALKALINE WASTES - OTHER METALS OIL SKIMMINGS & SLUDGES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-24	GUELPH HYDRO	BEVERLEY STREET AT STEVENSON STREET SOUTH GUELPH	4911 Generator #: ON0558303 Approval Yrs: 99,00,01,03,04	ELECT. POWER SYS.	122	ALKALINE WASTES - OTHER METALS
GEN-25	GUELPH HYDRO 18-344	BEVERLEY ST. AT STEVENSON ST. SOUTH C/O 104 DAWSON ROAD GUELPH N1H 1A7	4911 Generator #: ON0558303 Approval Yrs: 94,95,96	ELECT. POWER SYS.	122	ALKALINE WASTES - OTHER METALS
GEN-26	GUELPH HYDRO	BEVERLEY ST. AT STEVENSON ST. SOUTH GUELPH N1H 1A7	4911 Generator #: ON0558303 Approval Yrs: 92,93,97,98	ELECT. POWER SYS.	122	ALKALINE WASTES - OTHER METALS
GEN-27	Choice Enterprises + Transportation Services Inc.	143 Stevenson St. South Guelph	Generator #: ON2188243 Approval Yrs: 03,04,05		253	EMULSIFIED OILS
GEN-28	BURNELL PRINTING LIMITED	405 YORK RD. GUELPH N1E 3H3	0007 Generator #: ON0595800 Approval Yrs: 86,87,88,89,90	LETTER ACKNOWLEDG.	212	ALIPHATIC SOLVENTS
GEN-29	BURNELL PRINTING LIMITED 06-144	405 YORK RD. GUELPH N1E 3H3	2819 Generator #: ON0595800 Approval Yrs: 94,95,96	OTHER COMM. PRINTING	145	PAINT/PIGMENT/COATING RESIDUES
GEN-30	BURNELL PRINTING LIMITED	405 YORK ROAD GUELPH N1E 3H3	2819 Generator #: ON0595800 Approval Yrs: 92,93,97,98,99,00,01	OTHER COMM. PRINTING	145	PAINT/PIGMENT/COATING RESIDUES
					212	ALIPHATIC SOLVENTS
					253	EMULSIFIED OILS
					264	PHOTOPROCESSING WASTES
					265	GRAPHIC ART WASTES
					253	EMULSIFIED OILS
					264	PHOTOPROCESSING WASTES
					265	GRAPHIC ART WASTES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-31	FOSECO CANADA INC.	201 ALICE STREET C/O 361 SPEEDVALE AVENUE WEST GUELPH N1E 3A7	3591 Generator #: ON0081801 Approval Yrs: 86,87,88,89,90	REFRACTORIES IND.	146 211	OTHER SPECIFIED INORGANICS AROMATIC SOLVENTS
GEN-32	FOSECO CANADA INC. 15-151	201 ALICE STREET GUELPH N1E 3A7	3591 Generator #: ON0081801 Approval Yrs: 92,93,94,95,96,97	REFRACTORIES IND.	114 122 132 145 146 148 211 212 213 232 233 241 251 263 268	OTHER INORGANIC ACID WASTES ALKALINE WASTES - OTHER METALS NEUTRALIZED WASTES - OTHER METALS PAINT/PIGMENT/COATING RESIDUES OTHER SPECIFIED INORGANICS INORGANIC LABORATORY CHEMICALS AROMATIC SOLVENTS ALIPHATIC SOLVENTS PETROLEUM DISTILLATES POLYMERIC RESINS OTHER POLYMERIC WASTES HALOGENATED SOLVENTS OIL SKIMMINGS & SLUDGES ORGANIC LABORATORY CHEMICALS AMINES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-33	FOSECO CANADA INC.(OUT OF BUSINESS)	201 ALICE STREET GUELPH N1E 3A7	3591	REFRACTORIES IND. Generator #: ON0081801 Approval Yrs: 98	114	OTHER INORGANIC ACID WASTES
					122	ALKALINE WASTES - OTHER METALS
					132	NEUTRALIZED WASTES - OTHER METALS
					145	PAINT/PIGMENT/COATING RESIDUES
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					211	AROMATIC SOLVENTS
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					232	POLYMERIC RESINS
					233	OTHER POLYMERIC WASTES
					241	HALOGENATED SOLVENTS
					251	OIL SKIMMINGS & SLUDGES
					263	ORGANIC LABORATORY CHEMICALS
					268	AMINES
GEN-34	BP CANADA	201 ALICE STREET GUELPH N1E 3A7	336390	Other Motor Vehicle Parts Manufacturing Generator #: ON3960034 Approval Yrs: 04,05	211	AROMATIC SOLVENTS
GEN-35	Bryco Construction Management	201 Alice St Guelph N1E 3A7				
GEN-36	KTS AUTO BODY	199 ALICE STREET GUELPH N1E 3A5	3259	OTHER VEHICLE ACCES. Generator #: ON2221200 Approval Yrs: 97,98,99,00,01	145	PAINT/PIGMENT/COATING RESIDUES
GEN-37	ABCO BOX & CARTON LTD.	136 VICTORIA ROAD SOUTH GUELPH N1E 5P6	2731	FODLING CARTON IND. Generator #: ON0504500 Approval Yrs: 86,87,88,89	145	PAINT/PIGMENT/COATING RESIDUES
					252	WASTE OILS & LUBRICANTS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-38	ELLIS PACKAGING WEST INC.	136 VICTORIA RD. SOUTH GUELPH N1E 5P6	322211 Generator #: ON0504500 Approval Yrs: 04,05	Corrugated and Solid Fibre Box Manufacturing	145 212 213 221 252	PAINT/PIGMENT/COATING RESIDUES ALIPHATIC SOLVENTS PETROLEUM DISTILLATES LIGHT FUELS WASTE OILS & LUBRICANTS
GEN-39	ABCO BOX AND CARTON LTD.	136 VICTORIA ROAD SOUTH GUELPH N1H 6M6	2731 Generator #: ON0504500 Approval Yrs: 92,93,94,95,96,97,98,99,0 0,01	FODLING CARTON IND.	145 212 213 221 252	PAINT/PIGMENT/COATING RESIDUES ALIPHATIC SOLVENTS PETROLEUM DISTILLATES LIGHT FUELS WASTE OILS & LUBRICANTS
GEN-40	ABCO BOX AND CARTON LTD.	136 VICTORIA RD. SOUTH GUELPH N1E 5P6	 Generator #: ON0504500 Approval Yrs: 02,03		145 212 213 221 252	PAINT/PIGMENT/COATING RESIDUES ALIPHATIC SOLVENTS PETROLEUM DISTILLATES LIGHT FUELS WASTE OILS & LUBRICANTS
GEN-41	South Wellington Investment Ltd.	75 Victoria Road Guelph N1E 5P7	531310 Generator #: ON8362748 Approval Yrs: 04	Real Estate Property Managers		
GEN-42	HENDERSONS DISPOSAL SYSTEMS LTD.	150 VICTORIA ROAD SOUTH GUELPH N1E 5P6	4599 Generator #: ON2610400 Approval Yrs: 00,01	OTHER TRANS. SERV.	252	WASTE OILS & LUBRICANTS
GEN-43	HENDERSONS DISPOSAL SYSTEMS LTD.	150 Victoria Rd. South Guelph N1E 5P6	 Generator #: ON2610400 Approval Yrs: 02,03,04		252	WASTE OILS & LUBRICANTS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-44	FRANK ZDOLSKI SCRAP DEALER LTD.	100 VICTORIA RD. S. GUELPH N1E 5P6	0000	*** NOT DEFINED *** Generator #: ON0667700 Approval Yrs: 86,87,88,89,90		
GEN-45	FRANK ZDOLSKI SCRAP DEALER LTD. 15-204	100 VICTORIA RD. S. GUELPH N1E 5P6	0000	*** NOT DEFINED *** Generator #: ON0667700 Approval Yrs: 92,93,94		
GEN-46	SHELL CANADA PRODUCTS	154 VICTORIA ROAD SOUTH GUELPH N1E 5P6	221		221	LIGHT FUELS
GEN-47	City of Guelph	490 York Road Guelph N1E 6V1	913910	Other Local Municipal and Regional Public Administration Generator #: ON3473535 Approval Yrs: 03,04,05	146	OTHER SPECIFIED INORGANICS
GEN-48	HOLODY ELECTRO-PLATING LTD.	66 VICTORIA STREET SOUTH GUELPH N1H 6J9	3041	COATING OF METAL PR. Generator #: ON1771800 Approval Yrs: 93,94,95,96,97,98,99,00	131	NEUTRALIZED WASTES - HEAVY METALS
GEN-49	HOLODY ELECTRO-PLATING LIMITED	66 VICTORIA STREET SOUTH GUELPH N1H 6J9	3041	COATING OF METAL PR. Generator #: ON1771800 Approval Yrs: 01,02,03,04,05	112 131	ACID WASTE - HEAVY METALS NEUTRALIZED WASTES - HEAVY METALS
GEN-50	LAFARGE CONSTRUCTION MATERIALS	351 ELIZABETH STREET GUELPH N1E 2X9	3541	CONCRETE PIPE IND. Generator #: ON0430019 Approval Yrs: 95,96,97,98,99,00,01	212 213 252	ALIPHATIC SOLVENTS PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS
GEN-51	OAKS PRECAST INDUSTRIES	351 ELIZABETH STREET GUELPH N1E 2X9	3541	CONCRETE PIPE IND. Generator #: ON0519000 Approval Yrs: 86,87	252	WASTE OILS & LUBRICANTS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-52	Polymer Distribution Inc.	351 Elizabeth St. Guelph N1E 2X9	484121 Generator #: ON6672149 Approval Yrs: 03,04,05	General Trucking, Long Distance, Truck-Load	112 212 213 233 252	ACID WASTE - HEAVY METALS ALIPHATIC SOLVENTS PETROLEUM DISTILLATES OTHER POLYMERIC WASTES WASTE OILS & LUBRICANTS
GEN-53	OAKS PRECAST INDUSTRIES	351 ELIZABETH STREET GUELPH N1E 2X9	3541 Generator #: ON0519000 Approval Yrs: 88,89	CONCRETE PIPE IND.	213 252	PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS
GEN-54	OAKS PRECAST INDUSTRIES 29-123	351 ELIZABETH STREET GUELPH N1E 2X9	3541 Generator #: ON0519000 Approval Yrs: 94	CONCRETE PIPE IND.	212 213 252	ALIPHATIC SOLVENTS PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS
GEN-55	OAKS (SEE & USE ON0430019) 29-123	351 ELIZABETH STREET GUELPH N1E 2X9	3541 Generator #: ON0519000 Approval Yrs: 92,93,95,96,97,98	CONCRETE PIPE IND.	212 213 252	ALIPHATIC SOLVENTS PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS
GEN-56	TEXACO CANADA INC.	523 YORK RD. GUELPH N1E 3J3	3611 Generator #: ON0005294 Approval Yrs: 88,89,90	REFINED PETRO. PROD.	221	LIGHT FUELS
GEN-57	IMPERIAL OIL	523 YORK ROAD GUELPH N2E 3J3	 Generator #: ON1315738 Approval Yrs: 02,03,04,05		146 221 251	OTHER SPECIFIED INORGANICS LIGHT FUELS OIL SKIMMINGS & SLUDGES
GEN-58	IMPERIAL OIL LIMITED	523 YORK ROAD GUELPH N2E 3J3	5111 Generator #: ON1315738 Approval Yrs: 98,99,00,01	PETROLEUM PROD., WH.	146 221 251	OTHER SPECIFIED INORGANICS LIGHT FUELS OIL SKIMMINGS & SLUDGES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-59	ESSO PETROLEUM CANADA 49-001	523 YORK ROAD, GUELPH C/O 1210 SHEPPARD AVENUE EAST NORTH YORK N1E 3J3	5111 Generator #: ON1315738 Approval Yrs: 94,95,96	PETROLEUM PROD., WH.	146 221 251	OTHER SPECIFIED INORGANICS LIGHT FUELS OIL SKIMMINGS & SLUDGES
GEN-60	ESSO PETROLEUM CANADA	523 YORK ROAD GUELPH N2E 3J3	5111 Generator #: ON1315738 Approval Yrs: 92,93,97	PETROLEUM PROD., WH.	146 221 251	OTHER SPECIFIED INORGANICS LIGHT FUELS OIL SKIMMINGS & SLUDGES
GEN-61	TEXACO CANADA INC. 37-389	523 YORK RD. GUELPH N1E 3J3	3611 Generator #: ON0005294 Approval Yrs: 92,93,94,95,96,97	REFINED PETRO. PROD.	221	LIGHT FUELS
GEN-62	TEXACO CANADA INC	523 YORK ROAD GUELPH N2E 3J3	3611 Generator #: ON0005294 Approval Yrs: 98	REFINED PETRO. PROD.	221	LIGHT FUELS
GEN-63	SIGN ART CENTRE OF GUELPH INC., THE	354 ELIZABETH STREET GUELPH N1E 2X7	3971 Generator #: ON2483900 Approval Yrs: 99,00,01	SIGN & DISPLAY IND.	213	PETROLEUM DISTILLATES
GEN-64	TRINITY GRAPHICS	DIVISION OF CAMERON INDUSTRIES INC. 309 ELIZABETH STREET GUELPH N1E 2X8	2821 Generator #: ON0584000 Approval Yrs: 86,87,88,89,90	PLATE MAKING, ETC.	264	PHOTOPROCESSING WASTES
GEN-65	INDEPENDENT PAPER CONVERTERS/	309 ELIZABETH STREET GUELPH N1E 2X8	2821 Generator #: ON0584000 Approval Yrs: 99,00,01	PLATE MAKING, ETC.	211 212 213 252 264	AROMATIC SOLVENTS ALIPHATIC SOLVENTS PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS PHOTOPROCESSING WASTES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-66	INDEPENDENT PAPER CONVERTERS	DIV. OF CAMERON INDUSTRIES INC. 309 ELIZABETH ST. GUELPH N1E 2X8	2799	OTHER CONVERTED PAP. Generator #: ON0695500 Approval Yrs: 86,87,88,89,90	213	PETROLEUM DISTILLATES
GEN-67	INDEPENDENT PAPER CONVERTERS 21-224	DIV. OF CAMERON INDUSTRIES INC. 309 ELIZABETH ST. GUELPH N1E 2X8	2799	OTHER CONVERTED PAP. Generator #: ON0695500 Approval Yrs: 94,95	213 252	PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS
GEN-68	INDEPEN(SEE & USE ON0584000) 21-224	DIV. OF CAMERON INDUSTRIES INC. 309 ELIZABETH ST. GUELPH N1E 2X8	2799	OTHER CONVERTED PAP. Generator #: ON0695500 Approval Yrs: 92,93,96,97,98	213 252	PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS
GEN-69	Cameron Industries Inc.	309 ELIZABETH STREET GUELPH N1E 2X8			212 213 252 264	ALIPHATIC SOLVENTS PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS PHOTOPROCESSING WASTES
GEN-70	TRINITY GRAPHICS 38-182	DIVISION OF CAMERON INDUSTRIES 309 ELIZABETH STREET GUELPH N1E 2X8	2821	PLATEMAKING, ETC. Generator #: ON0584000 Approval Yrs: 95,96	212 213 252 264	ALIPHATIC SOLVENTS PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS PHOTOPROCESSING WASTES
GEN-71	TRINITY GRAPHICS 38-182	DIVISION OF CAMERON INDUSTRIES INC. 309 ELIZABETH STREET GUELPH N1E 2X8	2821	PLATEMAKING, ETC. Generator #: ON0584000 Approval Yrs: 94	264	PHOTOPROCESSING WASTES
GEN-72	TRINITY GRAPHICS DIV. OF CAMERON IND.	309 ELIZABETH STREET GUELPH N1E 2X8	2821	PLATEMAKING, ETC. Generator #: ON0584000 Approval Yrs: 92,93,97,98	212 213 252 264	ALIPHATIC SOLVENTS PETROLEUM DISTILLATES WASTE OILS & LUBRICANTS PHOTOPROCESSING WASTES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-73	ESSO PETROLEUM CANADA	GREG KELLY 121 MORRIS STREET GUELPH N1E 5M6	5111 Generator #: ON0552328 Approval Yrs: 86,87	PETROLEUM PROD., WH.	221	LIGHT FUELS
GEN-74	GREG KELLY FUELS LTD. 18-183	121 MORRIS ST. GUELPH N1E 5M6	4999 Generator #: ON0807800 Approval Yrs: 92,93,94,95,96,97,98	OTHER UTILITY IND.		
GEN-75	GREG KELLY FUELS LTD.	121 MORRIS ST. GUELPH N1E 5M6	4999 Generator #: ON0807800 Approval Yrs: 86,87,88,89,90	OTHER UTILITY IND.		
GEN-76	ESSO PETROLEUM CANADA	121 MORRIS STREET GUELPH N1E 5M6	5111 Generator #: ON0552328 Approval Yrs: 88	PETROLEUM PROD., WH.	221	LIGHT FUELS
GEN-77	ESSO PETROLEUM CANADA	121 MORRIS ST., GUELPH C/O 1 DUNCAN MILL ROAD DON MILLS N1E 5M6	5111 Generator #: ON0552328 Approval Yrs: 89	PETROLEUM PROD., WH.	252 146 221 251	WASTE OILS & LUBRICANTS OTHER SPECIFIED INORGANICS LIGHT FUELS OIL SKIMMINGS & SLUDGES
GEN-78	ESSO PETROLEUM CANADA 14-486	121 MORRIS ST., GUELPH C/O 1 DUNCAN MILL ROAD DON MILLS N1E 5M6	5111 Generator #: ON0552328 Approval Yrs: 92,93,94,95,96,97,98	PETROLEUM PROD., WH.	146 221 251 252	OTHER SPECIFIED INORGANICS LIGHT FUELS OIL SKIMMINGS & SLUDGES WASTE OILS & LUBRICANTS
GEN-79	J.G. GOETZ CONSTRUCTION LIMITED	400 ELIZABETH STREET P.O. BOX 631 GUELPH N1E 2Y1	4121 Generator #: ON0535000 Approval Yrs: 86,87,88,89	HIGHWAYS, STR., ETC.	252	WASTE OILS & LUBRICANTS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-80	J.G. GOETZ CONSTRUCTION LIMITED	400 ELIZABETH STREET GUELPH N1H 6L3	4121	HIGHWAYS, STR., ETC.	148	INORGANIC LABORATORY CHEMICALS
			Generator #:	ON0535000	211	AROMATIC SOLVENTS
			Approval Yrs:	99,00,01,02,03,04,05	263	ORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					252	WASTE OILS & LUBRICANTS
GEN-81	J.G. GOETZ CONSTRUCTION LIMITED 22-096	400 ELIZABETH STREET GUELPH N1H 6L3	4121	HIGHWAYS, STR., ETC.	212	ALIPHATIC SOLVENTS
			Generator #:	ON0535000	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	92,93,94,95,96,97,98		
GEN-82	BILTMORE CANADA INC.	139 MORRIS STREET C/O P.O. BOX 690 GUELPH N1E 5M6	1992	CONTRACT TEX. DYEING	122	ALKALINE WASTES - OTHER METALS
			Generator #:	ON1060200	145	PAINT/PIGMENT/COATING RESIDUES
			Approval Yrs:	88,89,90	148	INORGANIC LABORATORY CHEMICALS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
				252	WASTE OILS & LUBRICANTS	
GEN-83	BILTMORE CANADA INC. 04-255	139 MORRIS STREET C/O P.O. BOX 690 GUELPH N1E 5M6	1992	CONTRACT TEX. DYEING	122	ALKALINE WASTES - OTHER METALS
			Generator #:	ON1060200	145	PAINT/PIGMENT/COATING RESIDUES
			Approval Yrs:	94,95,96	148	INORGANIC LABORATORY CHEMICALS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
				252	WASTE OILS & LUBRICANTS	

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-84	BILTMORE CANADA INCORPORATED	139 MORRIS STREET GUELPH N1H 6L7	1992	CONTRACT TEX. DYEING Generator #: ON1060200 Approval Yrs: 99,00,01	122	ALKALINE WASTES - OTHER METALS
					145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
252	WASTE OILS & LUBRICANTS					
GEN-85	ABS ONTIME LOGISTICS INC.	139 MORRIS STREET GUELPH N1H 6L7	3255	VEH. WHEEL & BRAKE Generator #: ON2479600 Approval Yrs: 99,00,01,02,03,04,05	331	WASTE COMPRESSED GASES
					212	ALIPHATIC SOLVENTS
					251	OIL SKIMMINGS & SLUDGES
					252	WASTE OILS & LUBRICANTS
GEN-86	BILTMORE CANADA INC.	139 MORRIS STREET GUELPH N1H 6L7	1992	CONTRACT TEX. DYEING Generator #: ON1060200 Approval Yrs: 92,93,97,98	122	ALKALINE WASTES - OTHER METALS
					145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
252	WASTE OILS & LUBRICANTS					

National PCB Inventory

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-1	HAMRIL INVESTMENTS	490 YORK ROAD GUELPH N1E 6V1	O1020	10/7/1993	13/03/91	Other	
			<u>State</u>	<u>Status</u>	<u>Item</u>	<u>Pcb Type/Code</u>	<u>Location</u>
				In-Use		Askarel	
NPCB-2	Sherwood Forest Investments (Guelph) Inc. (Was Hamil)	490 YORK ROAD Guelph N1E 6V1	O1020	13/03/1991	15/1/2002	Other	In- Use
			<u>State</u>	<u>Status</u>	<u>Item</u>	<u>Pcb Type/Code</u>	<u>Location</u>
			Full	In-Use	Transformer	Unknown/Askarel	Corner Bldg G & E
			Full	In-Use	Transformer	Unknown/Unknown	Bldg B Elev. Shaft
			Full	In-Use	Transformer	Unknown/Unknown	Bldg C Roof
			Full	In-Use	Transformer	Unknown/Unknown	Bldg E Roof
			Full	In-Use	Transformer	Unknown/Unknown	Bldg H Wall
			Full	In-Use	Transformer	Unknown/Unknown	Bldg J on Wall

National Pollutant Release Inventory

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude	Substances Released
NPRI-1	ABS Friction Corp.	10 Kingsmill Avenue Guelph N1E 5V9	7671	2002			
			<u>Air</u>	<u>Water</u>	<u>Land</u>	<u>Units</u>	<u>Substances Released</u>
			0.023	0	0	tonnes	Copper (and its compounds)
			3.369	0	0	tonnes	PM10 - Particulate Matter <= 10 Microns
			1.688	0	0	tonnes	PM2.5 - Particulate Matter <= 2.5 Microns
NPRI-2	ABS FRICTION	10 Kingsmill Avenue Guelph N1E 5V9	7671	2004	-80.228	43.5513	
			<u>Air</u>	<u>Water</u>	<u>Land</u>	<u>Units</u>	<u>Substances Released</u>
			2.18			tonnes	PM10 - Particulate Matter <= 10 Microns
			1.10			tonnes	PM2.5 - Particulate Matter <= 2.5 Microns
NPRI-3	ABS Friction Corp.	10 Kingsmill Avenue Guelph N1E 5V9	7671	2003			
			<u>Air</u>	<u>Water</u>	<u>Land</u>	<u>Units</u>	<u>Substances Released</u>
			4.73	0.00	0.00	tonnes	PM10 - Particulate Matter <= 10 Microns
			2.37	0.00	0.00	tonnes	PM2.5 - Particulate Matter <= 2.5 Microns

Inventory of PCB Storage Sites

Map Key	Company	Address	Year	Site Number	Quantity	Description
OPCB-1	INTERNATIONAL MALLEABLE IRON	BEVERLY STREET GUELPH	1992	20289A044		

Occurrence Reporting Information System

Map Key	Company	Address	Spill ID	Medium	Environmental Impact	Date of Occurrence	Nature of Impact
ORIS-1	INTERNATIONAL MALLEABLE IRON C	200 BEVERLEY STREET GUELPH PLANT 200 BEVERLY STREET GUELPH CITY	70643 Synopsis: Cause:	AIR	POSSIBLE IMICO-LARGE FIRE ON SITE;SMOKE TO ATM;REQUEST MOE;LEVEL II VAN ALSO ON SITE FIRE/EXPLOSION	5/15/1992	Human Health or Safety
ORIS-2	CANGO PETROLEUMS LTD.	408 YORK RD SERVICE STATION GUELPH CITY N1E 3H5	19540 Synopsis: Cause:	LAND	 CANGO SERV. STN. -UNKNOWNQTY. GASOLINE TO GROUND DUE TO TANK OVERFLOW. CONTAINER OVERFLOW UNKNOWN	6/1/1989	
ORIS-3	BILLMORE HATS	STORM SEWER OUTFALL AT END OF BROCKVILLE AVE @ YORK RD 139 MORRIS ST, GUELPH GUELPH CITY	218190 Synopsis: Cause:	Water	Possible BILLMORE HATS;BLUE MATERIAL COMING FROM STORM SE-WER TO DITCH. CLEANING. OTHER CAUSE (N.O.S.) ERROR	2001/12/13	Water course or lake
ORIS-4	CRAWFORD TRANSPORT	STEPHENSON AND YORK ROAD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY	113460 Synopsis: Cause:	LAND	POSSIBLE CRAWFORD TRANSPORT-30 L SOAP BASE TO ROADWAY,FD,PD,WORKS,HUNTSMAN. UNKNOWN ERROR	5/21/1995	Water course or lake
ORIS-5	SHELL CANADA PRODUCTS LTD.	154 VICTORIA RD. SOUTH TANK TRUCK (CARGO) GUELPH CITY N1E 5P6	10180 Synopsis: Cause:	LAND	 SHELL - 150 LITRES GASOLINE TO GRAVEL. CONTAINER OVERFLOW ERROR	9/9/1988	
ORIS-6	HUNTSMAN CORP	19 LAWRENCE AVE AND VICTORIA ROAD & ERAMOS RIVER AREA GUELPH PLANT 256 VICTORIA RD. GUELPH CITY N1E 5Y4	144461 Synopsis: Cause:	AIR	POSSIBLE HUNTSMAN CORP: CHEMICAL ODOUR IRRITATES RESIDENT OTHER CONTAINER LEAK NEGLECTANCE (APPARENT)	7/31/1997	Air Pollution
ORIS-7	HUNTSMAN CORP	TIM HORTONS @ VICTORIA & YORK GUELPH PLANT 256 VICTORIA RD. GUELPH CITY	147476 Synopsis: Cause:	LAND	NOT ANTICIPATED HUNTSMAN CORP. - 3-5 L DEFOAMER, NON-TOXIC TO PARKING LOT, CLEANED. OTHER CONTAINER LEAK UNKNOWN	10/6/1997	Soil contamination

Occurrence Reporting Information System

Map Key	Company	Address	Spill ID	Medium	Environmental Impact	Date of Occurrence	Nature of Impact
ORIS-8	ESSO PETROLEUM CANADA	523 YORK ROAD GUELPH BULK STATION 523 YORK ROAD GUELPH CITY N1E 3J3	96392 Synopsis: Cause:	LAND	CONFIRMED ESSO PETROLEUM: 150-200L DIESEL FUEL OVERFLOWED TO GROUND DURING FILLING. CONTAINER OVERFLOW ERROR	2/16/1994	Soil contamination
ORIS-9	SHERWOOD FUELS	SHERWOOD FUELS BULK STATION 523 YORK ROAD, GUELPH BULK STATION GUELPH CITY N1E 3J3	1608 Synopsis: Cause:	LAND	3/25/1988 SHERWOOD FUELS - 207L MARKED FURNACE OIL TO DYKED AREA. CONTAINER OVERFLOW ERROR		
ORIS-10	ESSO PETROLEUM CANADA	ESSO BULK STATION AT 523 YORK GUELPH BULK STATION GUELPH CITY N1E 3J3	65178 Synopsis: Cause:	LAND	12/11/1991 ESSO - 2 L OF DIESEL FUEL TO GRAVEL WHILE MAKING DELIVERY TO BULK STATION.		
ORIS-11	SHERWOOD FUELS	BULK STATION GUELPH CITY	1308 Synopsis: Cause:	LAND	6/14/1988 NOT ANTICIPATED SHERWOOD FUELS - FUEL SPILL TO DYKED AREA. CONTAINER OVERFLOW ERROR		
ORIS-12	SERVICE STATION	304 ELIZABETH ST. (N.O.S.) GUELPH CITY N1E 2X7	81021 Synopsis: Cause:	WATER	1/19/1993 POSSIBLE SERVICE STATION: WATER WITH SILT & PETROLEUM TRACES PUMPED TO SEWER OTHER CAUSE (N.O.S.) ERROR		Water course or lake

Pesticide Register

Map Key	Company	Address	License No.	License Type
PES-1	PESTALTO ENVIRONMENTAL PRODUCTS INC	400 ELIZABETH STREET., UNIT 1 GUELPH N1E 2Y1		Operator
PES-2	THE FLYGUYS INC	400 ELIZABETH ST; UNIT 1 GUELPH N1E 2Y1		Operator
PES-3	THE FLYGUYS INC (26173 - 01/2010)	400 ELIZABETH ST, UNIT 1, P O BOX 1809 GUELPH N1E 2Y1		General Vendor
PES-4	PESTALTO ENVIRONMENTAL PRODUCTS INC (26177-01/2010)	1-400 ELIZABETH ST GUELPH N1E 2Y1		General Vendor

Private Fuel Storage Tanks

Map Key	Company	Address	Location ID	Expiry Date	Capacity (L)	Facility Description	Licence #
PST-1	OAKS PRECAST IND DIV STANDARD IND	351 ELIZABETH ST GUELPH N1E 2X9	5599		36368.00	PRIVATE FUEL OUTLET	0001010552
PST-2	GINOS AUTOMATIC TRANSMISSION CENTRE LTD	352 ELIZABETH ST GUELPH N1E 2X7	5600	1993-12-31	0.00	PROP CARBURATION CONV CTR	0037861001

Retail Fuel Storage Tanks

Map Key	Company	Address	Location ID	Expiry Date	Capacity (L)	Licence #	Facility Description
RST-1	1028119 ONTARIO LIMITED	408 YORK RD GUELPH N1E 3H5	5683	1995-01-31	2640	0076410422	GASOLINE STATION - FS
RST-2	SAMS AUTO SERVICE LTD	408 YORK RD GUELPH N1E 3H5	5683	1995-06-30	54552	0076421957	SERVICE STATIONS GASOLINE, OIL & NATURAL GAS
RST-3	HILTON GROUP GAS	408 YORK RD GUELPH N1E 3H5					
RST-4	MAPLE LEAF GAS & FUELS LTD AND QUALITY AUTO GLASS	390 YORK RD GUELPH N1E3H4	5684	1995-07-31	100000	0054464001	GASOLINE STATION - FS
RST-5	MAPLE LEAF GAS & FUELS LTD	390 YORK RD GUELPH N1E3H4					SERVICE STATIONS GASOLINE, OIL & NATURAL GAS
RST-6	SHELL CANADA PRODUCTS LTD ATTN JIM ARCH	154 VICTORIA RD GUELPH	5653	1994-12-31	411419	0030035009	BULK PLANT
RST-7	GRANGER FUELS LTD	154 VICTORIA S GUELPH					OILS-FUEL
RST-8	IMPERIAL OIL LIMITED LINDA BOWES	523 YORK RD & VICTORIA ST GUELPH N1E 3J3	5690	1995-04-30	345496	0023573145	BULK PLANT
RST-9	ANDY'S AUTO CENTRE	362 ELIZABETH ST GUELPH N1E2X7					SERVICE STATIONS GASOLINE, OIL & NATURAL GAS
RST-10	PHOENIX GAS BAR	352 ELIZABETH ST GUELPH N1E 2X7	5600	1994-02-28	11000	0076362860	GASOLINE STATION - FS
RST-11	S & S GAS BAR	352 ELIZABETH ST GUELPH N1E2X7					SERVICE STATIONS GASOLINE, OIL & NATURAL GAS
RST-12		352 ELIZABETH ST. GUELPH	18313				GASOLINE STATION - FULL SER

Retail Fuel Storage Tanks

Map Key	Company	Address	Location ID	Expiry Date	Capacity (L)	Licence #	Facility Description
RST-13	S & S GAS BAR	352 ELIZABETH ST GUELPH N1E 2X7	5600	1995-06-30	2000	0076389907	
RST-14	NOR PAC GAS BAR DIV OF NOR PAC PETROLEUM	352 ELIZABETH ST GUELPH N1E 2X7	5600	1992-08-31	2000	0060324001	
RST-15	IMPERIAL OIL LIMITED LINDA BOWES	121 MORRIS ST GUELPH N1E5M6	29090	1995-10-31	0	0076432376	BULK PLANT
RST-16	J G GOETZ CONSTRUCTION LTD	400 ELIZABETH ST GUELPH N1E 2Y1	5601	1992-07-31	0	0049787001	GASOLINE STATION - FS
RST-17	CANADIAN OXYGEN LTD	404 ELIZABETH ST GUELPH N1E 2Y1	5602	1994-10-31	0	0012179001	PROP CYL HANDLING FACILITY
RST-18	BOEHMERS	404 ELIZABETH ST GUELPH N1E 2Y1					OILS-WASTE
RST-19	FRANK'S GAS BAR	304 ELIZABETH ST GUELPH N1E 2X7	5598	1995-08-31	17972	0054543001	GASOLINE STATION - FS

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Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-1	DALTEC INDUSTRIES LTD	24 HAYES AVE GUELPH N1E 5V5	1984	20000	18	3564	INDUSTRIAL AND COMMERCIAL FANS AND BLOWERS AND AIR PURIFICATION EQUIPMENT
SCT-2	Daltec Industries Ltd.	24 Hayes Ave Guelph N1E 5V5	1984	20000	18	333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing
SCT-3	ALLEN SIMPSON MARKETING & DSGN	24 HAYES AVE GUELPH N1E 5V5	1975	14000	20	3423 3499	HAND & EDGE TOOLS, EXCEPT MACHINE TOOLS & HAND SAWS FABRICATED METAL PRODUCTS, N.E.C.
SCT-4	KERSTING INDUSTRIES LTD.	24 HAYES AVE UNIT 1 GUELPH N1E 5V5	1970	5000	3	3599	INDUSTRIAL AND COMMERCIAL MACHINERY AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED
SCT-5	INDUSTRIAL PROCESS EQUIPMENT	24 HAYES AVE GUELPH N1E 5V5	1991	2500	20	3556 3567	FOOD PRODUCTS MACHINERY INDUSTRIAL PROCESS FURNACES AND OVENS
SCT-6	ABS FRICTION INC.	10 KINGSMILL AVE GUELPH N1E 5V9	1997	25000	180	336340	Motor Vehicle Brake System Manufacturing
SCT-7	Wena Manufacturing Co. Ltd.	10 Kingsmill Rd Guelph N1E 5V9	1985	2700	7		
SCT-8	ABS Friction Corp.	10 Kingsmill Ave Guelph N1E 5V9	1997	50000	180	336340	Motor Vehicle Brake System Manufacturing
SCT-9	Wena Manufacturing Co. Ltd.	10 Kingsmill Ave Guelph N1E 5V9	1985	20000	12	331110	Iron and Steel Mills and Ferro-Alloy Manufacturing
SCT-10	THOMPSON DIV OF VALCOM LTD H I	10 KINGSMILL AVE GUELPH N1E 5V9	1952		35	3769	GUIDED MISSILE & SPACE VEHICLE PARTS

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-11	EASTWING WOOD SPECIALTIES	10 KINGSMILL AVE REAR BLDG GUELPH N1E 5V9	1993		3	2431	MILLWORK
SCT-12	WENA MFG. CO. LTD.	10-A KINGSMILL AVE GUELPH N1E 5V9	1985	2700	7	3499	FABRICATED METAL PRODUCTS, NOT ELSEWHERE CLASSIFIED
SCT-13	GEORGE'S FURNITURE & CABINET	147 STEVENSON ST S GUELPH N1E 5N6	1962	5000	2	2431 2434	MILLWORK WOOD KITCHEN CABINETS
						2499	WOOD PRODUCTS, NOT ELSEWHERE CLASSIFIED
						2511	WOOD HOUSEHOLD FURNITURE, EXCEPT UPHOLSTERED
SCT-14	Giorgio's Galeria	147 Stevenson St S Guelph N1E 5N6	1962	5000	2	339990	All Other Miscellaneous Manufacturing
SCT-15	GEORGE'S GALERIA	147 Stevenson St S Guelph N1E 5N6	1962	5000	2	321911 321919	Wood Window and Door Manufacturing Other Millwork
						337110	Wood Kitchen Cabinet and Counter Top Manufacturing
						337123	Other Wood Household Furniture Manufacturing
						339990	All Other Miscellaneous Manufacturing
SCT-16	George's Furniture	147 Stevenson St S Guelph N1E 5N6	1962	5000	2	321919	Other Millwork
						337110	Wood Kitchen Cabinet and Counter Top Manufacturing
						337123	Other Wood Household Furniture Manufacturing

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Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-17	CLEAR CHOICE WINDOW MFG.	145 STEVENSON ST S GUELPH N1E 5N6	1990	1600	4	2431	MILLWORK
						3089	PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED
						3231	GLASS PRODUCTS, MADE OF PURCHASED GLASS
						321911	Wood Window and Door Manufacturing
						326198	All Other Plastic Product Manufacturing
						327215	Glass Product Manufacturing from Purchased Glass
						332321	Metal Window and Door Manufacturing
SCT-18	Choice Enterprises Inc.	143 Stevenson St S Guelph N1E 3A1	1998		18	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
SCT-19	LEWIS UPHOLSTERY	404 YORK RD GUELPH N1E 3H4	1972	0	3	2512	WOOD HOUSEHOLD FURNITURE, UPHOLSTERED
SCT-20	ALCO VALVES LTD.	433 YORK RD GUELPH N1E 3H6	1993	1000	2	5085	INDUSTRIAL SUPPLIES
SCT-21	STEELE BROS (GUELPH-1986) LTD	60 JOHNSTON ST GUELPH N1E 5T6	1986	6500	10	3495	WIRE SPRINGS
						3496	MISCELLANEOUS FABRICATED WIRE PRODUCTS
SCT-22	Steele Bros. (Guelph, 1986) Ltd.	60 Johnston St Guelph N1E 5T6	1986	6500	13		
SCT-23	Steele Bros.	60 Johnston St Guelph N1E 5T6	1986	15000	16	332210	Cutlery and Hand Tool Manufacturing
						332619	Other Fabricated Wire Product Manufacturing

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Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-24	Old World Woodworking	460 York Rd Guelph N1E 3H8	1997			321911 321919 321999 337110 337123 337127	Wood Window and Door Manufacturing Other Millwork All Other Miscellaneous Wood Product Manufacturing Wood Kitchen Cabinet and Counter Top Manufacturing Other Wood Household Furniture Manufacturing Institutional Furniture Manufacturing
SCT-25	BEDROSIAN RUBBER STAMPS	471 YORK RD GUELPH N1E 3J1	1948	3000	1	3089 3479 3953 326198 332810 339940	PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED COATING, ENGRAVING AND ALLIED SERVICES, NOT ELSEWHERE CLASSIFIED MARKING DEVICES All Other Plastic Product Manufacturing Coating, Engraving, Heat Treating and Allied Activities Office Supplies (except Paper) Manufacturing
SCT-26	Bedrosian Rubber Stamps Inc.	471 York Rd Guelph N1E 3J1	1948	3000	1	326198 332810 339940	All Other Plastic Product Manufacturing Coating, Engraving, Heat Treating and Allied Activities Office Supplies (except Paper) Manufacturing
SCT-27	ABCO BOX & CARTON CO. (DIV. OF	136 VICTORIA RD S GUELPH N1E 5P6	1947	40000	50	322212 322220	Folding Paperboard Box Manufacturing Paper Bag and Coated and Treated Paper Manufacturing
SCT-28	ABCO Box & Carton Co. - Div. of Brantford Paper Box Company Ltd.	136 Victoria Rd S Guelph N1E 5P6	1947	40000	50		
SCT-29	ABCO BOX & CARTON COMPANY	136 VICTORIA RD S GUELPH N1E 5P6	1947	40000	47	2657 2675	FOLDING PAPERBOARD BOXES, INCLUDING SANITARY DIE-CUT PAPER AND PAPERBOARD AND CARDBOARD

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Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-30	ABCO BOX & CARTON CO.	136 Victoria Rd S Guelph N1E 5P6	1947	40000	50	322212	Folding Paperboard Box Manufacturing
SCT-31	Clear Choice Window Mfg.	75 Victoria Rd S Guelph N1E 5P7	1990	1600	4	326198 327215 332321	All Other Plastic Product Manufacturing Glass Product Manufacturing from Purchased Glass Metal Window and Door Manufacturing
SCT-32	Richview Doors Ltd.	75 Victoria Rd S Guelph N1E 5P7			2	332321	Metal Window and Door Manufacturing
SCT-33	SOLAR CONVERTERS INC.	490 YORK RD UNIT A104 GUELPH N1E 6V1	1992	0	0	3433 3613	HEATING EQUIPMENT, EXCEPT ELECTRIC AND WARM AIR FURNACES SWITCHGEAR AND SWITCHBOARD APPARATUS
SCT-34	Bunting Magnetics Company	490 York Rd Unit 214 Guelph N1E 6V1	1959	130	1	416110 417220	Electrical Wiring and Construction Supplies Wholesaler-Distributors Mining and Oil and Gas Well Machinery, Equipment and Supplies Wholesaler-Distributors
SCT-35	SPECIALIZED FIBRES INC.	490 York Rd Suite A212 Guelph N1E 6V1	1995	0	10	417230 313110 313210 325210 326191 326198 327990	Industrial Machinery, Equipment and Supplies Wholesaler-Distributors Fibre, Yarn and Thread Mills Broad-Woven Fabric Mills Resin and Synthetic Rubber Manufacturing Plastic Plumbing Fixture Manufacturing All Other Plastic Product Manufacturing All Other Non-Metallic Mineral Product Manufacturing
SCT-36	B B Wood	490 York Rd Guelph N1E 6V1	1994		1	337110 337123	Wood Kitchen Cabinet and Counter Top Manufacturing Other Wood Household Furniture Manufacturing

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-37	SOLAR CONVERTERS INC.	199 VICTORIA RD S UNIT C1 GUELPH N1E 6T9	1992	1000	5	333416	Heating Equipment and Commercial Refrigeration Equipment Manufacturing Switchgear and Switchboard, and Relay and Industrial Control Apparatus Manufacturing
SCT-38	STERLING CREATIONS INC.	199 VICTORIA RD S UNIT C7 GUELPH N1E 6T9	1983	3000	4	2542	OFFICE AND STORE FIXTURES, PARTITIONS, SHELVING, AND LOCKERS, EXCEPT WOOD
						2754	COMMERCIAL PRINTING, GRAVURE
						3069	FABRICATED RUBBER PRODUCTS, NOT ELSEWHERE CLASSIFIED
						3089	PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED
						3993	SIGNS AND ADVERTISING SPECIALTIES
						3999	MANUFACTURING INDUSTRIES, NOT ELSEWHERE CLASSIFIED
						5046	COMMERCIAL EQUIPMENT, NOT ELSEWHERE CLASSIFIED
						5085	INDUSTRIAL SUPPLIES
						5162	PLASTICS MATERIALS AND BASIC FORMS AND SHAPES
						5199	NONDURABLE GOODS, NOT ELSEWHERE CLASSIFIED
SCT-39	System Resale Solutions IV Ltd.	199 Victoria Rd S Unit C5 Guelph N1E 6T9	1987		17	334110	Computer and Peripheral Equipment Manufacturing
SCT-40	ROMA SALAMI LTD	23 GARIBALDI ST GUELPH N1E 5P3	1956	8600	13	2013	SALISAGES AND OTHER PREPARED MEAT PRODUCTS
SCT-41	Roma Salami Ltd.	23 Garibaldi St Guelph N1E 5P3	1956	8600	10	311614	Rendering and Meat Processing from Carcasses

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-42	Holody Electro-Plating Ltd.	66 Victoria Rd S Guelph N1E 5P6	1955	40000	8	331110 332810	Iron and Steel Mills and Ferro-Alloy Manufacturing Coating, Engraving, Heat Treating and Allied Activities
SCT-43	VTR Uniforms	61 Victoria Rd S Guelph N1E 5P7	1986	4200	5	315210 315222 315226 315227	Cut and Sew Clothing Contracting Men's and Boys' Cut and Sew Suit, Coat and Overcoat Manufacturing Men's and Boys' Cut and Sew Shirt Manufacturing Men's and Boys' Cut and Sew Trouser, Slack and Jean Manufacturing
						315229 315234	Other Men's and Boys' Cut and Sew Clothing Manufacturing Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket and Skirt Manufacturing
						315239	Other Women's and Girls' Cut and Sew Clothing Manufacturing
						315299 414110	All Other Cut and Sew Clothing Manufacturing Clothing and Clothing Accessories Wholesaler-Distributors
SCT-44	DeNardis Industrial Sales Ltd.	61 Victoria Rd S Unit C Guelph N1E 5P7	1985	4000	3	326220 332910 417230 418990	Rubber and Plastic Hose and Belting Manufacturing Metal Valve Manufacturing Industrial Machinery, Equipment and Supplies Wholesaler-Distributors All Other Wholesaler-Distributors

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-45	Sterling Creations Inc.	53 Victoria Rd S Unit 2 Guelph N1E 5P7	1983	5000	4	323119	Other Printing
						326198	All Other Plastic Product Manufacturing
						337215	Showcase, Partition, Shelving and Locker Manufacturing
						339950	Sign Manufacturing
						339990	All Other Miscellaneous Manufacturing
						414390	Other Home Furnishings Wholesaler-Distributors
						416340	Paint, Glass and Wallpaper Wholesaler-Distributors
						418220	Other Paper and Disposable Plastic Product Wholesaler-Distributors
						418410	Chemical (except Agricultural) and Allied Product Wholesaler-Distributors
						418990	All Other Wholesaler-Distributors
						417910	Office and Store Machinery and Equipment Wholesaler-Distributors
SCT-46	CLEAR CHOICE WINDOW MFG.	53 VICTORIA RD S GUELPH N1E 5P7	1990	1600	4	2431	MILLWORK
						3089	PLASTICS PRODUCTS, N.E.C.
						3231	GLASS PRODUCTS, MADE OF PURCHASED GLASS
SCT-47	GUELPH WIRE PRODUCTS	53 VICTORIA RD S UNIT 7 GUELPH N1E 5P7	1974	4000	3	3493	STEEL SPRINGS, EXCEPT WIRE
						3495	WIRE SPRINGS
						3496	MISCELLANEOUS FABRICATED WIRE PRODUCTS
SCT-48	NORTHERN SPORT FISHING PRODUCT	53 VICTORIA RD S UNIT 4 GUELPH N1E 5P7	1991	7000	5	3949	SPORTING AND ATHLETIC GOODS, NOT ELSEWHERE CLASSIFIED

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-49	Print Solutions	50 Victoria Rd S Guelph N1E 5P6	1994	1500	3	323114	Quick Printing
						323115	Digital Printing
						323119	Other Printing
						518210	Data Processing, Hosting, and Related Services
						541430	Graphic Design Services
						541860	Direct Mail Advertising
SCT-50	LAFARGE CANADA INC.	351 ELIZABETH ST GUELPH N1E 2X9	1933	50000	75	3272	CONCRETE PRODUCTS, EXCEPT BRICK AND BLOCK
SCT-51	SIGN ART CENTRE	354 ELIZABETH ST UNIT G GUELPH N1E 2X7	1989	1500	3	323115	Digital Printing
						418210	Stationery and Office Supplies Wholesaler-Distributors
						418990	All Other Wholesaler-Distributors
						3993	SIGNS AND ADVERTISING SPECIALTIES
						339950	Sign Manufacturing
SCT-52	Sign Art Centre of Guelph Inc.	354 Elizabeth St Unit G Guelph N1E 2X7	1989	1500	11	323115	Digital Printing
						339950	Sign Manufacturing
						418210	Stationery and Office Supplies Wholesaler-Distributors
						418990	All Other Wholesaler-Distributors
SCT-53	BJ'S SIGN & DESIGN	200 VICTORIA RD S GUELPH N1E 5R1	1985	180	5	3993	SIGNS & ADVERTISING SPECIALTIES
SCT-54	Luke's Carpentry Shop - Div. of Colonar Holdings Ltd.	127 Morris St Guelph N1E 5M6	1974	16000	4		
SCT-55	Luke's Carpentry Shop	127 Morris St Guelph N1E 5M6	1974	16000	4	337110	Wood Kitchen Cabinet and Counter Top Manufacturing
						337123	Other Wood Household Furniture Manufacturing

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-56	TRINITY GRAPHICS	309 ELIZABETH ST GUELPH N1E 2X8	1977	3000	8	2796 3861 323120	PLATEMAKING AND RELATED SERVICES PHOTOGRAPHIC EQUIPMENT AND SUPPLIES Support Activities for Printing
SCT-57	Independent Paper Converters	309 Elizabeth St Guelph N1E 2X8	1978	56000	55	322220 322299 326114 326198 339990 417230 418220	Paper Bag and Coated and Treated Paper Manufacturing All Other Converted Paper Product Manufacturing Plastic Film and Sheet Manufacturing All Other Plastic Product Manufacturing All Other Miscellaneous Manufacturing Industrial Machinery, Equipment and Supplies Wholesaler-Distributors Other Paper and Disposable Plastic Product Wholesaler-Distributors
SCT-58	Trinity Graphics - Div. of Cameron Industries Inc.	309 Elizabeth St Guelph N1E 2X8	1977	3000	8	326198	All Other Plastic Product Manufacturing
SCT-59	Boehmers	400 Elizabeth St Guelph N1E 2Y1	1875		10	327310	Cement Manufacturing
SCT-60	BOC GASES CANADA LIMITED	404 ELIZABETH ST GUELPH N1E 2Y1	1971	0	5	5169	CHEMICALS AND ALLIED PRODUCTS, NOT ELSEWHERE CLASSIFIED
SCT-61	BOC Gases - Div. of BOC Canada Limited	404 Elizabeth St Guelph N1E 2Y1	1971		5	418410	Chemical (except Agricultural) and Allied Product Wholesaler-Distributors
SCT-62	Biltmore Corporation	139 Morris St Guelph N1E 5M6	1917	42500	50	315210 315990	Cut and Sew Clothing Contracting Clothing Accessories and Other Clothing Manufacturing

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft ²)	Employment	SIC/NAICS Code	Description
SCT-63	Northern Sport Fishing	139 Morris St Unit 2 Guelph N1E 5M6	1961	7000	5	339920	Sporting and Athletic Goods Manufacturing
SCT-64	Northern Sport Fishing Products Ltd.	139 Morris St Unit 2 Guelph N1E 5M6	1991	7000	5		
SCT-65	FM Wire Products	139 Morris St Unit 5 Guelph N1E 5M6	1998	2000	1	332619	Other Fabricated Wire Product Manufacturing
SCT-66	FM WIRE SERVICE	139 Morris St Guelph N1E 5M6	0000	0	0	332619	Other Fabricated Wire Product Manufacturing

Water Well Information System

Map Key	Company	Address	Eastings	Northing	Zone	Well ID	Well Depth (ft)	Primary Water Use	Secondary Use
WWIS-1		GUELPH CITY (GUELPH TWP)	562292	4822584	17	6700896	194.00	INDUSTRIAL	

County: WELLINGTON
 Lot: 001
 Concession: 03
 Location Reliability: margin of error : 100 m - 300 m
 Date Drilled: 9/13/1963

APPENDIX VI

SITE PHOTOGRAPHS

DCS



Photograph N° 1: Looking west from near east fence line. Note concrete floors left in place.



Photograph No 2: Looking east from near centre of site



Photograph N° 3: Looking south from centre of property



Photograph No 4: Small pile of material located in north west part of the site



Photograph N° 5: Looking north towards Polymer Distribution Inc.



Photograph No 6: Looking south east over former capacitor room.

APPENDIX VII

AUDITORS QUALIFICATIONS

Stephen R. Prior, P.Eng.

SENIOR PROJECT MANAGER

EDUCATION

B.Sc. Earth Sciences, University of Waterloo, 1980

TRAINING

1993 40 hour OSHA training Course
1995 8 hour OSHA refresher training
2000 Hydro One Grounding and Bonding Course
2007 Confined Space Entry
2007 8 hour HAZWOPER refresher training

EXPERIENCE

2006 – Present Decommissioning Consulting Services Limited

Mr. Prior is a Senior Project Manager with DCS and is a Qualified Person under Ontario's Regulation. 153/04 for both Phase I and II Environmental Site Assessments.

Project manager for an on-going Environmental Site Assessment on a property owned by the City of Guelph. The end goal of the investigation is to convert the lands from impacted industrial to residential development

Provided peer review comments for the MOE on the hydrogeological and site condition components of risk assessments (RAs) completed by other consultants.

Completed a number of Peer Reviews for the City of Toronto

Completed numerous Phase I Environmental Site Assessments for sites located through out Southern Ontario.

2005 – 2006 Self Employed

Provided on site laboratory analysis during the investigation and clean up of TPH impacted sites. On site analysis used Ultra violet fluorescence (UVF) techniques to provide real time, near laboratory quality analysis for petroleum hydrocarbons.

2000 – 2005 AEON Management, Brampton, Project Manager/Engineer

Completed studies at a number of provincial parks to assess the potential for non-GUDI wells. Potential water supply wells were located based on local and regional geologic features. Wells were drilled at most sites and pumping tests were completed. Analysis was completed to determine if the wells would be considered a non-GUDI well based on observed drawdown and chemical data. Applications were made for Permits To Take Water.

Project Engineer on a number of electrical distribution stations that had been impacted by the use of arsenic trioxide which had been used as a defoliant until 1972.

Project engineer on the remediation of a number of sites that were impacted by NAPLs, petroleum hydrocarbons and metals.

Provided on site laboratory analysis using X Ray Fluorescence (XRF) for metals and Ultra Violet Fluorescence (UVF) for some organics including petroleum hydrocarbons, BTEX parameters, some NAPLs, PCBs and PAHs. These techniques allow for near instantaneous analysis of field samples resulting in reduced downtime during a clean up process.

Completed numerous data projects using VIEWLOG and SiteFX. These programs allow for the input of data into a relational database and the creations of isopoch, chemical concentration and groundwater flow maps. Cross sections were generated directly from the database and volumes of contaminated material were estimated. VIEWLOG may also be used as a pre- and post-processor for MODFLOW.

Designed a number of surface and ground water observation stations that monitored the interaction between them and surface water flow into and out of a test area. These stations were designed to monitor surface flows and ground water levels through the use of pressure transducers. The data could be collected at regular intervals and downloaded for a more detailed analysis.

1997 – 2000 Trow Consulting Engineers, Stoney Creek, Project Engineer

Site engineer responsible for overseeing the geotechnical and environmental aspects of a large-scale expansion of an industrial facility along the Hamilton Harbour front.

Provided an assessment of an existing pump and treat system and determined its long-term effectiveness. Alternative methodologies were proposed.

1990 – 1997 Jagger Hims Limited, St. Catharines, Project Manager/Engineer

Completed a multi year aquifer evaluation for a city in south central Ontario. The project involved the design of a phased pumping test program to ensure an adequate supply of drinking water was available over the duration of the test and to maximize the collected data.

Completed a model of the fractured bedrock aquifer system for a city in south central Ontario. This included proposed wellhead protection zones.

Completed a number of models to monitor the impact of landfills on the groundwater flow system

Completed a number of 1½ D diffusion models to predict the long-term rate of impact of a hazardous waste facility on an aquifer supplying area residences.

Developed a relational database for a hazardous waste disposal facility located in southwestern Ontario. This database included all known information on the site including chemical analysis, geology and historical land use. This database was used in the preparation of an Environmental Assessment of a proposed expansion of the landfill.

Completed a model of the fractured bedrock aquifer system for a city in south central Ontario. This included proposed wellhead protection zones.

Completed a number of models to monitor the impact of landfills on the groundwater flow system

Completed a number of 1½ D diffusion models to predict the long-term rate of impact of a hazardous waste facility on an aquifer supplying area residences.

1988 – 1990 MacLaren Engineers, Toronto, Project Engineer

Field project manager for the removal of approximately 450,000 m³ of potentially contaminated soil from a former rail yard in downtown Toronto. Laboratory analysis was performed on a just-in-time basis with these results determining the disposal site of the soil.

Created a large database to track the chemical analysis for soil samples at a large dig and dump project. The database also tracked the movement of the soil leaving the site.

1985 – 1988 Bruce A. Brown Associates Limited, Project Engineer

Completed a number of Phase II investigations at various sites across Toronto.

Completed a number of investigations to determine the feasibility of sites for septic systems.

1980 – 1985 Geocon Inc., Toronto, Project Engineer

Completed a large number of geotechnical investigations in the harbour front area of Toronto. This work included drilling supervision with boreholes that extend into the Georgian Bay bedrock, caisson inspection and monitoring of the construction of a tunnel leading from the cross town water line into the new John St. Water pumping station.

Completed monitoring of fractures in the bedrock underlying the footings of the SkyDome to determine if wide clay filled fractures were present that may have had a detrimental impact on the settlement of the footings.

Completed a large number of geotechnical investigations across Ontario.

Provided on site supervision during the construction of a large number of tailings ponds across Canada. This work includes monitoring the construction of the starter dams and supervising grouting of the bedrock beneath the dams to create a low permeability barrier.

PUBLICATIONS

Prior, S., G. Funk and J. Sanvido, *Aquifer Evaluation and Delineation of Wellhead Protection Areas for the City of Guelph*. Presented at the International Association of Hydrogeologists Conference, Edmonton, June 1995.

Richard W. Browne, M.A.Sc., P.Eng.

SENIOR VICE PRESIDENT

EDUCATION

M.A.Sc., Geo-Environmental Engineering, University of Waterloo, 1988

B.Sc., Geological Engineering, Queen's University, Kingston, 1978

PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario
Canadian Geotechnical Society
Canadian Dam Association

EXPERIENCE

1993-present - Decommissioning Consulting Services Limited

1993 – 2002 *General Manager, Engineering Services*
2002 – Present *Senior Vice President*

Mr. Browne is the Senior Vice President at DCS and has a background in environmental and geotechnical engineering. He has been involved in a wide range of projects including subsurface contamination investigations; environmental liability assessments; development, design and supervision of site remediation programs as well as the geotechnical and foundation engineering components of site remediation and property redevelopment projects. He has been the project manager for numerous environmental programs including the following:

Completed geotechnical engineering design, technical specifications and oversaw construction supervision of a geosynthetic clay liner waste rock and ore containment pad. Work was completed for Dynatec Corporation at a former Inco Mine site in Levack, Ontario.

Project director for the environmental investigation and risk assessment for the residential redevelopment of the West Don Lands former industrial area in downtown Toronto. The program completed for the Ontario Realty Corporation involves completion of more than 150 boreholes and development of detailed risk management strategies.

Retained by the City of Toronto to carry out environmental peer reviews of site investigation and remediation reports prepared by other consultants to support applications to redevelop industrial properties. Completed peer reviews of over 40 properties.

Completed geotechnical investigation at the Hydro One Richview Transformer Station in Toronto, Ontario. Prepared geotechnical recommendations to resolve differential settlement of switchgear equipment supported by shallow foundations at locations throughout the station.

Carried out site reconnaissance, geotechnical investigation and

design engineering for the construction of an earthfill dyke and outfall control structure within a historic tailings pond area in Timmins, Ontario. Temporary pond raising was required to facilitate submergence of waste rock to be placed within Gillies Pond.

Completed detailed environmental investigations of University of Toronto lands surrounding a former municipal landfill site in the Scarborough area of Toronto, Ontario. Completed assessment of soil and groundwater impacts, as well as, potential concerns associated with landfill gas migration and generation. Presented environmental concerns and solutions at public meetings and to City officials. Work was completed to obtain approvals for redevelopment of land within potential zone of influence of the landfill.

Provided senior engineering review and co-ordination to the investigation of 17 Phase II ESA's of Hydro One distribution station sites throughout southern Ontario. This included review of work plans, final site investigation reports and proposed site remediation plans, specifications and risk analyses.

Project director for the investigation and remediation of a former gravel pit infilled with miscellaneous fill in Scarborough, Ontario for Centennial College. The program involved assessment of potential impacts of methane gas and leachate from two nearby landfills. Completed technical specifications and supervised remediation of site. Completed detailed geotechnical investigation for proposed 5 storey community college campus. Prepared slope stability analyses for construction of building within Highland Creek Valley. Oversaw geotechnical inspection work for construction of building foundations, retaining walls and required sub-slab drainage system.

Project director for review of spill containment liner options available to Hydro One for their transformer station facilities. Provided geotechnical and environmental assistance to Hydro One on proposed drainage improvement measures to more than 10 transformed stations.

Provided environmental consulting advise to the legal firm of Fraser Milner in support of negotiations for the sale of a metal plating plant and an aluminum stamping plant. The extent of heavy metal, hydrocarbon and volatile organic compound contamination in the soil and groundwater was reviewed and environmental liabilities assessed.

Carried out the hydrogeological investigation and decommissioning design for a 29 m deep, 1.2 m diameter, hand-dug well, which had been impacted by arsenic. The program included development of specifications and on-site environmental supervision of the well closure. A hydrogeological report for submission to the Ministry of the Environment was then prepared.

Completed Phase I and Phase II ESA's of a series of properties to be acquired by Rogers AT & T throughout Southern Ontario. Co-ordinated cleanup of a designated sensitive site to background contaminant levels.

Co-ordinated the environmental investigation and preparation of ecological and human health risk assessments for two former bulk oil storage industrial sites in the Toronto waterfront area for TEDCO. One site was proposed for commercial usage, while the second was proposed to be a wildlife corridor green space.

Project Manager for completion of an environmental assessment of the proposed Technodome site at former CFB Toronto, Downsview, property. The program involved subsurface investigation of a large number of former aboveground and underground storage tank locations as well as former ammunition storage areas.

Completed an environmental investigation into the possible upgradient sources of volatile organic compound (VOC) contamination within the groundwater underlying a Toronto industrial plant. Presented case to MOE for classification as an area wide concern.

Prepared environmental engineering requirements for the capping of arsenic-impacted soil at three electrical distribution sites. The program included preparation of environmental work plans, construction drawings for capping and drainage systems, and preparation of technical specifications.

Project Manager for the geotechnical and environmental investigation of the proposed extension of Basin Street in the Port Industrial Area of Toronto for TEDCO. The program included assessment of impact of former petroleum storage facilities and metal-contaminated fill. A site-specific risk assessment was carried out to determine appropriate management for the identified contamination. Evaluated anticipated settlement of proposed fill to be placed along the alignment, due to consolidation of the underlying 3 m-thick peat layer.

Co-ordinated the subsurface investigation of a hydrocarbon-contaminated MNR works yard adjacent to a river in Northern Ontario. Prepared a remediation work plan and tender documentation for cleanup of the site. Oversaw remediation of the site and ongoing groundwater monitoring to assess any impact on water quality.

Provided environmental consulting testimony to a specialty shot blasting plant to resolve a legal dispute over the origin and extent of heavy metal contamination on site.

Co-ordinated the investigation of an abandoned dry stack tailings basin, 150 km northwest of Thunder Bay, Ontario. Investigated groundwater quality in the underlying overburden and bedrock in preparation for development of a tailings basin closure plan. Reviewed condition of existing earth structures and suitability of local soils for use as a partial surface cover for the tailings area. Developed detailed drawings and specifications for closure plan construction involving modifications to tailings containment dam and realignment of adjacent MTO tertiary Highway m 802.

Project Manager for the cleanup of an industrial plant site in Etobicoke slated for residential redevelopment. Co-ordinated

subsurface investigation and supervised the remediation of hydrocarbon and heavy metal-contaminated fill and miscellaneous wastes. Completed a geotechnical investigation and provided engineering recommendations and construction supervision services for the placement of deep engineered fill foundations for the support of 44 proposed luxury townhouses.

Completed a review of available technologies to manage or remediate heavy oil, PCB and arsenic contamination in soil or groundwater on electrical transformer station sites. Developed an engineering design manual, which outlined environmental remediation methodologies, design parameter requirements, typical unit costs, and advantages and disadvantages of procedures.

Co-ordinated the geotechnical investigation of a proposed residential development site along the crest of the Humber River Valley in Bolton, Ontario. Completed stability analyses of the 20 to 30 m high valley slope and prepared an engineering report to support the proposed development at an Ontario Municipal Board hearing.

Project Manager for the investigation and partial remediation of a major heating fuel oil tank loss, of in excess of 100,000 l, at a Toronto apartment complex. Co-ordinated emergency installation of product recovery well and interceptor trenches to recover loss product migrating through the sandy overburden. Supervised the monitoring of the product recovery system and the installation of a groundwater treatment system. Represented firm in arbitration hearings which resolved dispute with major oil firm and property owner.

Provided emergency environmental response to a major hotel in the Toronto Airport area following identification of oily storm sewer discharge to an adjacent creek. Met with the MOE and City authorities to control sewer discharge using booms and adsorbent material. Co-ordinated subsurface investigation to locate the contaminant source. Supervised removal of two out-of-service heating oil tanks and associated contaminated soils. Submitted remediation verification report to satisfaction of the MOE and MCCR.

Co-ordinated the Phase II environmental investigation of the Transport Canada Muskoka Airport near Gravenhurst, Ontario. The investigation included surficial soil sampling, integrity testing of eight underground storage tanks and surface and groundwater sampling.

Project Manager for the remediation of solvent contamination of soil and groundwater resulting from losses from buried dump tanks at two printing plant sites. The program included the remediation and modification of a chemical storage room and the design and construction supervision of a below-grade concrete secondary spill containment vault.

Co-ordinated the environmental investigation of a 14 ha property in the historic industrial area of Kingston, Ontario. Investigated the extent of primarily heavy metal contamination associated with past operations of a tannery and lead smelter on the site. Assessed environmental liabilities and remediation

costs associated with redevelopment of the property. Prepared to give environmental testimony in court; however, issue was resolved.

Reviewed stability analyses of fill slopes along West Rainbow Creek in the City of Vaughan to support closure application for the redevelopment of a former landfill site.

Investigated coal tar contamination of a former roofing felt manufacturing plant site in the Toronto Port Industrial Area. Determined extent of contamination and estimated related environmental liabilities.

Project manager for the investigation of the environmental impact of an historic landfill site located in the Rouge River Valley in Markham, Ontario. Investigated soil and groundwater contamination, landfill waste composition and reviewed the geotechnical stability of the fill and natural slopes. Prepared a closure plan for the site for submittal with an application under EPA Section 46.

Co-ordinated Phase II environmental investigations of eight commercial/industrial properties throughout Southern Ontario for Orlando Corporation. Investigated soil and groundwater contamination associated with plant waste disposal practices, fuel handling and underground waste spill tanks and assessed the associated environmental liabilities. Supervised site cleanup and remediation associated with long-term furnace oil losses from an underground storage tank located beneath the parking level of a downtown Toronto office tower.

1978-1993 - Geocon Inc. (SNC Lavalin), Toronto, Ontario

General Manager - 1991-1993

Provided technical review and carried out business development for geotechnical and environmental projects primarily throughout Ontario.

Senior Project Engineer - 1978-1991

Carried out geotechnical investigations, analyses and report preparation for industrial properties, dam sites, mine tailings areas, marine installations, highway route alignments and pulp and paper mills at locations across Canada.

Investigation of hydrocarbon groundwater contamination of a large paper mill site in northern Ontario. Provided recommendations for groundwater remediation and control of free product discharging from river banks.

Geotechnical route and structure investigations for 20 km section of proposed Highway 416 leading to Ottawa.

Geo-environmental investigation of heavy metal soil contamination of military rocket range stop butts at CFB Chilliwack, B.C., and CFB Valcartier, Quebec.

Geotechnical/environmental investigation for major expansion of the Humber Sewage Treatment Plant. Provided recommendations for off-site disposal of contaminated soil and groundwater.

Project Manager for the geotechnical investigation of a proposed oil storage tank farm to be constructed on soft marine sediments in Hamilton Harbour. The program included detailed settlement analyses and slope indicator and pneumatic piezometer monitoring of the stability of the structure during water testing and filling of the tanks.

Route evaluation for proposed expressways linking Highway 401 to proposed Highway 407 in Whitby area.

Investigation, monitoring and remediation of numerous hydrocarbon-contaminated oil refinery and gas station properties in southern Ontario for Imperial Oil and Petro-Canada.

Concrete gravity and earth dam stability review and remediation design, Abitibi Price Inc., Iroquois Falls, Ontario.

Burt Dam high tensile steel cable anchor installation, northern New York, U.S.A.

Geotechnical investigations for repair or replacement of more than 25 large diameter petroleum storage tanks at Petro-Canada Refinery, Clarkson, Ontario.

Geotechnical engineer for construction of infrastructure for the redevelopment of the Marathon Realty Limited, Southtown Railway lands in downtown Toronto.

Geotechnical investigation for new woodroom and portal crane to be founded on 20 m of compressible clays in northern Ontario paper mill site.

Environmental and geotechnical site investigation of 19 ha of downtown Toronto industrial land, within the Ataratiri site, slated for residential redevelopment.

Geotechnical investigations and construction supervision for the Sky Dome facilities, including caisson installation and spread footings on shale.

Field investigation and tailings basin design of open pit graphite mine, Huntsville, Ontario.

Supervised grouting and refacing repairs to 57-year old Island Falls hydroelectric dam and powerhouse on Churchill River for Saskatchewan Power Corp.

Investigation of 60 m-high masonry irrigation dam in central Honduras including diamond drilling, packer testing and grouting trials.

Condition assessment of Welland Canal locks and piers, Port Colborne, Ontario.

Supervision of multi-stage cement grouting for low permeability grout curtain for 40 m-high tailings dam for the Noranda Hemlo gold mine site.

Project engineer for 65-borehole geotechnical investigation of proposed Hydrogen Peroxide plant to be constructed for Dupont at Maitland, Ontario.

Carried out four geotechnical investigations along alignment of proposed GO ALRT light rail transit line throughout the Greater Toronto Area.

Investigation, rehabilitation, design and construction supervision to arrest uncontrolled erosion of a sand and gravel pit near Gravenhurst, Ontario, for the M.N.R.

Investigation of condition and stability of six hydroelectric dams in northern Ontario and Newfoundland including evaluation of alkali-reactive aggregate potential.

Supervised marine operations of sea floor drilling system for proposed hydroelectric transmission line crossing of Strait of Belle Isle between Newfoundland and Labrador.

Geotechnical/hydrogeological investigations for a fine coal waste tailings dam near Sydney, Nova Scotia, and a uranium mine tailings area in northern Labrador.

Supervised pile load test program and installation of 944 steel tube piles for settlement-sensitive paper machine at Abitibi Price mill in northern Ontario.

Supervised geotechnical drilling operations at proposed production well facilities on the Grand Banks, Newfoundland, 300 km offshore of St. John's.

Arctic field investigations for liquified natural gas terminal on Melville Island, N.W.T., and for artificial islands in the Mackenzie River at Norman Wells, N.W.T.

Field supervision of slope stability and piezometric monitoring of 45 m-high, 4 km-long, open pit tarsands mine in Fort McMurray, Alberta, for Syncrude Canada.