



Regional Municipality of Waterloo
Urban Threats Inventory Database (TID)
Final Report

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TABLE OF CONTENTS

1	INTRODUCTION	1
1.1	SCOPE AND OBJECTIVES.....	1
1.2	BACKGROUND.....	1
1.3	TID UPDATE STUDY	2
1.4	REPORT ORGANIZATION.....	3
2	DATA SOURCES	4
2.1	GENERAL	4
2.2	DATA SOURCES.....	4
	<i>Cemeteries.....</i>	<i>4</i>
	<i>Certificates of Approval – Waste Disposal</i>	<i>4</i>
	<i>Dun & Bradstreet Business Listing.....</i>	<i>5</i>
	<i>Electrical Utility Sites.....</i>	<i>5</i>
	<i>Inventory of Historical Land Uses.....</i>	<i>5</i>
	<i>Landfills.....</i>	<i>5</i>
	<i>Ontario Waste Generators</i>	<i>6</i>
	<i>Pesticides.....</i>	<i>6</i>
	<i>Retail Fuel Storage Tanks.....</i>	<i>6</i>
	<i>Salvage Yards.....</i>	<i>6</i>
	<i>RMOW Environmental Incident Reports.....</i>	<i>7</i>
	<i>RMOW Sewer Use By-law Surcharge Agreements.....</i>	<i>7</i>
	<i>RMOW Environmental Site Information Listing</i>	<i>7</i>
	<i>Records of Site Condition</i>	<i>8</i>
	<i>Transportation Yards.....</i>	<i>8</i>
	<i>Gas and Oil Pipelines.....</i>	<i>8</i>
	<i>Storm Water Management Ponds.....</i>	<i>9</i>
	<i>Waste Water Treatment Plants.....</i>	<i>9</i>
3	DATABASE OVERVIEW	9
3.1	OVERVIEW OF DATABASE STRUCTURE.....	9
4	THREAT RANKING.....	11
4.1	RANKING RATIONALE.....	11
4.2	TECHNICAL SUPPORTING INFORMATION.....	13
4.3	RANKING METHOD.....	14
4.4	RANKING RESULTS.....	15
5	TID LIMITATIONS	16
6	RECOMMENDATIONS	17
6.1	DATABASE MAINTENANCE	17
6.2	ADDITIONAL DATA.....	17
7	REFERENCES	19

LIST OF FIGURES

Figure 1: The Regional Municipality of Waterloo	22
Figure 2: Schematic Diagram of the Threats Inventory Database.....	23
Figure 3: Example TID view showing all available information.....	24
Figure 4: Example TID view showing highest threat rank per property.	25
Figure 5: Region of Waterloo Threat Locations (highest threat per property shown).	26

APPENDIXES

- Appendix A: Threat Ranks by NAICS Code
- Appendix B: Threat Ranks by SIC-E 1980
- Appendix C: Threat Ranks by Property Tax Assessment Code

1 Introduction

1.1 Scope and Objectives

The Regional Municipality of Waterloo has created a Threats Inventory Database (TID) which is a collection of information on urban land-use activities that have potential to affect the quality of surface and groundwater in the Region. The TID includes information on past and present industries, landfills, chemical and fuel storage sites, and other urban land use activities throughout the Region of Waterloo, all ranked according to the level of potential threat each poses to surface and ground water. A threat is defined as a past, present or future (proposed) activity or condition that is impacting or has the potential to impact a drinking water source.

The TID is designed as a reconnaissance-scale inventory (Region-wide) that brings together data from many available datasets. The TID focuses on urban, point-source features i.e. potential sources of water contamination which are discrete and identifiable such as a landfill or underground fuel storage tank (versus non-point sources which are dispersed, widespread sources of contaminants such as road runoff and pesticide applications).

The main purpose of the TID is:

- *to identify past, present and future activities that could pose a potential long term risk to groundwater aquifers and to identify where future risk mitigation measures, monitoring, or other Source Water protection activities may be required.*

Secondary purposes for the database are:

- *providing information in support of Regional policies or Planning approvals regarding the redevelopment of potentially contaminated lands (e.g. RMOW, 1997; RPCO, 2000)*
- *providing information in support of Public Health initiatives to address potential impacts from contamination*
- *providing information to assist municipal infrastructure planning and development of protocols concerning potential contaminants and disturbance of contaminated sites (i.e. road construction)*

1.2 Background

The Regional Municipality of Waterloo has set a corporate priority to protect and enhance the quantity and quality of local water resources (RMOW, 2004). This supports the Region's responsibilities for planning, operating, and testing the bulk water supply and wastewater treatment facilities in the three cities and four townships that make up Waterloo Region (Figure 1).

Since 1994, the Region's Water Services Division has carried out a comprehensive Water Resources Protection Strategy. The Water Resources Protection Strategy goals are to minimize the impact of historic, existing and future land uses on water resources. The key components of

the strategy include identifying sensitive groundwater areas, collecting information on potential sources of contamination, developing policies and programs to reduce land use impacts, and increasing public awareness and education of source water protection issues.

In 2003 the Region, partnered with the Grand River Conservation Authority (GRCA), was awarded funding from the Ontario Ministry of Environment (MOE) Operation Clean Water Municipal Groundwater Studies Initiative. This joint project was to complete a multifaceted groundwater protection study for the Region of Waterloo, by updating previous work according to new MOE guidelines, filling data gaps, formatting information according to MOE standards, and updating the Region's Water Resources Protection Strategy Implementation Plan. Since much of the Region's groundwater protection work was completed prior to the development of the MOE Municipal Groundwater Studies Initiative, the Region/GRCA project had a customized scope of work and contained components that went beyond the MOE Groundwater Studies framework or varied from MOE study guidelines.

An important part of the Region's Water Resources Protection Strategy has been the Threats Inventory. This is a comprehensive Geographic Information Systems-based inventory, first created in 1993 (previous versions were titled the Potential Contaminant Sources Inventory). The Threats Inventory was updated as part of the Region/GRCA Municipal Groundwater Study. The update project was divided into two components, one focusing on urban, point-source contamination threats and a second project focusing on rural contamination threats (non-point and point sources). This report presents a summary description of the updated database for the urban, point-source Threats Inventory Database (TID). Separate reports were prepared for the detailed TID database design report and user's manual (Regional Municipality of Waterloo, 2006), and for the Rural Threats Inventory (Water and Earth Science, 2006).

1.3 TID Update Study

In 1993, the Region completed a reconnaissance-level survey of known, potential present, and potential historic contaminant sources of surface water and groundwater. The survey was used to assess the relative risks posed by potential contaminant sources, to prioritize areas for more detailed investigations, and to evaluate and implement land use management options in conjunction with other agencies. Based on the technical characteristics of the data (point versus non-point data) and on the typical ways the data was used by the Region, the inventory was separated into two functional datasets: an urban point source dataset, and a rural non-point sources dataset.

As part of the Municipal Groundwater Study project, the inventory was updated to include newer information and to add additional sources of information. Separate projects were carried out for the two datasets (point/urban versus non-point/rural). This report summarizes the results of the update to the urban point-source inventory of potential threats to water quality, the Threats Inventory Database (TID).

The TID update project included:

- updating information to include current data
- adding new sources of information not available in the previous inventory
- improving the quality of data (particularly the geographic locations of points),

- creating “threat” rankings to indicate the level of threat posed by each potential contaminant source,
- providing comprehensive documentation for the database, and
- establishing data maintenance and upgrading procedures.

1.4 Report Organization

This report gives an overview of the Region’s Threats Inventory Database. Section 2 provides a summary of the data sources. Section 3 provides an outline of the structure of the database. Section 4 presents the rationale, supporting information, and methods used to develop threat rankings. Section 5 summarizes important limitations of the TID, and section 6 summarizes current recommendations for maintaining the database.

A detailed description of the TID is presented separately in the “*Threats Inventory Database User Manual, Version 1.0*” (RMOW, 2006).

2 Data Sources

2.1 General

The Threats Inventory Database is intended to be a “reconnaissance scale” inventory of potential threats to drinking water sources. The TID covers the entire Regional Municipality of Waterloo and focuses on urban “point sources” which are discrete, identifiable sources of contaminants such as a landfill, an underground fuel storage tank, or industrial land use of a single property. The scope of the database is to use, as much as possible, existing sources of information and especially existing digital databases.

The TID is intended to capture data on past and present threats, therefore information on past activities is maintained in addition to information on current land-use. The database is designed to allow access to either detailed information (e.g. all information for a given parcel of land) or summary information on threats (e.g. thematic mapping of threat information).

2.2 Data Sources

The following section summarizes the various sources of threat data compiled into the TID. The Detailed Design and Users’ Manual report (RMOW, 2006) provides details of the data fields captured for each data source.

Cemeteries

The cemeteries table is a listing of cemeteries within the Region compiled by the RMOW Planning, Housing and Community Services (PHCS) department. Originally provided in a polygon GIS format, it has been modified to a point format for integration into the TID with a sister polygon layer available as an accessory layer in the GIS mapping view. TID information includes cemetery name, address, status of operation, acreage and legal description.

Certificates of Approval – Waste Disposal

The MOE issues Certificates of Approval to regulate emissions to air, land or water. Certificates of Approval are required for facilities that release emissions to the atmosphere, discharge contaminants to ground and surface water, provide potable water supplies, or store, transport or dispose of waste. The listing of issued Certificates of Approval was requested from the MOE for this project. Currently the MOE makes available only the listing of C of As issued for waste disposal and management (EPA s. 27 - Approval for a waste disposal site). The C of A (Waste) 2003 listing provided by MOE has been included in the TID. Section 27 of the Environmental Protection Act (EPA) requires that approval be obtained before using, operating, altering, enlarging or extending a waste management system or waste disposal site. TID information includes company names, approval status, application types and other waste-related information.

Dun & Bradstreet Business Listing

The Dun and Bradstreet (D&B) database is one of the most up-to-date and complete business information directories in Canada. This database is sold as a licensed data set primarily for marketing purposes. Businesses provide the information voluntarily to the D & B company. The Region obtained two sets of Dun & Bradstreet listings (1993 and 2003) for use in the TID. Data includes company name, company address, and industry category by the Canadian Standard Industrial Code (1993 data) or the Canadian North American Industrial Classification System code (2003 data). This information is used to derive and map the locations of industry, by industry sector, in the Region. The Dun and Bradstreet data can be used by the Region only subject to the terms of a data use agreement which prevents further distribution of the original information.

Electrical Utility Sites

Information on the locations of electrical utility sites, including public and private generating stations and transformers, was compiled using the Region's property tax assessment database. Properties with tax codes indicating a land use corresponding to an electrical utility use were queried from the 2006 tax assessment code database. TID information includes property owner, address, and details of the landuse according to the property tax classification.

Inventory of Historical Land Uses

The Region commissioned two studies to inventory past industrial land uses in the urban areas of the Region. Each study produced a report and a database. The reported data included company names, historical address, map location, company products, and number of employees. Where possible the type of industry was specified by Standard Industrial Code. These two studies are described below.

The "Mason" database contains the results of a study of historical industrial land use in the Kitchener-Waterloo area (Mason and Mulamootil, 1994). In this investigation the historical searches were divided into three time periods-- the 19th century, 1900 to 1950 and 1951 to 1985. Data sources included historical maps, fire insurance maps, historical literature, and past business directories.

The "Historica" database contains the results of a study of historical industrial land use in Cambridge and 21 rural communities (towns, villages) in the Region (Historica Research Limited, 1994). The period studied was from approximately 1850 to 1985, subdivided into three time periods based on the availability of information: 1850 to 1925; 1925 to 1960; 1960 to 1985. Data sources included historical maps, national and provincial directories, the county historical atlas, and past business directories.

Landfills

Information on current and past landfills and dumps was compiled by Region staff from several sources. The primary source was a MOE inventory of past waste disposal sites (MOE 1991;

Gartner Lee Ltd., 1980), supplemented by MOE file information on site locations. Other locations were identified through site-specific studies on file with the Region (geotechnical and environmental investigations where landfilled material was uncovered). Information from municipal files of closed and open landfill sites is also included.

Ontario Waste Generators

Under the Ontario Environmental Protection Act and Regulation 347, companies which generate designated liquid industrial and hazardous wastes are required to register with the Province and manifest waste according to MOE requirements. The MOE tracks information on waste generators in the “HWIN” database including company name, type of waste registered, status of waste and quantity of waste. The Region has obtained HWIN information for the years 1986 through 1992, 2000, and 2004.

Pesticides

The Ontario Ministry of the Environment, through the Ontario Pesticides Act and Regulation, regulates the sale, use, transportation, storage and disposal of pesticides. The ministry issues pesticide applicator, operator and vendor licences. Permits are required for the use of designated (more toxic) pesticides, pesticides applied by aircraft, and pesticides applied to water. The MOE provided the Region with a list of seven sites/operators that have permits to apply certain designated pesticides to water. This information is included in the TID.

Retail Fuel Storage Tanks

The TID contains information from the inventory of retail fuel storage and dispensing facilities obtained from the Technical Standards and Safety Authority (TSSA). Collected as these facilities applied for licensing, the table consists of company names, type of fuel on site, operation status and capacity of the onsite storage tanks along with other information pertinent to fuel storage tanks. The TID contains two sets of TSSA licence information: from 1993 and from 2003.

Salvage Yards

The salvage yard table contains information on licensed salvage yards and their location throughout the Region and originates from the Region’s Licensing and Regulatory Services Department (by-Law 05-063). Salvage yards are establishments where goods, wares, merchandise, articles or things are processed for further use. These items are stored wholly or partly in the open and include junk yards, scrap metal yards, automobile wrecking yards and premises. This table lists licensing numbers, company names, years of validation, inspection dates and licence conditions for each salvage yard.

RMOW Environmental Incident Reports

Under the Ontario Environmental Protection Act, there is a requirement to report spills to both the MOE and to the Regional Municipality of Waterloo. A “spill” is defined as a discharge of a pollutant into the natural environment, from or out of a structure, vehicle or other container, and that is abnormal in quality or quantity in light of all the circumstances of the discharge. The Region maintains confidential records on spill reports. Generally a spill record indicates an area where a spill to the environment has occurred, the type of contaminant (if known), how much was spilled and the status of the spill and how it was addressed and the date the incident occurred. Much of this information is stored in paper records. To date, the TID contains a RMOW spill records from the period 2000 to 2003.

RMOW Sewer Use By-law Surcharge Agreements

The Region maintains a listing of companies that have applied to discharge elevated levels of certain compounds into the sanitary sewer system as allowed under Regional Sewer Use By-Law 1-90.

The TID contains information on surcharge agreements for years spanning 2005 and 2006, and this information is considered confidential and subject to the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA). Information stored in the TID includes the discharging company name, the maximum discharge limits of various permitted compounds and the waste water treatment plant accepting the extra waste for processing.

At present, there is no system for ranking these entities so they have been assigned a threat rank of “No Category” and should be considered on a site-by-site basis.

RMOW Environmental Site Information Listing

The Environmental Site Information list is an internal listing maintained by the Water Resource Protection section of the Region. It is a list of locations where there is information regarding soil or groundwater contamination. The list was compiled from staff’s knowledge of sites for which information has been received by the Region from time to time. The information has been supplied from various sources and has not been independently verified. The Regional Municipality of Waterloo makes no representations or warranties about the accuracy of the list.

The ESI Listing is meant to “flag” a site to indicate that there is some level of site-specific information available, and that further data collection and/or site-specific assessment may be recommended. A site is included on the list if the RMOW Water Resource Protection group has received information that soil or groundwater contamination exists or existed in the past at the site, at levels above applicable environmental guidelines. The inclusion of a property on the list is subject to several limitations:

- The list is not a complete list of such sites and includes only sites where information was made known to staff. There is no regulatory requirement to notify RMOW of contamination, and this listing is assumed to be very incomplete.
- In many cases, the nature or level or past or present contamination at any site is not fully understood and/or the RMOW is not privy to complete or up-to-date information. Therefore the

ESI list does not categorize sites based on degree of contamination or chemical nature of contamination. This information must be assessed based on up-to-date and site-specific information.

- The list does not confirm the current environmental status of any property. Properties on the list may have been remediated and now meet applicable guidelines. The Region may or may not have access to information on the current status of any site.
- The list may include properties which have been affected by the migration of contaminants, and which are not themselves the source of contamination. Information on the source of any contamination is often not complete or not available.

Records of Site Condition

The Record of Site Condition (RSC) is a document stipulating information about the environmental condition of a property. These documents are completed according to MOE guidelines, and were first used in Ontario in 1997. Currently RSC documents are governed by the Environmental Protection Act and Ontario Regulation 153/04. The RSC is an affidavit from a site owner and an environmental professional stating that the soils and groundwater underlying a specified property meet with the applicable MOE cleanup standards consistent with the use of that property (agricultural/residential or commercial/industrial). Since October 2004 all RSCs are public documents which are posted on the MOE's Brownfield Environmental Site Registry website. Prior to this date RSCs were not posted on the website or listed in any central registry.

The RSC listing in the TID is a partial list of RSCs existing for Region properties. It contains summary information for the RSCs received by the Region, but is not a complete list of all Region RSCs received by the MOE. The RSC information is supplementary information to the TID, generally used in conjunction with the Environmental Sites Listing, and the RSC data points are not treated as threats and given a threat rank of "No Category."

Transportation Yards

The TID contains a listing of Region-owned locations for transportation and municipal yards obtained from the RMOW Transportation and Environmental department.

Typically, these sites house fueling yards and large salt storage facilities posing a threat to groundwater. Records from this table are given a threat ranking of High. This table provides the name and address of each transportation yard, and is currently under development. It will be updated to include yards maintained municipalities and townships as information becomes available in the future.

Gas and Oil Pipelines

The TID includes the location of major oil and gas transmission lines, formatted in accessory GIS layers to the database. The Gas500 layer was obtained from local utilities and is current as of 1999. The Oil pipeline layer was obtained from a provincial oil company and is current as of 1999.

Storm Water Management Ponds

The TID includes available information on storm water management ponds obtained from the City of Waterloo and the RMOW design and construction department. Information includes SWM pond locations, names, the body of water the pond discharges to, parties in charge of maintenance and the year the pond was constructed.

Waste Water Treatment Plants

The location of the municipal waste water treatment plants is included as an accessory layer in the TID. These locations are considered as locations of discharge to surface water

3 Database Overview

3.1 Overview of Database Structure

The TID exists as a structured database containing both spatial and attribute data for all records. The database is structured into one main table (“tblTHREATS”), a number of secondary data tables, and a number of look-up reference tables. A schematic of the database is given in Figure 2.

Summary information for each “threat” record is stored in the “tblTHREATS” table- fields include business/activity name, address, spatial location (map coordinates), threat ranking, and indicator codes for reliability of data.

Each dataset is represented by a secondary table, which is linked to the tblTHREATS table using a unique identifier number for each threat record. Secondary tables are designed, as much as possible, to retain the fields present in the original source data. The fields and data in each secondary table are different, for example the secondary table for Retail Fuel Storage Tanks contains information on tank volume and this information is obviously not present in the Dun & Bradstreet table or any other secondary table.

Reference information is stored in a number of look-up tables, for example the description and threat ranking for each North American Industry Classification System code is stored in the NAICS look-up table. A detailed description of the database tables, fields, and structure is given in the TID Database Design Report and Users’ Manual (RMOW 2006).

The TID is designed for flexibility, to be useful to a wide range of users. Data is stored in structured database format (ORACLE) and can be used by a variety of Database or GIS programs including Microsoft Access, MapInfo, ArcGIS, etc.

Each threat record is stored as a separate data point in the TID, with a total of over 30,000 data points. Recognizing that different users will have varying needs for detailed data or summary information, the database is designed to support customized views of data, to simplify or eliminate information for certain users. For example, users can choose to see all data points for a given parcel of land, as illustrated in Figure 3. Alternatively, a user may create a view to present

only the highest-threat ranking information for each parcel, as illustrated in Figure 4. This flexibility is in keeping with the objective to make the TID useful to a wide variety of users in the Region.

4 Threat Ranking

4.1 *Ranking Rationale*

The primary objective of the TID was to support the Region's source water protection activities, however secondary uses of the TID include land-use planning (site redevelopment, brownfields), infrastructure planning (road and public works construction), and public health (contamination issues). Uses of the TID range from detailed assessments of all available data relating to a single land parcel (such as assessment of the potential sources of groundwater contamination discovered in a specific location), to reconnaissance-scale assessment of potential threats throughout a larger area (such as investigating the potential for solvent contamination in a Well Head Protection Area). The threat ranking approach used by the Region has been designed to provide information useful to all the various users of the TID.

The Region has used a previous version of the TID (see Section 1) for over 10 years. During this time, experience has shown that the threat ranking is most useful and effective if:

- Rankings are kept to simple categories such as High, Medium and Low threat
- The assumptions and limitations of the threat rankings are clearly communicated to users of the TID.

Also, experience has shown that

- Rankings established to meet source water protection goals are also relevant and applicable to other TID uses (Planning, Health, etc.) with often no need to adjust the threat rankings for these other uses.

In keeping with the flexible design of the TID, individual threat rankings have been established for each data point in the database. For any given parcel this potentially results in several data points, each with an individual threat rank. For many TID users, the maximum (highest threat) rank for any given parcel is of interest and customized views of the data can be constructed to present this threat information.

For example, a parcel may have entries in the TID relating to changing land uses over time:

- Metal manufacturing industry in the 1950s (threat rank High)
- Plastics manufacturer in the 1990s (threat rank Medium)
- 1990s listing as hazardous waste generator (threat rank High)
- Current use as Retail storage industry (threat rank Low)

The TID is designed to make available all four threat ranks for the parcel (as well as the underlying data), however a user may enable a customized view to present one rank per property if desired. In this example, the customized view might present the highest threat per parcel (High), or the current land-use threat ranking per parcel (Low).

The threat rankings are intended to provide a qualitative measure of the **potential** for significant contamination of soil or water at a site. Significant in this case means contamination that could impact municipal groundwater supplies (but also is generally relevant to impacts to human health or property). With the exceptions noted in the next section (“known” rank), the TID threat ranks only refer to the theoretical potential for contamination impacts, and this is a key concept to be

understood by TID users. Site-specific investigations are necessary to determine the actual practices in use, or the condition of soil or groundwater, at any land parcel.

Threat rankings are based on the land-use activities likely to occur (or likely to have occurred in the past) at a property. Examples of activities include handling or storage of chemicals or waste, fuel handling or storage, equipment maintenance using chemicals, etc. Threat rankings do not take into account site-specific “best management practices” or local geology such as clay soils, which might mitigate risks of contamination.

The threat rank categories used in the TID are:

- High
- Medium
- Low
- "Known"
- No Category

High: this category designates the greatest threat for significant soil or groundwater contamination. Examples include industries which typically use chlorinated solvents, storage/handling sites with recalcitrant chemicals which are hazardous to drinking water at low concentrations such as PCBs and pesticides, sites with storage of sewage or biological wastes, or sites with bulk storage of fuels, salt, or agricultural chemicals or nutrients. The High threat ranking generally designates the potential presence of substances which can cause serious drinking water contamination even at low concentrations and which are recalcitrant (e.g. do not naturally attenuate or degrade), or the potential presence of larger quantities of any contaminant including fuels, metals, or salt.

Medium- this category designates a moderate threat for significant soil or groundwater contamination. Examples include industries which typically use or store fuels or perform equipment maintenance. The Medium threat ranking generally designates the potential presence of substances which can cause drinking water contamination even at low concentrations but which may be present in small amounts or which may naturally attenuate or degrade, such as smaller volumes of fuels, metals, etc.

Low- this category designates little to no threat for significant soil or groundwater contamination. Examples include homes, "white collar" office uses, and wholesale or retail operations with no fuel or chemical storage.

"Known" – this category designates sites where there is information available to the Region about site contamination. The information can relate to either past or present conditions where groundwater or soil contamination (at levels above regulatory guidelines for potable water conditions) has been documented. This category also relates to sites with past or present waste disposal (dumps, landfills etc). Sites included in the Known category must be assessed individually according to the available information: the degree of contamination varies considerably from site to site, the understanding of site conditions can change considerably as newer information is uncovered, and sites in this category may have been partially or totally remediated with a resulting decrease of threat or risk. It is important to note that the Known category does not include all sites with documented contamination - only those sites where

information has been provided to the Region - expected to be only some of the current or formerly contaminated sites. Municipalities have only very limited legal authority to require site owners to provide information on soil and groundwater contamination, therefore it is expected that the "known" category will comprise an incomplete listing and the information available for each site may be incomplete or out-of-date. The Known category is not an indication of "brownfields" as many sites are in productive use (and contamination may have been controlled or remediated). Despite all the above limitations, the "known" category of data has been very useful in previous versions of the TID.

No Category: this category is currently used for some data points where rankings have not yet been assigned, generally data from the Spills table. Since spill reports cover a wide variety of conditions, including small spills of soapy water (rank Low), odour complaints (rank Low), discovery of historical soil contamination (rank Known), and spills of industrial chemicals (rank High or Known), it is difficult to efficiently assign threat ranks to the spills data. Currently the Region is using spills data only on a site by site basis, and further work will be required to qualitatively assign threat ranks to this data.

4.2 Technical Supporting Information

The Region has collected considerable supporting information regarding land-use categories and the common use of potential contaminants by different industrial sectors. The supporting information used includes:

1. Regional Municipality of Waterloo By-Law 00-071 considered research results and land use descriptions applicable for zoning etc., in the context of groundwater protection and new industrial facilities, and lists three categories of threat (A,B,C) with A being the greatest threat to water resources. Low threat land uses were not categorized. (RMOW, 2000).
2. The Region commissioned studies which analyzed site-specific information on industrial and chemical use to develop threat rankings for manufacturing industries by industrial sector. Low threat industries were not categorized. Threats were ranked as category 1, 2, 3, 4, or 5 (1 = higher threat, 5 = lesser threat, not categorized = low threat). The data assessed included information on typical plant processes, products produced, materials used and waste produced. Information sources were a USEPA database, the NPRI (Canadian National Pollutant Release Inventory) database, and the internal data files of the commissioned engineering firm. (CG&S 1999 and 2000).
3. The original Region inventory study (CH2M Hill, 1997) developed a numerical threat ranking of landuses based on the Ontario Fuel storage tank database, Ontario Database of Hazardous Waste Generators, and other information. The ranking was developed on a site by site basis for individual industries in the Region of Waterloo, based on the available information and using numerical equations to factor in volumes of fuel and waste storage and similar information.
4. The Region commissioned a study by the Ontario Centre for Environmental Technology Advancement (OCETA) to provide technical data on RMOW industry sectors likely to benefit from pollution prevention programs. This study compiled data from a number of

US and Canadian reports and data surveys including environmental impacts associated with various industry sectors (OCETA, 2000).

5. The Region accessed site-specific information from on-site inspections of 49 local industrial facilities, derived from confidential files from the Region's Business Water Quality Program (BWQP)- a voluntary source water protection incentive program. Information on plant products, activities, and wastes at 49 facilities, derived from BWQP Facility Assessments, was compared to information tabulated in the CG&S studies. (Hickling et. al, 2006).
6. The RMOW Environmental Sites Listing (204 sites) was assessed as to land-use description and industry sector and the associated soil/water contamination. This information was used to supplement the threat rankings.

4.3 Ranking Method

The method used to assign a threat rank to each threat record in the TID followed two main steps. The first step assigned a threat rank to a record based on information of actual chemical or waste use at a site. The second step assigned threat rank based on land-use (industry sector).

In the first step, threat ranks were assigned to those records derived from data directly indicating storage of potential contaminants (permits or records of chemical use, records of chemical discharges, fuel storage permits, waste storage permits, etc.) A threat rank of "high" was assigned to all records in the Certificates of Approval – Waste Disposal, Pesticides, Retail Fuel Storage Tanks, and Waste Generators tables.

A separate category of "known" has been established and assigned to all TID records derived from the Landfill and the Environmental Sites Listing tables (see Section 4.1).

In the second step, threat ranks were assigned to most of the remaining records based on categorization of land-use by industrial sector. Concordance tables of threat rank versus industry categorization were developed for common industry code schemes: Canadian Standard Industrial Code classification (SIC-E 1980), the Canadian North American Industry Classification System (NAICS 2002) classification, and the municipal tax code classification. The SIC system has been replaced by the NAICS classification; however it is difficult to translate from SIC to NAICS. Therefore, a separate ranking concordance was developed for each system in order to rank older data sets which were classified according to SIC.

Each industry sector category in each of the three classification systems (SIC-E 1980 Canada, Canadian NAICS 2002, and Property Code) was ranked using the information listed in section 4.2 (items 1 through 6). Assigned threat ranks were High, Medium, or Low (see the descriptions of these ranks in Section 4.1). In all, approximately 2800 different industry categories were each assigned a TID threat rank. The threat rank concordance tables are included as Appendix A to this report, and as look-up tables in the TID.

Records derived from the RMOW Environmental Incident Reports were not ranked according to this process, and were assigned a rank of "No Category". Currently the Region is using this data

only on a site by site basis, and further work will be required to qualitatively assign threat ranks to this data.

4.4 Ranking Results

The percentage of TID records assigned to each rank (for the current database) is given below:

THREAT RANK	PERCENTAGE OF RECORDS	NUMBER OF RECORDS
LOW	48.5	13,986
MEDIUM	16.2	4,656
HIGH	30.9	8,897
KNOWN	0.9	249
NO CATEGORY	3.5	1,014

To illustrate the density of information for the Region of Waterloo, a map of highest threat rank per site is given in Figure 5.

A relatively high percentage (30%) of threats are ranked as “high” threat. This is expected since many data sources selected for the TID were chosen because they would indicate sites with a higher potential to be a source of groundwater contamination.

The large number of threat records with a “low” ranking (48%) is due to the use of the Dunn and Bradstreet databases in the source data. These databases contain business listings of all industry sectors and therefore contain a large percentage of businesses which are not expected to be a significant threat to groundwater quality.

5 TID Limitations

The TID is expected to be most useful if the users understand the objectives, assumptions, and limitations of the data and the threat rankings. Technical limitations are given in more detail in the TID Database Design Report and Users' Manual (RMOW, 2006). General limitations are given below:

- **Completeness of the database:** the TID is a reconnaissance-scale inventory and is not expected to contain all relevant data for all properties. If detailed, current, and complete data is required for specific purposes then a door-to-door survey or other method of data verification may be required in addition to the TID.
- **Currency of the data:** the TID data is expected to be maintained and updated over time but is not designed to be continuously updated. Therefore information on land use practices etc. may not be current.
- **Accuracy of the data:** the TID relies primarily on available databases, which may be incomplete or inaccurate. Data has been screened to discard or improve inaccurate records but inaccuracies still exist. In particular, geographic location data may be imprecise due to inaccurate property addresses in the original databases. Also, 15% of the TID database records have not been assigned map coordinates, meaning that there are unmappable features missing from the GIS view.
- **Generic nature of the threat rankings:** threat rankings have been developed based on current understanding of practices by industry sectors. Rankings do not consider site-specific practices such as Best Management Practices (equipment, environmental policies, etc.). Threat rankings indicate the potential for source water contamination and not actual contamination.
- **Due to the sensitive nature of the data housed in the TID,** it is intended for use by qualified users for internal purposes. Data is subject to licensing agreements and the Municipal Freedom of Information and Protection of Privacy Act and should not be released except under the appropriate provisions to be developed on a case by case basis.

6 Recommendations

6.1 Database Maintenance

The TID is intended to be maintained as a reconnaissance-level inventory of threats and periodic updating of data sets will be needed to maintain the effectiveness and reliability of the TID for its current objectives. Based on current uses of the TID the following schedule for updating and maintenance is recommended. However, this schedule should be adjusted appropriately if the use or objectives of the TID changes over time.

- update the Environmental Sites (ESI listing) and Landfills information on a continuing basis, as new information is provided to Water Services.
- update datasets on Provincial chemical/fuel/waste permits at 5 year periods. New data is to be added to the TID and previous data retained. This includes datasets for Certificates of Approval, Pesticides, Retail Fuel Storage Tanks, and Ontario Waste Generators data.
- update datasets on Regional “high” threat information on a yearly basis: this includes Salvage Yards and RMOW Environmental Incident Reports
- update information on land-use by industrial sector at 10 year intervals. Previously the Dun & Bradstreet database was purchased for this purpose. In the future, municipal zoning by-law information (if available in database format) or property tax code information should be considered for this purpose. These datasets are more commonly available in digital format, and the accuracy of these datasets may in the future be appropriate for use in the TID. This would avoid the high cost and privacy/licencing issues associated with use of the D&B database.
- The MOE Listing of orders, approvals or certificates of property use (EPA section 19) should be requested at regular intervals and the Environmental Sites Information table updated with any new information.

6.2 Additional Data

It is recommended to add new data sets on chemical use and storage to the TID, should this information become available in database format from Provincial authorities. Relevant provincial data are described below.

- Licences and permits for pesticide use or storage (currently only permits for pesticide applications to water bodies were available)
- A Listing of Certificates of Approval issued under the Environmental Protection Act:
 - *EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)*. These Certificates of Approval are issued for activities including injection of remediation compounds into the subsurface (relevant as an indicator of soil/groundwater contamination); remediation of groundwater at industrial sites; operation of fume hoods, ventilation units, and other air discharges (relevant as an indicator of the use or storage of chemicals or hazardous materials e.g. paints, solvents, volatile chemicals, also as an indicator of manufacturing activities).

- A Listing of Certificates of Approval issued under the Ontario Water Resources Act:
 - OWRA s. 53(1) - Approval for sewage works
- listing of properties with Records of Site Condition

7 References

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Regional Municipality of Waterloo (2004) Strategic Focus 2004-2006 document
www.region.waterloo.on.ca

Technical Standards and Safety Authority (TSSA) <http://www.tssa.org/>

FIGURES

Figure 1: The Regional Municipality of Waterloo

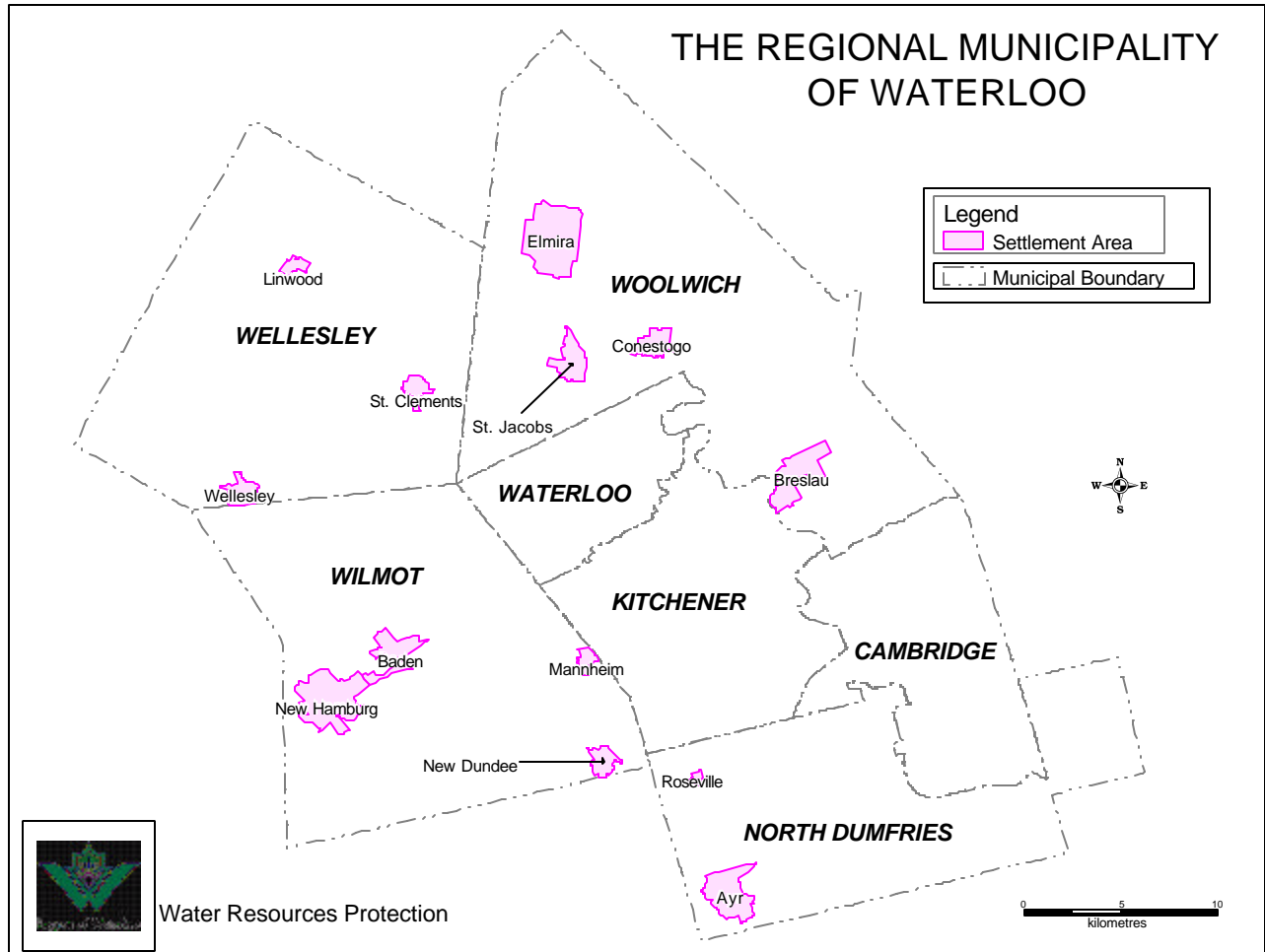


Figure 3: Example TID view showing all available information

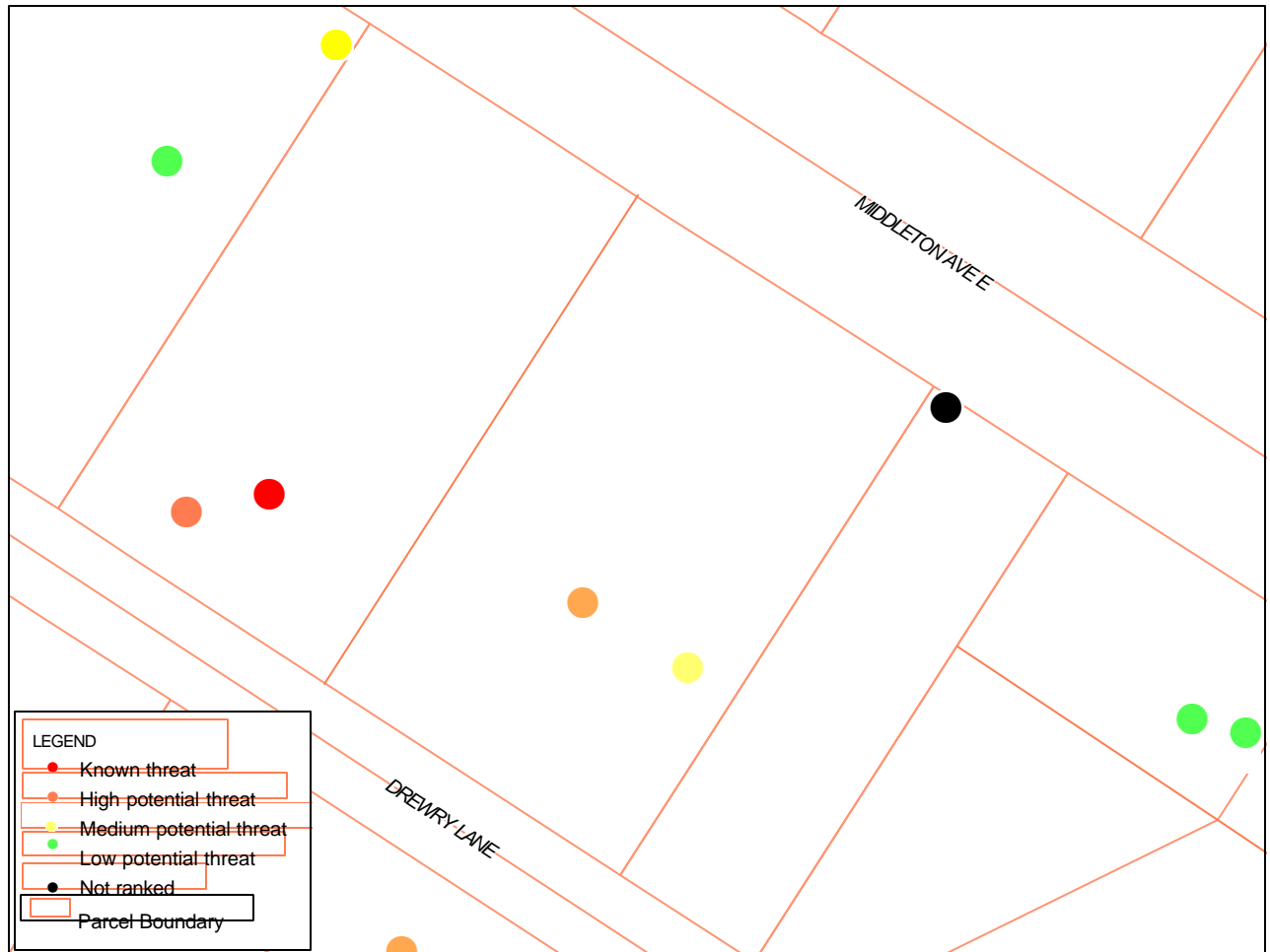


Figure 4: Example TID view showing highest threat rank per property.

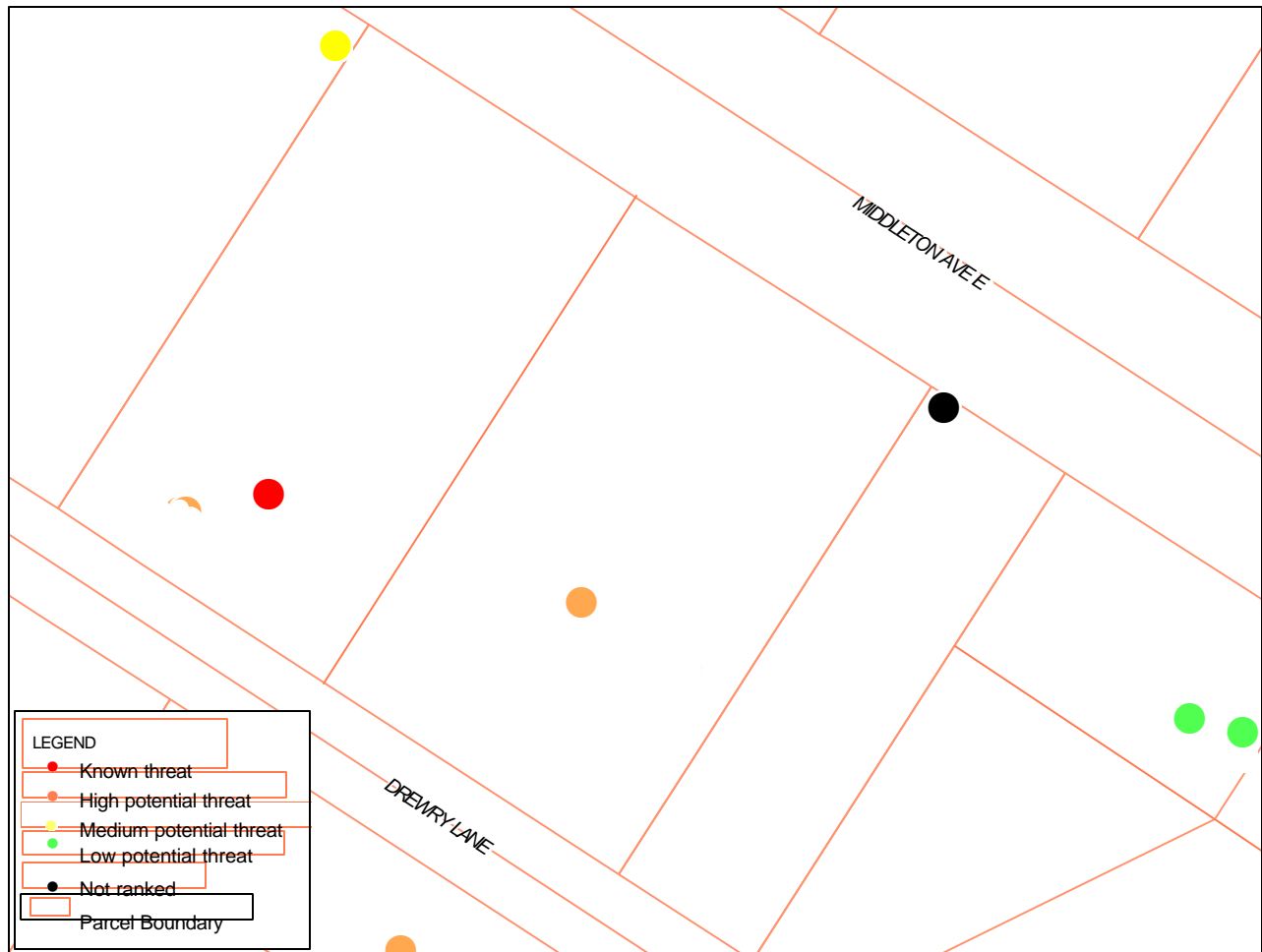
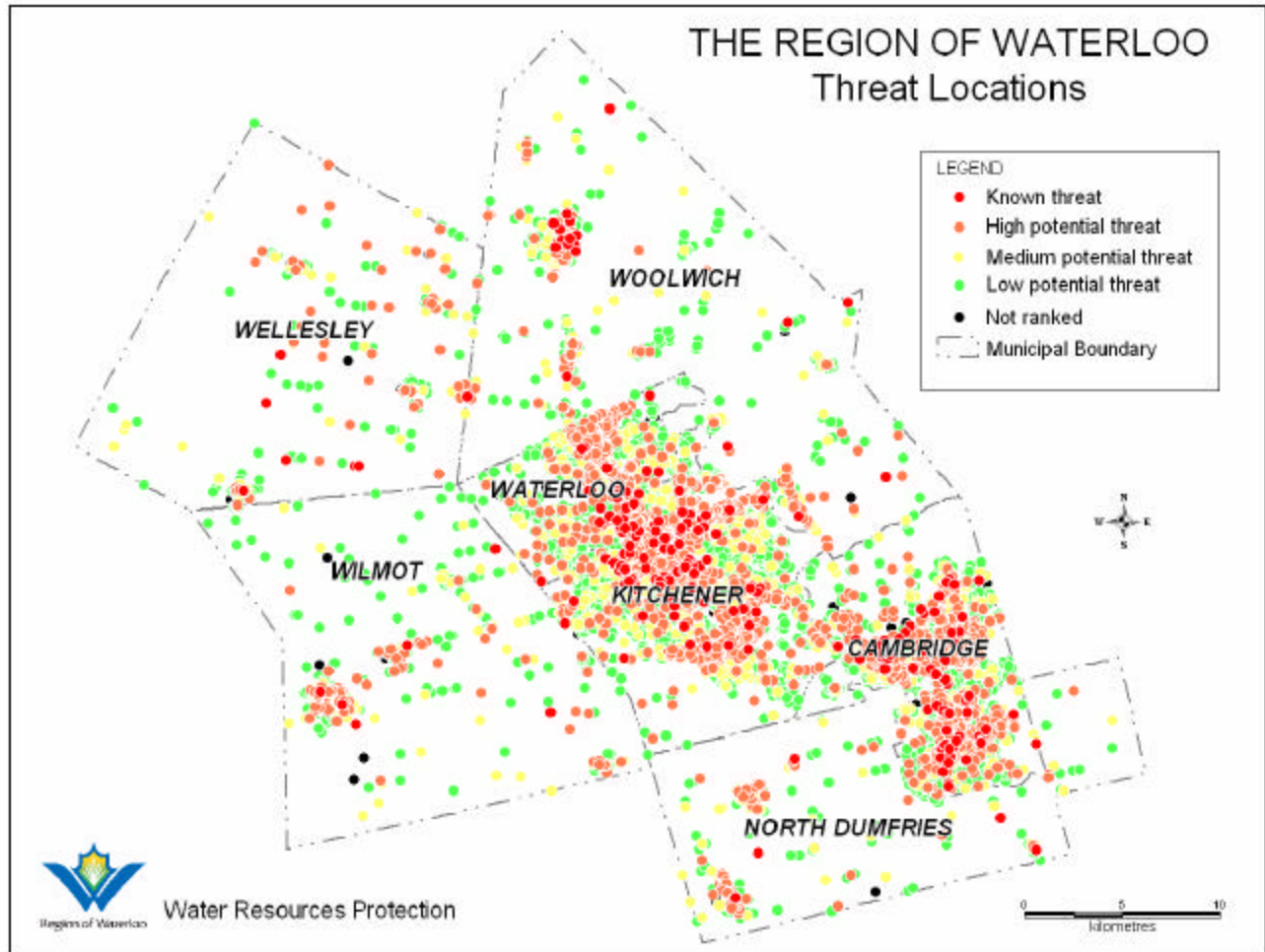


Figure 5: Region of Waterloo Threat Locations (highest threat per property shown).



Appendix A: Threat Ranks by NAICS Code

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
1111	11111	111110	Soybean Farming	No Category	see Rural Threats Inventory
1111	11112	111120	Oilseed (except Soybean) Farming	No Category	see Rural Threats Inventory
1111	11113	111130	Dry Pea and Bean Farming	No Category	see Rural Threats Inventory
1111	11114	111140	Wheat Farming	No Category	see Rural Threats Inventory
1111	11115	111150	Corn Farming	No Category	see Rural Threats Inventory
1111	11116	111160	Rice Farming	No Category	see Rural Threats Inventory
1111	11119	111190	Other Grain Farming	No Category	see Rural Threats Inventory
1112	11121	111210	Vegetable and Melon Farming	No Category	see Rural Threats Inventory
1112	11121	111211	Potato Farming	No Category	see Rural Threats Inventory
1112	11121	111219	Other Vegetable (except Potato) and Melon Farming	No Category	see Rural Threats Inventory
1113	11131	111310	Orange Groves	No Category	see Rural Threats Inventory
1113	11132	111320	Citrus (except Orange) Groves	No Category	see Rural Threats Inventory
1113	11133	111330	Non-Citrus Fruit and Tree Nut Farming	No Category	see Rural Threats Inventory
1114	11141	111410	Food Crops Grown Under Cover	No Category	see Rural Threats Inventory
1114	11141	111411	Mushroom Production	No Category	see Rural Threats Inventory
1114	11141	111419	Other Food Crops Grown Under Cover	No Category	see Rural Threats Inventory
1114	11142	111420	Nursery and Floriculture Production	No Category	see Rural Threats Inventory
1114	11142	111421	Nursery and Tree Production	No Category	see Rural Threats Inventory
1114	11142	111422	Floriculture Production	No Category	see Rural Threats Inventory
1119	11191	111910	Tobacco Farming	No Category	see Rural Threats Inventory
1119	11192	111920	Cotton Farming	No Category	see Rural Threats Inventory
1119	11193	111930	Sugar-e Farming	No Category	see Rural Threats Inventory
1119	11194	111940	Hay Farming	No Category	see Rural Threats Inventory
1119	11199	111990	All Other Crop Farming	No Category	see Rural Threats Inventory
1119	11199	111993	Fruit and Vegetable Combination Farming	No Category	see Rural Threats Inventory
1119	11199	111999	All Other Miscellaneous Crop Farming	No Category	see Rural Threats Inventory
1121	11211	112110	Beef Cattle Ranching and Farming, including Feedlots	No Category	see Rural Threats Inventory
1121	11212	112120	Dairy Cattle and Milk Production	No Category	see Rural Threats Inventory
1122	11221	112210	Hog and Pig Farming	No Category	see Rural Threats Inventory
1123	11231	112310	Chicken Egg Production	No Category	see Rural Threats Inventory
1123	11232	112320	Broiler and Other Meat-Type Chicken Production	No Category	see Rural Threats Inventory
1123	11233	112330	Turkey Production	No Category	see Rural Threats Inventory
1123	11234	112340	Poultry Hatcheries	No Category	see Rural Threats Inventory
1123	11239	112390	Other Poultry Production	No Category	see Rural Threats Inventory
1123	11239	112391	Combination Poultry and Egg Production	No Category	see Rural Threats Inventory
1123	11239	112399	All Other Poultry Production	No Category	see Rural Threats Inventory
1124	11241	112410	Sheep Farming	No Category	see Rural Threats Inventory
1124	11242	112420	Goat Farming	No Category	see Rural Threats Inventory
1125	11251	112510	Animal Aquaculture	No Category	see Rural Threats Inventory
1129	11291	112910	Apiculture	No Category	see Rural Threats Inventory
1129	11292	112920	Horse and Other Equine Production	No Category	see Rural Threats Inventory
1129	11293	112930	Fur-Bearing Animal and Rabbit Production	No Category	see Rural Threats Inventory
1129	11299	112990	All Other Animal Production	No Category	see Rural Threats Inventory
1129	11299	112991	Animal Combination Farming	No Category	see Rural Threats Inventory
1129	11299	112999	All Other Miscellaneous Animal Production	No Category	see Rural Threats Inventory
1131	11311	113110	Timber Tract Operations	Low	
1132	11321	113210	Forest Nurseries and Gathering of Forest Products	Low	
1133	11331	113310	Logging	Low	
1133	11331	113311	Logging (except Contract)	Low	
1133	11331	113312	Contract Logging	Low	
1141	11411	114110	Fishing	Low	
1141	11411	114113	Salt Water Fishing	Low	
1141	11411	114114	Inland Fishing	Low	
1142	11421	114210	Hunting and Trapping	Low	
1151	11511	115110	Support Activities for Crop Production	High	Bulk chemical storage (pesticides incl. herbicides)

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
1152	11521	115210	Support Activities for Animal Production	High	Chemical storage (veterinary chemicals)
1153	11531	115310	Support Activities for Forestry	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2111	21111	211110	Oil and Gas Extraction	High	Bulk Petroleum storage, chemical storage
2111	21111	211113	Conventional Oil and Gas Extraction	High	Bulk Petroleum storage, chemical storage
2111	21111	211114	Non-Conventional Oil Extraction	High	Bulk Petroleum storage, chemical storage
2121	21211	212110	Coal Mining	High	Bulk wastes containing metals, acids, alkaline
2121	21211	212114	Bituminous Coal Mining	High	Bulk wastes containing metals, acids, alkaline
2121	21211	212115	Sub bituminous Coal Mining	High	Bulk wastes containing metals, acids, alkaline
2121	21211	212116	Lignite Coal Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21221	212210	Iron Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21222	212220	Gold and Silver Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21223	212230	Copper, Nickel, Lead and Zinc Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21223	212231	Lead-Zinc Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21223	212232	Nickel-Copper Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21223	212233	Copper-Zinc Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21229	212290	Other Metal Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21229	212291	Uranium Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2122	21229	212299	All Other Metal Ore Mining	High	Bulk wastes containing metals, acids, alkaline
2123	21231	212310	Stone Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21231	212314	Granite Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21231	212315	Limestone Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21231	212316	Marble Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21231	212317	Sandstone Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21232	212320	Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21232	212323	Sand and Gravel Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21232	212326	Shale, Clay and Refractory Mineral Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21239	212390	Other Non-Metallic Mineral Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2123	21239	212392	Diamond Mining	High	Bulk wastes containing metals, acids, alkaline
2123	21239	212393	Salt Mining	High	Bulk wastes containing metals, acids, alkaline
2123	21239	212394	Asbestos Mining	High	Bulk wastes containing metals, acids, alkaline
2123	21239	212395	Gypsum Mining	High	Bulk wastes containing metals, acids, alkaline
2123	21239	212396	Potash Mining	High	Bulk wastes containing metals, acids, alkaline
2123	21239	212397	Peat Extraction	Low	
2123	21239	212398	All Other Non-Metallic Mineral Mining and Quarrying	Medium	Fuel storage, waste storage, de-icing, dust suppression
2131	21311	213110	Support Activities for Mining and Oil and Gas Extraction	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2131	21311	213111	Oil and Gas Contract Drilling	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2131	21311	213117	Contract Drilling (except Oil and Gas)	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2131	21311	213118	Services to Oil and Gas Extraction	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2131	21311	213119	Other Support Activities for Mining	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2211	22111	221110	Electric Power Generation	High	Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
2211	22111	221111	Hydro-Electric Power Generation	High	Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
2211	22111	221112	Fossil-Fuel Electric Power Generation	High	Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
2211	22111	221113	Nuclear Electric Power Generation	High	Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
2211	22111	221119	Other Electric Power Generation	High	Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
2211	22112	221120	Electric Power Transmission, Control and Distribution	High	Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
2211	22112	221121	Electric Bulk Power Transmission and Control	High	Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
2211	22112	221122	Electric Power Distribution	High	Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
2212	22121	221210	Natural Gas Distribution	Medium	Fuel storage, equipment maintenance products
2213	22131	221310	Water Supply and Irrigation Systems	Medium	Fuel storage, equipment maintenance products
2213	22132	221320	Sewage Treatment Facilities	Medium	Fuel storage, equipment maintenance products
2213	22133	221330	Steam and Air-Conditioning Supply	Medium	Fuel storage, equipment maintenance products
2361	23611	236110	Residential Building Construction	Low	
2362	23621	236210	Industrial Building and Structure Construction	Medium	Fuel storage, equipment maintenance products
2362	23622	236220	Commercial and Institutional Building Construction	Medium	Fuel storage, equipment maintenance products

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
2371	23711	237110	Water and Sewer Line and Related Structures Construction	Medium	Fuel storage, equipment maintenance products
2371	23712	237120	Oil and Gas Pipeline and Related Structures Construction	Medium	Fuel storage, equipment maintenance products
2371	23713	237130	Power and Communication Line and Related Structures Construction	Medium	Fuel storage, equipment maintenance products
2372	23721	237210	Land Subdivision	Low	
2373	23731	237310	Highway, Street and Bridge Construction	Medium	Fuel storage, equipment maintenance products
2379	23799	237990	Other Heavy and Civil Engineering Construction	Medium	Fuel storage, equipment maintenance products
2381	23811	238110	Poured Concrete Foundation and Structure Contractors	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2381	23812	238120	Structural Steel and Precast Concrete Contractors	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2381	23813	238130	Framing Contractors	Low	
2381	23814	238140	Masonry Contractors	Low	
2381	23815	238150	Glass and Glazing Contractors	Medium	Chemicals associated with glazing
2381	23816	238160	Roofing Contractors	Low	
2381	23817	238170	Siding Contractors	Low	
2381	23819	238190	Other Foundation, Structure and Building Exterior Contractors	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2382	23821	238210	Electrical Contractors	Low	
2382	23822	238220	Plumbing, Heating and Air-Conditioning Contractors	Low	
2382	23829	238290	Other Building Equipment Contractors	Low	
2382	23829	238291	Elevator and Escalator Installation Contractors	Medium	Chemicals, wastes & fuels (acids, metals, solvents)
2382	23829	238299	All Other Building Equipment Contractors	Medium	Chemicals, wastes & fuels (acids, metals, solvents)
2383	23831	238310	Drywall and Insulation Contractors	Low	
2383	23832	238320	Painting and Wall Covering Contractors	Medium	Chemicals, wastes & fuels (glues, solvents, paints, dyes)
2383	23833	238330	Flooring Contractors	Low	
2383	23834	238340	Tile and Terrazzo Contractors	Low	
2383	23835	238350	Finish Carpentry Contractors	Low	
2383	23839	238390	Other Building Finishing Contractors	Low	
2389	23891	238910	Site Preparation Contractors	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
2389	23899	238990	All Other Specialty Trade Contractors	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
3111	31111	311110	Animal Food Manufacturing	Low	see CH2M Hill memo 9/29/00
3111	31111	311111	Dog and Cat Food Manufacturing	Low	see CH2M Hill memo 9/29/00
3111	31111	311119	Other Animal Food Manufacturing	Low	see CH2M Hill memo 9/29/00
3112	31121	311210	Flour Milling and Malt Manufacturing	Low	see CH2M Hill memo 9/29/00
3112	31121	311214	Rice Milling and Malt Manufacturing	Low	see CH2M Hill memo 9/29/00
3112	31122	311220	Starch and Vegetable Fat and Oil Manufacturing	Low	see CH2M Hill memo 9/29/00
3112	31122	311221	Wet Corn Milling	Low	see CH2M Hill memo 9/29/00
3112	31122	311224	Oilseed Processing	Low	see CH2M Hill memo 9/29/00
3112	31122	311225	Fat and Oil Refining and Blending	Low	see CH2M Hill memo 9/29/00
3112	31123	311230	Breakfast Cereal Manufacturing	Low	see CH2M Hill memo 9/29/00
3113	31131	311310	Sugar Manufacturing	Low	see CH2M Hill memo 9/29/00
3113	31132	311320	Chocolate and Confectionery Manufacturing from Cacao Beans	Low	see CH2M Hill memo 9/29/00
3113	31133	311330	Confectionery Manufacturing from Purchased Chocolate	Low	see CH2M Hill memo 9/29/00
3113	31134	311340	Non-Chocolate Confectionery Manufacturing	Low	see CH2M Hill memo 9/29/00
3114	31141	311410	Frozen Food Manufacturing	Low	see CH2M Hill memo 9/29/00
3114	31142	311420	Fruit and Vegetable nging, Pickling and Drying	Low	see CH2M Hill memo 9/29/00
3115	31151	311510	Dairy Product (except Frozen) Manufacturing	Low	see CH2M Hill memo 9/29/00
3115	31151	311515	Butter, Cheese, and Dry and Condensed Dairy Products Manufacturing	Low	see CH2M Hill memo 9/29/00
3115	31152	311520	Ice Cream and Frozen Dessert Manufacturing	Low	see CH2M Hill memo 9/29/00
3116	31161	311610	Animal Slaughtering and Processing	Low	see CH2M Hill memo 9/29/00
3116	31161	311611	Animal (except Poultry) Slaughtering	Low	see CH2M Hill memo 9/29/00
3116	31161	311614	Rendering and Meat Processing from Carcasses	Low	see CH2M Hill memo 9/29/00
3116	31161	311615	Poultry Processing	Low	see CH2M Hill memo 9/29/00
3117	31171	311710	Seafood Product Preparation and Packaging	Low	see CH2M Hill memo 9/29/00
3118	31181	311810	Bread and Bakery Product Manufacturing	Low	see CH2M Hill memo 9/29/00
3118	31181	311811	Retail Bakeries	Low	see CH2M Hill memo 9/29/00
3118	31181	311814	Commercial Bakeries and Frozen Bakery Product Manufacturing	Low	see CH2M Hill memo 9/29/00
3118	31182	311820	Cookie, Cracker and Pasta Manufacturing	Low	see CH2M Hill memo 9/29/00

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
3118	31182	311821	Cookie and Cracker Manufacturing	Low	see CH2M Hill memo 9/29/00
3118	31182	311822	Flour Mixes and Dough Manufacturing from Purchased Flour	Low	see CH2M Hill memo 9/29/00
3118	31182	311823	Dry Pasta Manufacturing	Low	see CH2M Hill memo 9/29/00
3118	31183	311830	Tortilla Manufacturing	Low	see CH2M Hill memo 9/29/00
3119	31191	311910	Snack Food Manufacturing	Low	see CH2M Hill memo 9/29/00
3119	31191	311911	Roasted Nut and Peanut Butter Manufacturing	Low	see CH2M Hill memo 9/29/00
3119	31191	311919	Other Snack Food Manufacturing	Low	see CH2M Hill memo 9/29/00
3119	31192	311920	Coffee and Tea Manufacturing	Low	see CH2M Hill memo 9/29/00
3119	31193	311930	Flavoring Syrup and Concentrate Manufacturing	Low	see CH2M Hill memo 9/29/00
3119	31194	311940	Seasoning and Dressing Manufacturing	Low	see CH2M Hill memo 9/29/00
3119	31199	311990	All Other Food Manufacturing	Low	see CH2M Hill memo 9/29/00
3121	31211	312110	Soft Drink and Ice Manufacturing	Low	see CH2M Hill memo 9/29/00
3121	31212	312120	Breweries	Low	see CH2M Hill memo 9/29/00
3121	31213	312130	Wineries	Low	see CH2M Hill memo 9/29/00
3121	31214	312140	Distilleries	Low	see CH2M Hill memo 9/29/00
3122	31221	312210	Tobacco Stemming and Redrying	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3122	31222	312220	Tobacco Product Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3131	31311	313110	Fibre, Yarn and Thread Mills	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3132	31321	313210	Broad-Woven Fabric Mills	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3132	31322	313220	Narrow Fabric Mills and Schiffli Machine Embroidery	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3132	31323	313230	Nonwoven Fabric Mills	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3132	31324	313240	Knit Fabric Mills	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3133	31331	313310	Textile and Fabric Finishing	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3133	31332	313320	Fabric Coating	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes, solvents, pesticides)
3141	31411	314110	Carpet and Rug Mills	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3141	31412	314120	Curtain and Linen Mills	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3149	31491	314910	Textile Bag and vas Mills	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3149	31499	314990	All Other Textile Product Mills	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3151	31511	315110	Hosiery and Sock Mills	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3151	31519	315190	Other Clothing Knitting Mills	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31521	315210	Cut and Sew Clothing Contracting	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31522	315220	Men's and Boys' Cut and Sew Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31522	315221	Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31522	315222	Men's and Boys' Cut and Sew Suit, Coat and Overcoat Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31522	315226	Men's and Boys' Cut and Sew Shirt Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31522	315227	Men's and Boys' Cut and Sew Trouser, Slack and Jean Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31522	315229	Other Men's and Boys' Cut and Sew Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31523	315230	Women's and Girls' Cut and Sew Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31523	315231	Women's and Girls' Cut and Sew Lingerie, Loungewear and Nightwear Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31523	315232	Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31523	315233	Women's and Girls' Cut and Sew Dress Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31523	315234	Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket and Skirt Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31523	315239	Other Women's and Girls' Cut and Sew Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31529	315290	Other Cut and Sew Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31529	315291	Infants' Cut and Sew Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31529	315292	Fur and Leather Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3152	31529	315299	All Other Cut and Sew Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3159	31599	315990	Clothing Accessories and Other Clothing Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3161	31611	316110	Leather and Hide Tanning and Finishing	High	Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
3162	31621	316210	Footwear Manufacturing	High	Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
3169	31699	316990	Other Leather and Allied Product Manufacturing	High	Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
3211	32111	321110	Sawmills and Wood Preservation	High	Chemical storage (wood preservation/treatment)
3211	32111	321111	Sawmills (except Shingle and Shake Mills)	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
3211	32111	321112	Shingle and Shake Mills	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3211	32111	321114	Wood Preservation	High	Chemical storage (wood preservation/treatment)
3212	32121	321210	Veneer, Plywood and Engineered Wood Product Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3212	32121	321211	Hardwood Veneer and Plywood Mills	Medium	Chemical storage (glues, solvents, paints, dyes)
3212	32121	321212	Softwood Veneer and Plywood Mills	Medium	Chemical storage (glues, solvents, paints, dyes)
3212	32121	321215	Structural Wood Product Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3212	32121	321216	Particle Board and Fibreboard Mills	Medium	Chemical storage (glues, solvents, paints, dyes)
3212	32121	321217	Wafer board Mills	Medium	Chemical storage (glues, solvents, paints, dyes)
3219	32191	321910	Millwork	Medium	Chemical storage (glues, solvents, paints, dyes)
3219	32191	321911	Wood Window and Door Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3219	32191	321919	Other Millwork	Medium	Chemical storage (glues, solvents, paints, dyes)
3219	32192	321920	Wood Container and Pallet Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3219	32199	321990	All Other Wood Product Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3219	32199	321991	Manufactured (Mobile) Home Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3219	32199	321992	Prefabricated Wood Building Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3219	32199	321999	All Other Miscellaneous Wood Product Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3221	32211	322110	Pulp Mills	High	Pulp manufacturing, waste products (black liquors etc.)
3221	32211	322111	Mechanical Pulp Mills	High	Pulp manufacturing, waste products (black liquors etc.)
3221	32211	322112	Chemical Pulp Mills	High	Pulp manufacturing, waste products (black liquors etc.)
3221	32212	322120	Paper Mills	High	Pulp manufacturing, waste products (black liquors etc.)
3222	32221	322210	Paperboard Container Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3222	32221	322211	Corrugated and Solid Fibre Box Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3222	32221	322212	Folding Paperboard Box Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3222	32221	322219	Other Paperboard Container Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3222	32222	322220	Paper Bag and Coated and Treated Paper Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3222	32223	322230	Stationery Product Manufacturing	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3222	32229	322290	Other Converted Paper Product Manufacturing	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3222	32229	322291	Sanitary Paper Product Manufacturing	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3222	32229	322299	All Other Converted Paper Product Manufacturing	Medium	Chemicals, wastes & fuels (acids, alkalis, dyes)
3231	32311	323110	Printing	Medium	Chemicals, wastes & fuels (inks, solvents)
3231	32311	323113	Commercial Screen Printing	Medium	Chemicals, wastes & fuels (inks, solvents)
3231	32311	323114	Quick Printing	Medium	Chemicals, wastes & fuels (inks, solvents)
3231	32311	323115	Digital Printing	Medium	Chemicals, wastes & fuels (inks, solvents)
3231	32311	323116	Manifold Business Forms Printing	Medium	Chemicals, wastes & fuels (inks, solvents)
3231	32311	323119	Other Printing	Medium	Chemicals, wastes & fuels (inks, solvents)
3231	32312	323120	Support Activities for Printing	Medium	Chemicals, wastes & fuels (inks, solvents)
3241	32411	324110	Petroleum Refineries	High	Bulk Petroleum storage, chemical storage
3241	32412	324120	Asphalt Paving, Roofing and Saturated Materials Manufacturing	High	Bulk Petroleum storage, chemical storage
3241	32412	324121	Asphalt Paving Mixture and Block Manufacturing	High	Bulk Petroleum storage, chemical storage
3241	32412	324122	Asphalt Shingle and Coating Material Manufacturing	High	Bulk Petroleum storage, chemical storage
3241	32419	324190	Other Petroleum and Coal Products Manufacturing	High	Bulk Petroleum storage, chemical storage
3251	32511	325110	Petrochemical Manufacturing	High	Bulk Petroleum storage, chemical storage
3251	32512	325120	Industrial Gas Manufacturing	High	Bulk Petroleum storage, chemical storage
3251	32513	325130	Synthetic Dye and Pigment Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes
3251	32518	325180	Other Basic Inorganic Chemical Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes
3251	32518	325181	Alkali and Chlorine Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes
3251	32518	325189	All Other Basic Inorganic Chemical Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes
3251	32519	325190	Other Basic Organic Chemical Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes
3252	32521	325210	Resin and Synthetic Rubber Manufacturing	Medium	Chemicals, wastes & fuels (plasticizers, dyes, metal compounds)
3252	32522	325220	Artificial and Synthetic Fibres and Filaments Manufacturing	High	Chemicals, wastes & fuels (acids, alkalis, dyes)
3253	32531	325310	Fertilizer Manufacturing	High	Bulk chemical storage (pesticides incl. herbicides)
3253	32531	325313	Chemical Fertilizer (except Potash) Manufacturing	High	Bulk chemical storage, fuel storage, equipment maintenance
3253	32531	325314	Mixed Fertilizer Manufacturing	High	Bulk chemical storage (pesticides incl. herbicides)
3253	32532	325320	Pesticide and Other Agricultural Chemical Manufacturing	High	Bulk chemical storage (pesticides incl. herbicides)
3254	32541	325410	Pharmaceutical and Medicine Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
3255	32551	325510	Paint and Coating Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes
3255	32552	325520	Adhesive Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes
3256	32561	325610	Soap and Cleaning Compound Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3256	32562	325620	Toilet Preparation Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3259	32591	325910	Printing Ink Manufacturing	High	Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
3259	32592	325920	Explosives Manufacturing	High	Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
3259	32599	325990	All Other Chemical Product Manufacturing	High	Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
3259	32599	325991	Custom Compounding of Purchased Resins	High	Bulk chemical use/storage, organic & inorganic wastes
3259	32599	325999	All Other Miscellaneous Chemical Product Manufacturing	High	Bulk chemical use/storage, organic & inorganic wastes
3261	32611	326110	Plastics Packaging Materials and Unlaminated Film and Sheet Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32611	326111	Plastics Bag Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32611	326114	Plastic Film and Sheet Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32612	326120	Plastics Pipe, Pipe Fitting, and Unlaminated Profile Shape Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32612	326121	Unlaminated Plastics Profile Shape Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32612	326122	Plastic Pipe and Pipe Fitting Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32613	326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32614	326140	Polystyrene Foam Product Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32615	326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32616	326160	Plastic Bottle Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32619	326190	Other Plastic Product Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32619	326191	Plastic Plumbing Fixture Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32619	326193	Motor Vehicle Plastic Parts Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3261	32619	326198	All Other Plastic Product Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3262	32621	326210	Tire Manufacturing	Medium	Chemicals, wastes & fuels (plasticizers, dyes, metal compounds)
3262	32622	326220	Rubber and Plastic Hose and Belting Manufacturing	Medium	Chemicals, wastes & fuels (plasticizers, dyes, metal compounds)
3262	32629	326290	Other Rubber Product Manufacturing	Medium	Chemicals, wastes & fuels (plasticizers, dyes, metal compounds)
3271	32711	327110	Pottery, Ceramics and Plumbing Fixture Manufacturing	Medium	Chemical/fuel storage, equipment maintenance
3271	32712	327120	Clay Building Material and Refractory Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3272	32721	327210	Glass and Glass Product Manufacturing	Medium	Chemicals associated with glazing
3272	32721	327214	Glass Manufacturing	Medium	Chemicals associated with glazing
3272	32721	327215	Glass Product Manufacturing from Purchased Glass	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3273	32731	327310	Cement Manufacturing	Medium	Chemicals, wastes & fuels (acids, alkalis, metals, solvents)
3273	32732	327320	Ready-Mix Concrete Manufacturing	Medium	Chemicals, wastes & fuels (acids, alkalis, metals, solvents)
3273	32733	327330	Concrete Pipe, Brick and Block Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3273	32739	327390	Other Concrete Product Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3274	32741	327410	Lime Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3274	32742	327420	Gypsum Product Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3279	32791	327910	Abrasive Product Manufacturing	Medium	Chemicals, wastes & fuels (acids, alkalis, metals, solvents)
3279	32799	327990	All Other Non-Metallic Mineral Product Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3311	33111	331110	Iron and Steel Mills and Ferro-Alloy Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3312	33121	331210	Iron and Steel Pipes and Tubes Manufacturing from Purchased Steel	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3312	33122	331220	Rolling and Drawing of Purchased Steel	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3312	33122	331221	Cold-Rolled Steel Shape Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3312	33122	331222	Steel Wire Drawing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3313	33131	331310	Alumina and Aluminum Production and Processing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3313	33131	331313	Primary Production of Alumina and Aluminum	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3313	33131	331317	Aluminum Rolling, Drawing, Extruding and Alloying	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3314	33141	331410	Non-Ferrous Metal (except Aluminum) Smelting and Refining	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3314	33142	331420	Copper Rolling, Drawing, Extruding and Alloying	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3314	33149	331490	Non-Ferrous Metal (except Copper and Aluminum) Rolling, Drawing, Extruding and Alloying	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3315	33151	331510	Ferrous Metal Foundries	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3315	33151	331511	Iron Foundries	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
3315	33151	331514	Steel Foundries	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3315	33152	331520	Non-Ferrous Metal Foundries	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3315	33152	331523	Non-Ferrous Die-Casting Foundries	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3315	33152	331529	Non-Ferrous Foundries (except Die-Casting)	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3321	33211	332110	Forging and Stamping	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3321	33211	332113	Forging	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3321	33211	332118	Stamping	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3322	33221	332210	Cutlery and Hand Tool Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3323	33231	332310	Plate Work and Fabricated Structural Product Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3323	33231	332311	Prefabricated Metal Building and Component Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3323	33231	332314	Concrete Reinforcing Bar Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3323	33231	332319	Other Plate Work and Fabricated Structural Product Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3323	33232	332320	Ornamental and Architectural Metal Products Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3323	33232	332321	Metal Window and Door Manufacturing ()	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3323	33232	332329	Other Ornamental and Architectural Metal Products Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3324	33241	332410	Power Boiler and Heat Exchanger Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3324	33242	332420	Metal Tank (Heavy Gauge) Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3324	33243	332430	Metal , Box and Other Metal Container (Light Gauge) Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3324	33243	332431	Metal Can Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3324	33243	332439	Other Metal Container Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3325	33251	332510	Hardware Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3326	33261	332610	Spring and Wire Product Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3326	33261	332619	Other Fabricated Wire Product Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3327	33271	332710	Machine Shops	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3327	33272	332720	Turned Product and Screw, Nut and Bolt Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3328	33281	332810	Coating, Engraving, Heat Treating and Allied Activities	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3329	33291	332910	Metal Valve Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3329	33299	332990	All Other Fabricated Metal Product Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3329	33299	332991	Ball and Roller Bearing Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3329	33299	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3331	33311	333110	Agricultural Implement Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3331	33312	333120	Construction Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3331	33313	333130	Mining and Oil and Gas Field Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3332	33321	333210	Sawmill and Woodworking Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3332	33322	333220	Rubber and Plastics Industry Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3332	33329	333290	Other Industrial Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3332	33329	333291	Paper Industry Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3333	33331	333310	Commercial and Service Industry Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3334	33341	333410	Ventilation, Heating, Air-Conditioning and Commercial Refrigeration Equipment Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3334	33341	333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3334	33341	333416	Heating Equipment and Commercial Refrigeration Equipment Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3335	33351	333510	Metalworking Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3335	33351	333511	Industrial Mould Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3335	33351	333519	Other Metalworking Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3336	33361	333610	Engine, Turbine and Power Transmission Equipment Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3336	33361	333611	Turbine and Turbine Generator Set Unit Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3336	33361	333619	Other Engine and Power Transmission Equipment Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3339	33391	333910	Pump and Compressor Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3339	33392	333920	Material Handling Equipment Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3339	33399	333990	All Other General-Purpose Machinery Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3341	33411	334110	Computer and Peripheral Equipment Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3342	33421	334210	Telephone Apparatus Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
3342	33422	334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3342	33429	334290	Other Communications Equipment Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3343	33431	334310	Audio and Video Equipment Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3344	33441	334410	Semiconductor and Other Electronic Component Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3345	33451	334510	Navigational, Measuring, Medical and Control Instruments Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3345	33451	334511	Navigational and Guidance Instruments Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3345	33451	334512	Measuring, Medical and Controlling Devices Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3346	33461	334610	Manufacturing and Reproducing Magnetic and Optical Media	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3351	33511	335110	Electric Lamp Bulb and Parts Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3351	33512	335120	Lighting Fixture Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3352	33521	335210	Small Electrical Appliance Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3352	33522	335220	Major Appliance Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3352	33522	335223	Major Kitchen Appliance Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3352	33522	335229	Other Major Appliance Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3353	33531	335310	Electrical Equipment Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3353	33531	335311	Power, Distribution and Specialty Transformers Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3353	33531	335312	Motor and Generator Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3353	33531	335315	Switchgear and Switchboard, and Relay and Industrial Control Apparatus Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3359	33591	335910	Battery Manufacturing	High	Wet batteries incl. metals, acids
3359	33592	335920	Communication and Energy Wire and Cable Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3359	33593	335930	Wiring Device Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3359	33599	335990	All Other Electrical Equipment and Component Manufacturing	High	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
3361	33611	336110	Automobile and Light-Duty Motor Vehicle Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3361	33612	336120	Heavy-Duty Truck Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3362	33621	336210	Motor Vehicle Body and Trailer Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3362	33621	336211	Motor Vehicle Body Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3362	33621	336212	Truck Trailer Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3362	33621	336215	Motor Home, Travel Trailer and Camper Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3363	33631	336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3363	33632	336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3363	33633	336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3363	33634	336340	Motor Vehicle Brake System Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3363	33635	336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3363	33636	336360	Motor Vehicle Seating and Interior Trim Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3363	33637	336370	Motor Vehicle Metal Stamping	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3363	33639	336390	Other Motor Vehicle Parts Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3364	33641	336410	Aerospace Product and Parts Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3365	33651	336510	Railroad Rolling Stock Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3366	33661	336610	Ship and Boat Building	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3366	33661	336611	Ship Building and Repairing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3366	33661	336612	Boat Building	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3369	33699	336990	Other Transportation Equipment Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3371	33711	337110	Wood Kitchen Cabinet and Counter Top Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3371	33712	337120	Household and Institutional Furniture Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3371	33712	337121	Upholstered Household Furniture Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3371	33712	337123	Other Wood Household Furniture Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3371	33712	337126	Household Furniture (except Wood and Upholstered) Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3371	33712	337127	Institutional Furniture Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3372	33721	337210	Office Furniture (including Fixtures) Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3372	33721	337213	Wood Office Furniture, including Custom Architectural Woodwork, Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3372	33721	337214	Office Furniture (except Wood) Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
3372	33721	337215	Showcase, Partition, Shelving and Locker Manufacturing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
3379	33791	337910	Mattress Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3379	33792	337920	Blind and Shade Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3391	33911	339110	Medical Equipment and Supplies Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3399	33991	339910	Jewellery and Silverware Manufacturing	Medium	Chemicals, wastes & fuels (acids, metals, solvents)
3399	33992	339920	Sporting and Athletic Goods Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3399	33993	339930	Doll, Toy and Game Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3399	33994	339940	Office Supplies (except Paper) Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
3399	33995	339950	Sign Manufacturing	Medium	Chemical storage (glues, solvents, paints, dyes)
3399	33999	339990	All Other Miscellaneous Manufacturing	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
4111	41111	411110	Live Animal Wholesaler-Distributors	Medium	Chemical storage (veterinary chemicals)
4111	41112	411120	Oilseed and Grain Wholesaler-Distributors	Low	
4111	41113	411130	Nursery Stock and Plant Wholesaler-Distributors	Low	
4111	41119	411190	Other Farm Product Wholesaler-Distributors	Low	
4121	41211	412110	Petroleum Product Wholesaler-Distributors	High	Bulk fuel storage
4131	41311	413110	General-Line Food Wholesaler-Distributors	Low	
4131	41312	413120	Dairy and Milk Products Wholesaler-Distributors	Low	
4131	41313	413130	Poultry and Egg Wholesaler-Distributors	Low	
4131	41314	413140	Fish and Seafood Product Wholesaler-Distributors	Low	
4131	41315	413150	Fresh Fruit and Vegetable Wholesaler-Distributors	Low	
4131	41316	413160	Red Meat and Meat Product Wholesaler-Distributors	Low	
4131	41319	413190	Other Specialty-Line Food Wholesaler-Distributors	Low	
4132	41321	413210	Non-Alcoholic Beverage Wholesaler-Distributors	Low	
4132	41322	413220	Alcoholic Beverage Wholesaler-Distributors	Low	
4133	41331	413310	Cigarette and Tobacco Product Wholesaler-Distributors	Low	
4141	41411	414110	Clothing and Clothing Accessories Wholesaler-Distributors	Low	
4141	41412	414120	Footwear Wholesaler-Distributors	Low	
4141	41413	414130	Piece Goods, Notions and Other Dry Goods Wholesaler-Distributors	Low	
4142	41421	414210	Home Entertainment Equipment Wholesaler-Distributors	Low	
4142	41422	414220	Household Appliance Wholesaler-Distributors	Low	
4143	41431	414310	China, Glassware, Crockery and Pottery Wholesaler-Distributors	Low	
4143	41432	414320	Floor Covering Wholesaler-Distributors	Low	
4143	41433	414330	Linen, Drapery and Other Textile Furnishings Wholesaler-Distributors	Low	
4143	41439	414390	Other Home Furnishings Wholesaler-Distributors	Low	
4144	41441	414410	Jewellery and Watch Wholesaler-Distributors	Low	
4144	41442	414420	Book, Periodical and Newspaper Wholesaler-Distributors	Low	
4144	41443	414430	Photographic Equipment and Supplies Wholesaler-Distributors	Low	
4144	41444	414440	Sound Recording Wholesalers	Low	
4144	41445	414450	Video Cassette Wholesalers	Low	
4144	41446	414460	Toy and Hobby Goods Wholesaler-Distributors	Low	
4144	41447	414470	Amusement and Sporting Goods Wholesaler-Distributors	Low	
4145	41451	414510	Pharmaceuticals and Pharmacy Supplies Wholesaler-Distributors	Low	
4145	41452	414520	Toiletries, Cosmetics and Sundries Wholesaler-Distributors	Low	
4151	41511	415110	New and Used Automobile and Light-Duty Truck Wholesaler-Distributors	Medium	Fuel storage, equipment maintenance products
4151	41512	415120	Truck, Truck Tractor and Bus Wholesaler-Distributors	Medium	Fuel storage, equipment maintenance products
4151	41519	415190	Recreational and Other Motor Vehicles Wholesaler-Distributors	Medium	Fuel storage, equipment maintenance products
4152	41521	415210	Tire Wholesaler-Distributors	Low	
4152	41529	415290	Other New Motor Vehicle Parts and Accessories Wholesaler-Distributors	Low	
4153	41531	415310	Used Motor Vehicle Parts and Accessories Wholesaler-Distributors	High	Bulk wastes including metals, petroleum, solvents
4161	41611	416110	Electrical Wiring and Construction Supplies Wholesaler-Distributors	Low	
4161	41612	416120	Plumbing, Heating and Air-Conditioning Equipment and Supplies Wholesaler-Distributors	Low	
4162	41621	416210	Metal Service Centres	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
4163	41631	416310	General-Line Building Supplies Wholesaler-Distributors	Low	
4163	41632	416320	Lumber, Plywood and Millwork Wholesaler-Distributors	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
4163	41633	416330	Hardware Wholesaler-Distributors	Low	
4163	41634	416340	Paint, Glass and Wallpaper Wholesaler-Distributors	Medium	Chemicals, wastes & fuels (glues, solvents, paints, dyes)
4163	41639	416390	Other Specialty-Line Building Supplies Wholesaler-Distributors	Low	
4171	41711	417110	Farm, Lawn and Garden Machinery and Equipment Wholesaler-Distributors	Medium	Fuel storage, equipment maintenance products
4172	41721	417210	Construction and Forestry Machinery, Equipment and Supplies Wholesaler-Distributors	Medium	Fuel storage, equipment maintenance products
4172	41722	417220	Mining and Oil and Gas Well Machinery, Equipment and Supplies Wholesaler-Distributors	Medium	Fuel storage, equipment maintenance products
4172	41723	417230	Industrial Machinery, Equipment and Supplies Wholesaler-Distributors	Medium	Fuel storage, equipment maintenance products
4173	41731	417310	Computer, Computer Peripheral and Pre-Packaged Software Wholesaler-Distributors	Low	
4173	41732	417320	Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors	Low	
4179	41791	417910	Office and Store Machinery and Equipment Wholesaler-Distributors	Low	
4179	41792	417920	Service Establishment Machinery, Equipment and Supplies Wholesaler-Distributors	Low	
4179	41793	417930	Professional Machinery, Equipment and Supplies Wholesaler-Distributors	Low	
4179	41799	417990	All Other Machinery, Equipment and Supplies Wholesaler-Distributors	Low	
4181	41811	418110	Recyclable Metal Wholesaler-Distributors	High	Bulk wastes including metals, petroleum, solvents
4181	41812	418120	Recyclable Paper and Paperboard Wholesaler-Distributors	Low	
4181	41819	418190	Other Recyclable Material Wholesaler-Distributors	High	Bulk wastes including metals, petroleum, solvents
4182	41821	418210	Stationery and Office Supplies Wholesaler-Distributors	Low	
4182	41822	418220	Other Paper and Disposable Plastic Product Wholesaler-Distributors	Low	
4183	41831	418310	Agricultural Feed Wholesaler-Distributors	Low	
4183	41832	418320	Seed Wholesaler-Distributors	Low	
4183	41839	418390	Agricultural Chemical and Other Farm Supplies Wholesaler-Distributors	High	Bulk chemical storage (pesticides incl. herbicides)
4184	41841	418410	Chemical (except Agricultural) and Allied Product Wholesaler-Distributors	High	Bulk chemical storage, fuel storage, equipment maintenance
4189	41891	418910	Log and Wood Chip Wholesaler-Distributors	Low	
4189	41892	418920	Mineral, Ore and Precious Metal Wholesaler-Distributors	Medium	Wastes including fuels, metals
4189	41893	418930	Second-Hand Goods (except Machinery and Automotive) Wholesaler-Distributors	Low	
4189	41899	418990	All Other Wholesaler-Distributors	Low	
4191	41911	419110	Farm Product Agents and Brokers	Low	
4191	41912	419120	Petroleum Product Agents and Brokers	High	Bulk Petroleum storage, chemical storage
4191	41913	419130	Food, Beverage and Tobacco Agents and Brokers	Low	
4191	41914	419140	Personal and Household Goods Agents and Brokers	Low	
4191	41915	419150	Motor Vehicle and Parts Agents and Brokers	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4191	41916	419160	Building Material and Supplies Agents and Brokers	Low	
4191	41917	419170	Machinery, Equipment and Supplies Agents and Brokers	Low	
4191	41919	419190	Other Wholesale Agents and Brokers	Low	
4411	44111	441110	New Car Dealers	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4411	44112	441120	Used Car Dealers	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4412	44121	441210	Recreational Vehicle Dealers	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4412	44122	441220	Motorcycle, Boat and Other Motor Vehicle Dealers	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4413	44131	441310	Automotive Parts and Accessories Stores	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4413	44132	441320	Tire Dealers	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4421	44211	442110	Furniture Stores	Low	
4422	44221	442210	Floor Covering Stores	Low	
4422	44229	442290	Other Home Furnishings Stores	Low	
4422	44229	442291	Window Treatment Stores	Low	
4422	44229	442292	Print and Picture Frame Stores	Medium	Paint and Solvents
4422	44229	442298	All Other Home Furnishings Stores	Low	
4431	44311	443110	Appliance, Television and Other Electronics Stores	Low	
4431	44312	443120	Computer and Software Stores	Low	
4431	44313	443130	Camera and Photographic Supplies Stores	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
4441	44411	444110	Home Centres	Medium	Chemical storage (glues, solvents, paints, dyes)
4441	44412	444120	Paint and Wallpaper Stores	Medium	Chemical storage (glues, solvents, paints, dyes)
4441	44413	444130	Hardware Stores	Medium	Chemical storage (glues, solvents, paints, dyes)
4441	44419	444190	Other Building Material Dealers	Medium	Chemical storage (glues, solvents, paints, dyes)
4442	44421	444210	Outdoor Power Equipment Stores	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4442	44422	444220	Nursery Stores and Garden Centres	Medium	Chemical storage (pesticides, herbicides)
4451	44511	445110	Supermarkets and Other Grocery (except Convenience) Stores	Low	
4451	44512	445120	Convenience Stores	Low	
4452	44521	445210	Meat Markets	Low	
4452	44522	445220	Fish and Seafood Markets	Low	
4452	44523	445230	Fruit and Vegetable Markets	Low	
4452	44529	445290	Other Specialty Food Stores	Low	
4452	44529	445291	Baked Goods Stores	Low	
4452	44529	445292	Confectionery and Nut Stores	Low	
4452	44529	445299	All Other Specialty Food Stores	Low	
4453	44531	445310	Beer, Wine and Liquor Stores	Low	
4461	44611	446110	Pharmacies and Drug Stores	Low	
4461	44612	446120	Cosmetics, Beauty Supplies and Perfume Stores	Low	
4461	44613	446130	Optical Goods Stores	Low	
4461	44619	446190	Other Health and Personal Care Stores	Low	
4461	44619	446191	Food (Health) Supplement Stores	Low	
4461	44619	446199	All Other Health and Personal Care Stores	Low	
4471	44711	447110	Gasoline Stations with Convenience Stores	High	Bulk fuel storage
4471	44719	447190	Other Gasoline Stations	High	Bulk fuel storage
4481	44811	448110	Men's Clothing Stores	Low	
4481	44812	448120	Women's Clothing Stores	Low	
4481	44813	448130	Children's and Infants' Clothing Stores	Low	
4481	44814	448140	Family Clothing Stores	Low	
4481	44815	448150	Clothing Accessories Stores	Low	
4481	44819	448191	Fur Stores	Low	
4481	44819	448199	All Other Clothing Stores	Low	
4482	44821	448210	Shoe Stores	Low	
4483	44831	448310	Jewellery Stores	Low	
4483	44832	448320	Luggage and Leather Goods Stores	Low	
4511	45111	451110	Sporting Goods Stores	Low	
4511	45112	451120	Hobby, Toy and Game Stores	Low	
4511	45113	451130	Sewing, Needlework and Piece Goods Stores	Low	
4511	45114	451140	Musical Instrument and Supplies Stores	Low	
4512	45121	451210	Book Stores and News Dealers	Low	
4512	45122	451220	Pre-Recorded Tape, Compact Disc and Record Stores	Low	
4529	45299	452991	Home and Auto Supplies Stores	Medium	Chemical storage (glues, solvents, paints, dyes)
4529	45299	452999	All Other Miscellaneous General Merchandise Stores	Low	
4531	45311	453110	Florists	Low	
4532	45321	453210	Office Supplies and Stationery Stores	Low	
4532	45322	453220	Gift, Novelty and Souvenir Stores	Low	
4533	45331	453310	Used Merchandise Stores	Low	
4539	45391	453910	Pet and Pet Supplies Stores	Low	
4539	45392	453920	Art Dealers	Low	
4539	45393	453930	Mobile Home Dealers	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4539	45399	453990	All Other Miscellaneous Store Retailers	Low	
4539	45399	453992	Beer and Wine-Making Supplies Stores	Low	
4539	45399	453999	All Other Miscellaneous Store Retailers (except Beer and Wine-Making Supplies Stores)	Low	
4541	45411	454110	Electronic Shopping and Mail-Order Houses	Low	
4542	45421	454210	Vending Machine Operators	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
4543	45431	454310	Fuel Dealers	High	Bulk fuel storage
4543	45439	454390	Other Direct Selling Establishments	Low	
4811	48111	481110	Scheduled Air Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4812	48121	481210	Non-Scheduled Air Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4812	48121	481214	Non-Scheduled Chartered Air Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4812	48121	481215	Non-Scheduled Specialty Flying Services	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4821	48211	482110	Rail Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4821	48211	482112	Short-Haul Freight Rail Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4821	48211	482113	Mainline Freight Rail Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4821	48211	482114	Passenger Rail Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4831	48311	483110	Deep Sea, Coastal and Great Lakes Water Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4831	48311	483115	Deep Sea, Coastal and Great Lakes Water Transportation (except by Ferries)	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4831	48311	483116	Deep Sea, Coastal and Great Lakes Water Transportation by Ferries	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4832	48321	483210	Inland Water Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4832	48321	483213	Inland Water Transportation (except by Ferries)	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4832	48321	483214	Inland Water Transportation by Ferries	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4841	48411	484110	General Freight Trucking, Local	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4841	48412	484120	General Freight Trucking, Long Distance	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4841	48412	484121	General Freight Trucking, Long Distance, Truck-Load	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4841	48412	484122	General Freight Trucking, Long Distance, Less Than Truck-Load	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48421	484210	Used Household and Office Goods Moving	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4842	48422	484220	Specialized Freight (except Used Goods) Trucking, Local	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48422	484221	Bulk Liquids Trucking, Local	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48422	484222	Dry Bulk Materials Trucking, Local	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48422	484223	Forest Products Trucking, Local	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48422	484229	Other Specialized Freight (except Used Goods) Trucking, Local	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48423	484230	Specialized Freight (except Used Goods) Trucking, Long Distance	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48423	484231	Bulk Liquids Trucking, Long Distance	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48423	484232	Dry Bulk Materials Trucking, Long Distance	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48423	484233	Forest Products Trucking, Long Distance	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4842	48423	484239	Other Specialized Freight (except Used Goods) Trucking, Long Distance	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4851	48511	485110	Urban Transit Systems	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4852	48521	485210	Interurban and Rural Bus Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4853	48531	485310	Taxi Service	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4853	48532	485320	Limousine Service	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4854	48541	485410	School and Employee Bus Transportation	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4855	48551	485510	Charter Bus Industry	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
4859	48599	485990	Other Transit and Ground Passenger Transportation	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4861	48611	486110	Pipeline Transportation of Crude Oil	Medium	Fuel storage, equipment maintenance products
4862	48621	486210	Pipeline Transportation of Natural Gas	Medium	Fuel storage, equipment maintenance products
4869	48691	486910	Pipeline Transportation of Refined Petroleum Products	Medium	Fuel storage, equipment maintenance products
4869	48699	486990	All Other Pipeline Transportation	Medium	Fuel storage, equipment maintenance products
4871	48711	487110	Scenic and Sightseeing Transportation, Land	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4872	48721	487210	Scenic and Sightseeing Transportation, Water	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4879	48799	487990	Scenic and Sightseeing Transportation, Other	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4881	48811	488110	Airport Operations	Low	
4881	48811	488111	Air Traffic Control	Low	
4881	48819	488190	Other Support Activities for Air Transportation	Medium	Fuel storage, equipment maintenance products
4882	48821	488210	Support Activities for Rail Transportation	Medium	Fuel storage, equipment maintenance products
4883	48831	488310	Port and Harbour Operations	Medium	Fuel storage, equipment maintenance products
4883	48832	488320	Marine Cargo Handling	Medium	Fuel storage, equipment maintenance products
4883	48833	488330	Navigational Services to Shipping	Low	
4883	48833	488331	Marine Salvage Services	No Category	
4883	48833	488332	Ship Piloting Services	No Category	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
4883	48833	488339	Other Navigational Services to Shipping	No Category	
4883	48839	488390	Other Support Activities for Water Transportation	Medium	Fuel storage, equipment maintenance products
4884	48841	488410	Motor Vehicle Towing	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4884	48849	488490	Other Support Activities for Road Transportation	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4885	48851	488510	Freight Transportation Arrangement	Low	
4885	48851	488511	Marine Shipping Agencies	No Category	
4889	48899	488990	Other Support Activities for Transportation	Medium	Fuel storage, equipment maintenance products
4911	49111	491110	Postal Service	Low	
4921	49211	492110	Couriers	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4922	49221	492210	Local Messengers and Local Delivery	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
4931	49311	493110	General Warehousing and Storage	Medium	Fuel storage, equipment maintenance products
4931	49312	493120	Refrigerated Warehousing and Storage	Medium	Fuel storage, equipment maintenance products
4931	49313	493130	Farm Product Warehousing and Storage	Medium	Fuel storage, equipment maintenance products
4931	49319	493190	Other Warehousing and Storage	Low	
5111	51111	511110	Newspaper Publishers	Medium	Chemicals, wastes & fuels (inks, solvents)
5111	51112	511120	Periodical Publishers	Medium	Chemicals, wastes & fuels (inks, solvents)
5111	51113	511130	Book Publishers	Medium	Chemicals, wastes & fuels (inks, solvents)
5111	51114	511140	Directory and Mailing List Publishers	Medium	Chemicals, wastes & fuels (inks, solvents)
5111	51119	511190	Other Publishers	Medium	Chemicals, wastes & fuels (inks, solvents)
5112	51121	511210	Software Publishers	Low	
5121	51211	512110	Motion Picture and Video Production	Low	
5121	51212	512120	Motion Picture and Video Distribution	Low	
5121	51213	512130	Motion Picture and Video Exhibition	Low	
5121	51219	512190	Post-Production and Other Motion Picture and Video Industries	Low	
5122	51221	512210	Record Production	Low	
5122	51222	512220	Integrated Record Production/Distribution	Low	
5122	51223	512230	Music Publishers	Low	
5122	51224	512240	Sound Recording Studios	Low	
5122	51229	512290	Other Sound Recording Industries	Low	
5151	51511	515110	Radio Broadcasting	Low	
5151	51512	515120	Television Broadcasting	Low	
5152	51521	515210	Pay and Specialty Television	Low	
5161	51611	516110	Internet Publishing and Broadcasting	Low	
5171	51711	517110	Wired Telecommunications Carriers	Low	
5172	51721	517210	Wireless Telecommunications Carriers (except Satellite)	Low	
5173	51731	517310	Telecommunications Resellers	Low	
5174	51741	517410	Satellite Telecommunications	Low	
5175	51751	517510	Cable and Other Program Distribution	Low	
5179	51791	517910	Other Telecommunications	Low	
5181	51811	518110	Internet Service Providers, Web Search Portals	Low	
5181	51811	518111	Internet Service Providers	Low	
5181	51811	518112	Web Search Portals	Low	
5182	51821	518210	Data Processing, Hosting, and Related Services	Low	
5191	51911	519110	News Syndicates	Low	
5191	51912	519120	Libraries and Archives	Low	
5191	51912	519121	Libraries	Low	
5191	51912	519122	Archives	Low	
5191	51919	519190	All Other Information Services	Low	
5211	52111	521110	Monetary Authorities - Central Bank	Low	
5221	52211	522110	Banking	Low	
5221	52211	522111	Personal and Commercial Banking Industry	Low	
5221	52211	522112	Corporate and Institutional Banking Industry	Low	
5221	52213	522130	Local Credit Unions	Low	
5221	52219	522190	Other Depository Credit Intermediation	Low	
5222	52221	522210	Credit Card Issuing	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
5222	52222	522220	Sales Financing	Low	
5222	52229	522290	Other Non-Depository Credit Intermediation	Low	
5222	52229	522291	Consumer Lending	Low	
5222	52229	522299	All Other Non-Depository Credit Intermediation	Low	
5223	52231	522310	Mortgage and Non-mortgage Loan Brokers	Low	
5223	52232	522320	Financial Transactions Processing, Reserve and Clearing House Activities	Low	
5223	52232	522321	Central Credit Unions	Low	
5223	52232	522329	Other Financial Transactions Processing and Clearing House Activities	Low	
5231	52311	523110	Investment Banking and Securities Dealing	Low	
5231	52312	523120	Securities Brokerage	Low	
5231	52313	523130	Commodity Contracts Dealing	Low	
5231	52314	523140	Commodity Contracts Brokerage	Low	
5232	52321	523210	Securities and Commodity Exchanges	Low	
5239	52391	523910	Miscellaneous Intermediation	Low	
5239	52392	523920	Portfolio Management	Low	
5239	52393	523930	Investment Advice	Low	
5239	52399	523990	All Other Financial Investment Activities	Low	
5241	52411	524111	Direct Individual Life, Health and Medical Insurance Carriers	Low	
5241	52411	524112	Direct Group Life, Health and Medical Insurance Carriers	Low	
5241	52412	524121	Direct General Property and Casualty Insurance Carriers	Low	
5241	52412	524122	Direct, Private, Automobile Insurance Carriers	Low	
5241	52412	524123	Direct, Public, Automobile Insurance Carriers	Low	
5241	52412	524124	Direct Property Insurance Carriers	Low	
5241	52412	524125	Direct Liability Insurance Carriers	Low	
5241	52412	524129	Other Direct Insurance (except Life, Health and Medical) Carriers	Low	
5241	52413	524130	Reinsurance Carriers ()	Low	
5241	52413	524131	Life Reinsurance Carriers	Low	
5241	52413	524132	Accident and Sickness Reinsurance Carriers	Low	
5241	52413	524133	Automobile Reinsurance Carriers	Low	
5241	52413	524134	Property Reinsurance Carriers	Low	
5241	52413	524135	Liability Reinsurance Carriers	Low	
5241	52413	524139	General and Other Reinsurance Carriers	Low	
5242	52429	524290	Other Insurance Related Activities	Low	
5242	52429	524291	Claims Adjusters	Low	
5242	52429	524299	All Other Insurance Related Activities	Low	
5261	52611	526110	Pension Funds	Low	
5261	52611	526111	Trusted Pension Funds	Low	
5261	52611	526112	Non-Trusted Pension Funds	Low	
5269	52691	526910	Open-End Investment Funds	Low	
5269	52691	526911	Equity Funds - adian	Low	
5269	52691	526912	Equity Funds - Foreign	Low	
5269	52691	526913	Mortgage Funds	Low	
5269	52691	526914	Money Market Funds	Low	
5269	52691	526915	Bond and Income / Dividend Funds - adian	Low	
5269	52691	526916	Bond and Income / Dividend Funds - Foreign	Low	
5269	52691	526917	Balanced Funds / Asset Allocation Funds	Low	
5269	52691	526919	Other Open-Ended Funds	Low	
5269	52692	526920	Mortgage Investment Funds	Low	
5269	52693	526930	Segregated (except Pension) Funds	Low	
5269	52698	526980	All Other Funds and Financial Vehicles	Low	
5269	52698	526981	Securitization Vehicles	Low	
5269	52698	526989	All Other Miscellaneous Funds and Financial Vehicles	Low	
5311	53111	531110	Lessors of Residential Buildings and Dwellings	Low	
5311	53111	531111	Lessors of Residential Buildings and Dwellings (except Social Housing Projects)	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
5311	53111	531112	Lessors of Social Housing Projects	Low	
5311	53112	531120	Lessors of Non-Residential Buildings (except Mini-Warehouses)	Low	
5311	53113	531130	Self-Storage Mini-Warehouses	Low	
5311	53119	531190	Lessors of Other Real Estate Property	Low	
5312	53121	531210	Offices of Real Estate Agents and Brokers	Low	
5313	53131	531310	Real Estate Property Managers	Low	
5313	53132	531320	Offices of Real Estate Appraisers	Low	
5313	53139	531390	Other Activities Related to Real Estate	Low	
5321	53211	532110	Passenger Car Rental and Leasing	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
5321	53212	532120	Truck, Utility Trailer and RV (Recreational Vehicle) Rental and Leasing	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
5322	53221	532210	Consumer Electronics and Appliance Rental	Low	
5322	53222	532220	Formal Wear and Costume Rental	Low	
5322	53223	532230	Video Tape and Disc Rental	Low	
5322	53229	532290	Other Consumer Goods Rental	Low	
5323	53231	532310	General Rental Centres	Low	
5324	53241	532410	Construction, Transportation, Mining, and Forestry Machinery and Equipment Rental and Leasing	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
5324	53242	532420	Office Machinery and Equipment Rental and Leasing	Low	
5324	53249	532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing	Low	
5331	53311	533110	Lessors of Non-Financial Intangible Assets (Except Copyrighted Works)	Low	
5411	54111	541110	Offices of Lawyers	Low	
5411	54112	541120	Offices of Notaries	Low	
5411	54119	541190	Other Legal Services	Low	
5412	54121	541210	Accounting, Tax Preparation, Bookkeeping and Payroll Services	Low	
5412	54121	541212	Offices of Accountants	Low	
5412	54121	541213	Tax Preparation Services	Low	
5412	54121	541215	Bookkeeping, Payroll and Related Services	Low	
5413	54131	541310	Architectural Services	Low	
5413	54132	541320	Landscape Architectural Services	Low	
5413	54133	541330	Engineering Services	Low	
5413	54134	541340	Drafting Services	Low	
5413	54135	541350	Building Inspection Services	Low	
5413	54136	541360	Geophysical Surveying and Mapping Services	Low	
5413	54137	541370	Surveying and Mapping (except Geophysical) Services	Low	
5413	54138	541380	Testing Laboratories	Medium	Chemical Storage
5414	54141	541410	Interior Design Services	Low	
5414	54142	541420	Industrial Design Services	Low	
5414	54143	541430	Graphic Design Services	Low	
5414	54149	541490	Other Specialized Design Services	Low	
5415	54151	541510	Computer Systems Design and Related Services	Low	
5416	54161	541610	Management Consulting Services	Low	
5416	54161	541611	Administrative Management and General Management Consulting Services	Low	
5416	54161	541612	Human Resource and Executive Search Consulting Services	Low	
5416	54161	541619	Other Management Consulting Services	Low	
5416	54162	541620	Environmental Consulting Services	Low	
5416	54169	541690	Other Scientific and Technical Consulting Services	Low	
5417	54171	541710	Research and Development in the Physical, Engineering and Life Sciences	Low	
5417	54172	541720	Research and Development in the Social Sciences and Humanities	Low	
5418	54181	541810	Advertising Agencies	Low	
5418	54182	541820	Public Relations Services	Low	
5418	54183	541830	Media Buying Agencies	Low	
5418	54184	541840	Media Representatives	Low	
5418	54185	541850	Display Advertising	Low	
5418	54186	541860	Direct Mail Advertising	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
5418	54187	541870	Advertising Material Distribution Services	Low	
5418	54189	541890	Other Services Related to Advertising	Low	
5418	54189	541891	Specialty Advertising Distributors	Low	
5418	54189	541899	All Other Services Related to Advertising	Low	
5419	54191	541910	Marketing Research and Public Opinion Polling	Low	
5419	54192	541920	Photographic Services	Low	
5419	54193	541930	Translation and Interpretation Services	Low	
5419	54194	541940	Veterinary Services	Medium	Chemical storage (veterinary chemicals)
5419	54199	541990	All Other Professional, Scientific and Technical Services	Low	
5511	55111	551110	Management of Companies and Enterprises	Low	
5511	55111	551113	Holding Companies	Low	
5511	55111	551114	Head Offices	Low	
5611	56111	561110	Office Administrative Services	Low	
5612	56121	561210	Facilities Support Services	Low	
5613	56131	561310	Employment Placement Agencies	Low	
5613	56132	561320	Temporary Help Services	Low	
5613	56133	561330	Professional Employer Organizations	Low	
5614	56141	561410	Document Preparation Services	Low	
5614	56142	561420	Telephone Call Centres	Low	
5614	56143	561430	Business Service Centres	Low	
5614	56144	561440	Collection Agencies	Low	
5614	56145	561450	Credit Bureaus	Low	
5614	56149	561490	Other Business Support Services	Low	
5615	56151	561510	Travel Agencies	Low	
5615	56152	561520	Tour Operators	Low	
5615	56159	561590	Other Travel Arrangement and Reservation Services	Low	
5616	56161	561610	Investigation, Guard and Armored Car Services	Low	
5616	56161	561611	Investigation Services	Low	
5616	56161	561612	Security Guard and Patrol Services	Low	
5616	56161	561613	Armored Car Services	Low	
5616	56162	561620	Security Systems Services	Low	
5616	56162	561621	Security Systems Services (except Locksmiths)	Low	
5616	56162	561622	Locksmiths	Low	
5617	56171	561710	Exterminating and Pest Control Services	Low	
5617	56172	561720	Janitorial Services	Low	
5617	56172	561721	Window Cleaning Services	Low	
5617	56172	561722	Janitorial Services (except Window Cleaning)	Low	
5617	56173	561730	Landscaping Services	Medium	Chemical storage (pesticides, herbicides)
5617	56174	561740	Carpet and Upholstery Cleaning Services	Low	
5617	56179	561790	Other Services to Buildings and Dwellings	Low	
5617	56179	561791	Duct and Chimney Cleaning Services	Low	
5617	56179	561799	All Other Services to Buildings and Dwellings	Low	
5619	56191	561910	Packaging and Labelling Services	Low	
5619	56192	561920	Convention and Trade Show Organizers	Low	
5619	56199	561990	All Other Support Services	Low	
5621	56211	562110	Waste Collection	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
5622	56221	562210	Waste Treatment and Disposal	High	Bulk wastes including metals, petroleum, solvents
5629	56291	562910	Remediation Services	Medium	Chemical storage
5629	56292	562920	Material Recovery Facilities	High	Bulk wastes including metals, petroleum, solvents
5629	56299	562990	All Other Waste Management Services	High	Bulk wastes including metals, petroleum, solvents
6111	61111	611110	Elementary and Secondary Schools	Low	
6112	61121	611210	Community Colleges and C.E.G.E.P.s	Low	
6113	61131	611310	Universities	Medium	Fuel storage, equipment maintenance products
6114	61141	611410	Business and Secretarial Schools	Low	
6114	61142	611420	Computer Training	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
6114	61143	611430	Professional and Management Development Training	Low	
6115	61151	611510	Technical and Trade Schools	Medium	Fuel storage, equipment maintenance products
6116	61161	611610	Fine Arts Schools	Low	
6116	61162	611620	Athletic Instruction	Low	
6116	61163	611630	Language Schools	Low	
6116	61169	611690	All Other Schools and Instruction	Low	
6117	61171	611710	Educational Support Services	Low	
6211	62111	621110	Offices of Physicians	Low	
6212	62121	621210	Offices of Dentists	Low	
6213	62131	621310	Offices of Chiropractors	Low	
6213	62132	621320	Offices of Optometrists	Low	
6213	62133	621330	Offices of Mental Health Practitioners (except Physicians)	Low	
6213	62134	621340	Offices of Physical, Occupational, and Speech Therapists and Audiologists	Low	
6213	62139	621390	Offices of All Other Health Practitioners	Low	
6214	62141	621410	Family Planning Centres	Low	
6214	62142	621420	Out-Patient Mental Health and Substance Abuse Centres	Low	
6214	62149	621490	Other Out-Patient Care Centres	Low	
6214	62149	621494	Community Health Centres	Low	
6214	62149	621499	All Other Out-Patient Care Centres	Low	
6215	62151	621510	Medical and Diagnostic Laboratories	Medium	Chemical storage
6216	62161	621610	Home Health Care Services	Low	
6219	62191	621910	Ambulance Services	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
6219	62191	621911	Ambulance (except Air Ambulance) Services	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
6219	62191	621912	Air Ambulance Services	Medium	Vehicle maintenance chemicals & wastes, fuel handling & storage
6219	62199	621990	All Other Ambulatory Health Care Services	Low	
6221	62211	622110	General Medical and Surgical Hospitals	Medium	Fuel storage, equipment maintenance products
6221	62211	622111	General (except Pediatric) Hospitals	Medium	Fuel storage, equipment maintenance products
6221	62211	622112	Pediatric Hospitals	Medium	Fuel storage, equipment maintenance products
6222	62221	622210	Psychiatric and Substance Abuse Hospitals	Medium	Fuel storage, equipment maintenance products
6223	62231	622310	Specialty (except Psychiatric and Substance Abuse) Hospitals	Medium	Fuel storage, equipment maintenance products
6231	62311	623110	Nursing Care Facilities	Low	
6232	62321	623210	Residential Developmental Handicap Facilities	Low	
6232	62322	623220	Residential Mental Health and Substance Abuse Facilities	Low	
6232	62322	623221	Residential Substance Abuse Facilities	Low	
6232	62322	623222	Homes for the Psychiatrically Disabled	Low	
6233	62331	623310	Community Care Facilities for the Elderly	Low	
6239	62399	623990	Other Residential Care Facilities	Low	
6239	62399	623991	Transition Homes for Women	Low	
6239	62399	623992	Homes for Emotionally Disturbed Children	Low	
6239	62399	623993	Homes for the Physically Handicapped or Disabled	Low	
6239	62399	623999	All Other Residential Care Facilities	Low	
6241	62411	624110	Child and Youth Services	Low	
6241	62412	624120	Services for the Elderly and Persons with Disabilities	Low	
6241	62419	624190	Other Individual and Family Services	Low	
6242	62421	624210	Community Food Services	Low	
6242	62422	624220	Community Housing Services	Low	
6242	62423	624230	Emergency and Other Relief Services	Low	
6243	62431	624310	Vocational Rehabilitation Services	Low	
6244	62441	624410	Child Day-Care Services	Low	
7111	71111	711110	Theatre Companies and Dinner Theatres	Low	
7111	71111	711111	Theatre (except Musical) Companies	Low	
7111	71111	711112	Musical Theatre and Opera Companies	Low	
7111	71112	711120	Dance Companies	Low	
7111	71113	711130	Musical Groups and Artists	Low	
7111	71119	711190	Other Performing Arts Companies	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
7112	71121	711210	Spectator Sports	Low	
7112	71121	711213	Horse Race Tracks	Medium	Chemical storage (veterinary chemicals)
7112	71121	711218	Other Spectator Sports	Low	
7113	71131	711310	Promoters (Presenters) of Performing Arts, Sports and Similar Events with Facilities	Low	
7113	71131	711311	Live Theatres and Other Performing Arts Presenters with Facilities	Low	
7113	71131	711319	Sports Stadiums and Other Presenters with Facilities	Low	
7113	71132	711320	Promoters (Presenters) of Performing Arts, Sports and Similar Events without Facilities	Low	
7113	71132	711321	Performing Arts Promoters (Presenters) without Facilities	Low	
7113	71132	711322	Festivals without Facilities	Low	
7113	71132	711329	Sports Presenters and Other Presenters without Facilities	Low	
7114	71141	711410	Agents and Managers for Artists, Athletes, Entertainers and Other Public Figures	Low	
7115	71151	711510	Independent Artists, Writers and Performers	Low	
7121	71211	712110	Museums	Low	
7121	71211	712111	Non-Commercial Art Museums and Galleries	Low	
7121	71211	712119	Museums (except Art Museums and Galleries)	Low	
7121	71212	712120	Historic and Heritage Sites	Low	
7121	71213	712130	Zoos and Botanical Gardens	Low	
7121	71219	712190	Other Heritage Institutions	Low	
7131	71311	713110	Amusement and Theme Parks	Low	
7131	71312	713120	Amusement Arcades	Low	
7132	71321	713210	Casinos (except Casino Hotels)	Low	
7132	71329	713290	Other Gambling Industries	Low	
7132	71329	713291	Lotteries	Low	
7132	71329	713299	All Other Gambling Industries	Low	
7139	71391	713910	Golf Courses and Country Clubs	Medium	Chemical storage (pesticides, herbicides)
7139	71392	713920	Skiing Facilities	Low	
7139	71393	713930	Marinas	Medium	Fuel storage & handling
7139	71394	713940	Fitness and Recreational Sports Centres	Low	
7139	71395	713950	Bowling Centres	Low	
7139	71399	713990	All Other Amusement and Recreation Industries	Low	
7211	72111	721110	Hotels (except Casino Hotels) and Motels	Low	
7211	72111	721111	Hotels	Low	
7211	72111	721112	Motor Hotels	Low	
7211	72111	721113	Resorts	Low	
7211	72111	721114	Motels	Low	
7211	72112	721120	Casino Hotels	Low	
7211	72119	721190	Other Traveller Accommodation	Low	
7211	72119	721191	Bed and Breakfast	Low	
7211	72119	721192	Housekeeping Cottages and Cabins	Low	
7211	72119	721198	All Other Traveller Accommodation	Low	
7212	72121	721210	RV (Recreational Vehicle) Parks and Recreational Camps	Low	
7212	72121	721211	RV (Recreational Vehicle) Parks and Campgrounds	Low	
7212	72121	721212	Hunting and Fishing Camps	Low	
7212	72121	721213	Recreational (except Hunting and Fishing) and Vacation Camps	Low	
7213	72131	721310	Rooming and Boarding Houses	Low	
7221	72211	722110	Full-Service Restaurants	Low	
7222	72221	722210	Limited-Service Eating Places	Low	
7223	72231	722310	Food Service Contractors	Low	
7223	72232	722320	Caterers	Low	
7223	72233	722330	Mobile Food Services	Low	
7224	72241	722410	Drinking Places (Alcoholic Beverages)	Low	
8111	81111	811110	Automotive Mechanical and Electrical Repair and Maintenance	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
8111	81111	811111	General Automotive Repair	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
8111	81111	811112	Automotive Exhaust System Repair	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
8111	81111	811119	Other Automotive Mechanical and Electrical Repair and Maintenance	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
8111	81112	811120	Automotive Body, Paint, Interior and Glass Repair	High	Bulk chemical storage, fuel storage, equipment maintenance
8111	81112	811121	Automotive Body, Paint and Interior Repair and Maintenance	High	Bulk chemical storage, fuel storage, equipment maintenance
8111	81112	811122	Automotive Glass Replacement Shops	Medium	Chemical storage (glues, solvents, paints, dyes)
8111	81119	811190	Other Automotive Repair and Maintenance	High	Bulk chemical storage, fuel storage, equipment maintenance
8111	81119	811192	Car Washes	Medium	Chemical storage, equipment maintenance/cleaning products
8111	81119	811199	All Other Automotive Repair and Maintenance	High	Bulk chemical storage, fuel storage, equipment maintenance
8112	81121	811210	Electronic and Precision Equipment Repair and Maintenance	Medium	Chemical storage, equipment maintenance/cleaning products
8113	81131	811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	Medium	Chemical storage, equipment maintenance/cleaning products
8114	81141	811410	Home and Garden Equipment and Appliance Repair and Maintenance	Medium	Chemical storage, equipment maintenance/cleaning products
8114	81142	811420	Reupholstery and Furniture Repair	Medium	Chemicals, wastes & fuels (glues, solvents, paints, dyes)
8114	81143	811430	Footwear and Leather Goods Repair	Low	
8114	81149	811490	Other Personal and Household Goods Repair and Maintenance	Medium	Chemicals, wastes & fuels (glues, solvents, paints, dyes)
8121	81211	812110	Hair Care and Esthetic Services	Low	
8121	81211	812114	Barber Shops	Low	
8121	81211	812115	Beauty Salons	Low	
8121	81211	812116	Unisex Hair Salons	Low	
8121	81219	812190	Other Personal Care Services	Low	
8122	81221	812210	Funeral Homes	Medium	Chemical storage
8122	81222	812220	Cemeteries and Crematoria	Medium	Chemical storage
8123	81231	812310	Coin-Operated Laundries and Dry Cleaners	Low	
8123	81232	812320	Dry Cleaning and Laundry Services (except Coin-Operated)	High	Chemical storage (including chlorinated solvents)
8123	81233	812330	Linen and Uniform Supply	Low	
8129	81291	812910	Pet Care (except Veterinary) Services	Medium	Chemical storage (veterinary chemicals)
8129	81292	812920	Photo Finishing Services	Low	
8129	81292	812921	Photo Finishing Laboratories (except One-Hour)	Low	
8129	81292	812922	One-Hour Photo Finishing	Low	
8129	81293	812930	Parking Lots and Garages	Medium	Salt use/storage
8129	81299	812990	All Other Personal Services	Low	
8131	81311	813110	Religious Organizations	Low	
8132	81321	813210	Grant-Making and Giving Services	Low	
8133	81331	813310	Social Advocacy Organizations	Low	
8134	81341	813410	Civic and Social Organizations	Low	
8139	81391	813910	Business Associations	Low	
8139	81392	813920	Professional Organizations	Low	
8139	81393	813930	Labour Organizations	Low	
8139	81394	813940	Political Organizations	Low	
8139	81399	813990	Other Membership Organizations	Low	
8141	81411	814110	Private Households	Low	
9111	91111	911110	Defense Services	Low	
9112	91121	911210	Federal Courts of Law	Low	
9112	91122	911220	Federal Correctional Services	Low	
9112	91123	911230	Federal Police Services	Low	
9112	91124	911240	Federal Regulatory Services	Low	
9112	91129	911290	Other Federal Protective Services	Low	
9113	91131	911310	Federal Labour and Employment Services	Low	
9113	91132	911320	Immigration Services	Low	
9113	91139	911390	Other Federal Labour, Employment and Immigration Services	Low	
9114	91141	911410	Foreign Affairs	Low	
9114	91142	911420	International Assistance	Low	
9119	91191	911910	Other Federal Government Public Administration	Low	
9121	91211	912110	Provincial Courts of Law	Low	

NAICS_4	NAICS_5	NAICS_6	DESCRIPTION	THREAT RANK	COMMENTS
9121	91212	912120	Provincial Correctional Services	Low	
9121	91213	912130	Provincial Police Services	Low	
9121	91214	912140	Provincial Fire-Fighting Services	Low	
9121	91215	912150	Provincial Regulatory Services	Low	
9121	91219	912190	Other Provincial Protective Services	Low	
9122	91221	912210	Provincial Labour and Employment Services	Low	
9129	91291	912910	Other Provincial and Territorial Public Administration	Low	
9131	91311	913110	Municipal Courts of Law	Low	
9131	91312	913120	Municipal Correctional Services	Low	
9131	91313	913130	Municipal Police Services	Low	
9131	91314	913140	Municipal Fire-Fighting Services	Low	
9131	91315	913150	Municipal Regulatory Services	Low	
9131	91319	913190	Other Municipal Protective Services	Low	
9139	91391	913910	Other Local, Municipal and Regional Public Administration	Low	
9141	91411	914110	Aboriginal Public Administration	Low	
9191	91911	919110	International and Other Extra-Territorial Public Administration	Low	

Appendix B: Threat Ranks by SIC-E 1980

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
Division A--Agricultural and Related Service Industries					
01xx Agricultural Industries					
	011x	Livestock Farms			
		0111 Dairy Farms	NC		see Rural Threats Inventory
		0112 Cattle Farms	NC		see Rural Threats Inventory
		0113 Hog Farms	NC		see Rural Threats Inventory
		0114 Poultry and Egg Farms	NC		see Rural Threats Inventory
		0115 Sheep and Goat Farms	NC		see Rural Threats Inventory
		0119 Livestock Combination Farms	NC		see Rural Threats Inventory
	012x	Other Animal Specialty Farms			
		0121 Honey and Other Apiary Product Farms	NC		see Rural Threats Inventory
		0122 Horse and Other Equine Farms	NC		see Rural Threats Inventory
		0123 Furs and Skins, Ranch	NC		see Rural Threats Inventory
		0129 Other Animal Specialty Farms n.e.c.	NC		see Rural Threats Inventory
	013x	Field Crop Farms			
		0131 Wheat Farms	NC		see Rural Threats Inventory
		0132 Small-Grain Farms (except Wheat)	NC		see Rural Threats Inventory
		0133 Oilseed Farms (except Corn)	NC		see Rural Threats Inventory
		0134 Grain Corn Farms	NC		see Rural Threats Inventory
		0135 Forage, Seed and Hay Farms	NC		see Rural Threats Inventory
		0136 Dry Field Pea and Bean Farms	NC		see Rural Threats Inventory
		0137 Tobacco Farms	NC		see Rural Threats Inventory
		0138 Potato Farms	NC		see Rural Threats Inventory
		0139 Other Field Crop Farms	NC		see Rural Threats Inventory
	014x	Field Crop Combination Farms			
		0141 Field Crop Combination Farms	NC		see Rural Threats Inventory
	015x	Fruit and Other Vegetable Farms			
		0151 Fruit Farms	NC		see Rural Threats Inventory
		0152 Other Vegetable Farms	NC		see Rural Threats Inventory
		0159 Fruit and Vegetable Combination Farms	NC		see Rural Threats Inventory
	016x	Horticultural Specialties			
		0161 Mushrooms	NC		see Rural Threats Inventory
		0162 Greenhouse Products	M		Nutrient storage, chemical storage (agricultural chemicals & equipment maintenance)
		0163 Nursery Products	M		Nutrient storage, chemical storage (agricultural chemicals & equipment maintenance)
		0169 Other Horticultural Specialties	M		Nutrient storage, chemical storage (agricultural chemicals & equipment maintenance)
	017x	Livestock, Field Crop and Horticultural Combination Farms			
		0171 Livestock, Field Crop and Horticultural Combination Farms	NC		see Rural Threats Inventory
02xx Service Industries Incidental to Agriculture					
	021x	Services Incidental to Livestock and Animal Specialties			
		0211 Veterinary Services	M		Chemical storage (veterinary chemicals)
		0212 Farm Animal Breeding Services (except Poultry)	L		
		0213 Poultry Services	M		Chemical storage (veterinary chemicals)
		0219 Other Services Incidental to Livestock and Animal Specialties	L		
	022x	Services Incidental to Agricultural Crops			
		0221 Soil Preparation, Planting and Cultivating Services	L		
		0222 Crop Dusting and Spraying Services	H		Bulk chemical storage (pesticides incl. herbicides)
		0223 Harvesting, Baling and Threshing Services	L		
		0229 Other Services Incidental to Agricultural Crops	L		
	023x	Other Services Incidental to Agriculture			
		0231 Agricultural Management and Consulting Services	L		
		0239 Other Services Incidental to Agriculture n.e.c.	L		
Division B--Fishing and Trapping Industries					
03xx Fishing and Trapping Industries					
	031x	Fishing Industries			
		0311 Salt Water Fishing Industry	L		
		0312 Inland Fishing Industry	L		

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	032x	Services Incidental to Fishing			
	0321	Services Incidental to Fishing	L		
	033x	Trapping			
	0331	Furs and Skins, Wild	L		
	0339	Other Trapping	L		
Division C--Logging and Forestry Industries					
04xx Logging Industry					
	041x	Logging Industry			
	0411	Logging Industry	L		
	0412	Logging Contractors	M		Vehicle maintenance chemicals & wastes, fuel handling & storage
05xx Forestry Services Industry					
	051x	Forestry Services Industry			
	0511	Forestry Services Industry	L		
Division D--Mining (including Milling), Quarrying and Oil Well Industries					
06xx Mining Industries					
	061x	Metal Mines			
	0611	Gold Mines	H		Bulk wastes containing metals, acids, alkaline
	0612	Copper and Copper-Zinc Mines	H		Bulk wastes containing metals, acids, alkaline
	0613	Nickel-Copper Mines	H		Bulk wastes containing metals, acids, alkaline
	0614	Silver-Lead-Zinc Mines	H		Bulk wastes containing metals, acids, alkaline
	0615	Molybdenum Mines	H		Bulk wastes containing metals, acids, alkaline
	0616	Uranium Mines	H		Bulk wastes containing metals, acids, alkaline
	0617	Iron Mines	H		Bulk wastes containing metals, acids, alkaline
	0619	Other Metal Mines	H		Bulk wastes containing metals, acids, alkaline
	062x	Non-Metal Mines (except Coal)			
	0621	Asbestos Mines	H		Bulk wastes containing metals, acids, alkaline
	0622	Peat Industry	L		
	0623	Gypsum Mines	H		Bulk wastes containing metals, acids, alkaline
	0624	Potash Mines	H		Bulk wastes containing metals, acids, alkaline
	0625	Salt Mines	H		Bulk wastes containing metals, acids, alkaline
	0629	Other Non-metal Mines (except Coal)	H		Bulk wastes containing metals, acids, alkaline
	063x	Coal Mines			
	0631	Bituminous Coal Mines	H		Bulk wastes containing metals, acids, alkaline
	0632	Sub bituminous Coal Mines	H		Bulk wastes containing metals, acids, alkaline
	0633	Lignite Mines	H		Bulk wastes containing metals, acids, alkaline
07xx Crude Petroleum and Natural Gas Industries					
	071x	Crude Petroleum and Natural Gas Industries			
	0711	Conventional Crude Oil and Natural Gas Industry	H		Bulk Petroleum storage, chemical storage
	0712	Non-Conventional Crude Oil Industry	H		Bulk Petroleum storage, chemical storage
08xx Quarry and Sand Pit Industries					
	081x	Stone Quarries			
	0811	Granite Quarries	M		Fuel storage, waste storage, de-icing, dust suppression
	0812	Limestone Quarries	M		Fuel storage, waste storage, de-icing, dust suppression
	0813	Marble Quarries	M		Fuel storage, waste storage, de-icing, dust suppression
	0814	Sandstone Quarries	M		Fuel storage, waste storage, de-icing, dust suppression
	0815	Shale Quarries	M		Fuel storage, waste storage, de-icing, dust suppression
	082x	Sand and Gravel Pits			
	0821	Sand and Gravel Pits	M		Fuel storage, waste storage, de-icing, dust suppression
09xx Service Industries Incidental to Mineral Extraction					
	091x	Service Industries Incidental to Crude Petroleum and Natural Gas			
	0911	Contract Drilling, Oil and Gas Industry	M		Vehicle maintenance chemicals & wastes, fuel handling & storage
	0919	Other Service Industries Incidental to Crude Petroleum and Natural Gas	L		
	092x	Service Industries Incidental to Mining			
	0921	Contract Drilling Industry (except Oil and Gas)	L		
	0929	Other Service Industries Incidental to Mining	L		

Division E--Manufacturing Industries

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
10xx Food Industries					
101x		Meat and Poultry Products			
	1011	Meat and Meat Products (except Poultry)	L		see CH2M Hill memo 9/29/00
	1012	Poultry Products Industry	L		see CH2M Hill memo 9/29/00
102x		Fish Products			
	1021	Fish Products Industry	L		see CH2M Hill memo 9/29/00
103x		Fruit and Vegetable			
	1031	Canned and Preserved Fruit and Vegetable Industry	L		see CH2M Hill memo 9/29/00
	1032	Frozen Fruit and Vegetable Industry	L		see CH2M Hill memo 9/29/00
104x		Dairy Products			
	1041	Fluid Milk Industry	L		see CH2M Hill memo 9/29/00
	1049	Other Dairy Products Industries	L		see CH2M Hill memo 9/29/00
105x		Flour, Prepared Cereal Food and Feed			
	1051	Cereal Grain Flour Industry	L		see CH2M Hill memo 9/29/00
	1052	Prepared Flour Mixes and Prepared Cereal Foods Industry	L		see CH2M Hill memo 9/29/00
	1053	Feed Industry	L		see CH2M Hill memo 9/29/00
106x		Vegetable Oil Mills (except Corn Oil)			
	1061	Vegetable Oil Mills (except Corn Oil)	L		see CH2M Hill memo 9/29/00
107x		Bakery Products Industries			
	1071	Biscuit Industry	L		see CH2M Hill memo 9/29/00
	1072	Bread and Other Bakery Products Industry	L		see CH2M Hill memo 9/29/00
108x		Sugar and Sugar Confectionery			
	1081	Cane and Beet Sugar Industry	L		see CH2M Hill memo 9/29/00
	1082	Chewing Gum Industry	L		see CH2M Hill memo 9/29/00
	1083	Sugar and Chocolate Confectionery Industry	L		see CH2M Hill memo 9/29/00
109x		Other Food Products			
	1091	Tea and Coffee Industry	L		see CH2M Hill memo 9/29/00
	1092	Dry Pasta Products Industry	L		see CH2M Hill memo 9/29/00
	1093	Potato Chip, Pretzel and Popcorn Industry	L		see CH2M Hill memo 9/29/00
	1094	Malt and Malt Flour Industry	L		see CH2M Hill memo 9/29/00
	1099	Other Food Products Industries n.e.c.	L		see CH2M Hill memo 9/29/00
11xx Beverage Industries					
111x		Soft Drink			
	1111	Soft Drink Industry	L		see CH2M Hill memo 9/29/00
112x		Distillery Products			
	1121	Distillery Products Industry	L		see CH2M Hill memo 9/29/00
113x		Brewery Products			
	1131	Brewery Products Industry	L		see CH2M Hill memo 9/29/00
114x		Wine			
	1141	Wine Industry	L		see CH2M Hill memo 9/29/00
12xx Tobacco Products Industries					
121x		Leaf Tobacco			
	1211	Leaf Tobacco Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
122x		Tobacco Products			
	1221	Tobacco Products Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
15xx Rubber Products Industries					
151x		Tire and Tube			
	1511	Tire and Tube Industry	M		Chemicals, wastes & fuels (plasticizers, dyes, metal compounds)
152x		Rubber Hose and Belting			
	1521	Rubber Hose and Belting Industry	M		Chemicals, wastes & fuels (plasticizers, dyes, metal compounds)
159x		Other Rubber Products			
	1599	Other Rubber Products Industries	M		Chemicals, wastes & fuels (plasticizers, dyes, metal compounds)
16xx Plastic Products Industries					
161x		Foamed and Expanded Plastic Products			
	1611	Foamed and Expanded Plastic Products Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
162x		Plastic Pipe and Pipe Fittings			

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	1621	Plastic Pipe and Pipe Fittings Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	163x	Plastic Film and Sheeting			
	1631	Plastic Film and Sheeting Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	169x	Other Plastic Products			
	1691	Plastic Bag Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	1699	Other Plastic Products Industries n.e.c.	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
17xx	Leather and Allied Products Industries				
	171x	Leather and Allied Products			
	1711	Leather Tanneries	H		Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
	1712	Footwear Industry	H		Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
	1713	Luggage, Purse and Handbag Industry	H		Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
	1719	Other Leather and Allied Products Industries	H		Bulk chemical use, wastes incl. acids, alkalis, solvents, metals
18xx	Primary Textile Industries				
	181x	Man-made Fiber and Filament Yarn			
	1811	Man-made Fibre and Filament Yarn Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	182x	Spun Yarn and Woven Cloth			
	1821	Wool Yarn and Woven Cloth Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	1829	Other Spun Yarn and Woven Cloth Industries	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	183x	Knit Fabric			
	1831	Broad Knitted Fabric Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
19xx	Textile Products Industries				
	191x	Natural Fibres Processing and Felt Products			
	1911	Natural Fibres Processing and Felt Products Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	192x	Carpet, Mat and Rug			
	1921	Carpet, Mat and Rug Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	193x	Canvas and Related Products			
	1931	Canvas and Related Products Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	199x	Other Textile Products			
	1991	Narrow Fabric Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	1992	Contract Textile Dyeing and Finishing Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	1993	Household Products of Textile Materials Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	1994	Hygiene Products of Textile Materials Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	1995	Tire Cord Fabric Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	1999	Other Textile Products Industries n.e.c.	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
24xx	Clothing Industries				
	243x	Men's and Boy's Clothing			
	2431	Men's and Boys' Coat Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2432	Men's and Boys' Suit and Jacket Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2433	Men's and Boys' Pants Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2434	Men's and Boys' Shirt and Underwear Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2435	Men's and Boys' Clothing Contractors	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	244x	Women's Clothing			
	2441	Women's Coat and Jacket Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2442	Women's Sportswear Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2443	Women's Dress Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2444	Women's Blouse and Shirt Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2445	Women's Clothing Contractors	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	245x	Children's Clothing			
	2451	Children's Clothing Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	249x	Other Clothing and Apparel			
	2491	Sweater Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2492	Occupational Clothing Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2493	Glove Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2494	Hosiery Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2495	Fur Goods Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2496	Foundation Garment Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	2499	Other Clothing and Apparel Industries n.e.c.	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
25xx Wood Industries					
251x	Sawmill, Planning Mill and Shingle Mill Products				
	2511	Shingle and Shake Industry	H		Chemical storage (wood preservation/treatment)
	2512	Sawmill and Planning Mill Products Industry (except Shingles and Shakes)	H		Chemical storage (wood preservation/treatment)
252x	Veneer and Plywood				
	2521	Hardwood Veneer and Plywood Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
	2522	Softwood Veneer and Plywood Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
254x	Wooden Kitchen Cabinet and Bathroom Vanity				
	2541	Prefabricated Wooden Buildings Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
	2542	Wooden Kitchen Cabinet and Bathroom Vanity Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
	2543	Wooden Door and Window Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
	2549	Other Millwork Industries	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
256x	Wooden, Box and Pallet				
	2561	Wooden Box and Pallet Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
258x	Coffin and casket Industry				
	2581	Coffin and Casket Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
259x	Other Wood Industries				
	2591	Wood Preservation Industry	H		Chemical storage (wood preservation/treatment)
	2592	Particle Board Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
	2593	Wafer Board Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
	2599	Other Wood Industries n.e.c.	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
26xx Furniture and Fixture Industries					
261x	Household Furniture				
	2611	Wooden Household Furniture Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
	2612	Upholstered Household Furniture Industry	M		Chemical & fuel storage, (glues, solvents, paints, dyes)
	2619	Other Household Furniture Industries	H		Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
264x	Office Furniture				
	2641	Metal Office Furniture Industry	H		Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
	2649	Other Office Furniture Industries	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
269x	Other Office Furniture				
	2691	Bed Spring and Mattress Industry	H		Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
	2692	Hotel, Restaurant and Institutional Furniture and Fixture Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2699	Other Furniture and Fixture Industries n.e.c.	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
27xx Paper and Allied Products Industries					
271x	Pulp and Paper				
	2711	Pulp Industry	H		Pulp manufacturing, waste products (black liquors etc.)
	2712	Newsprint Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	2713	Paperboard Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	2714	Building Board Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	2719	Other Paper Industries	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
272x	Asphalt Roofing				
	2721	Asphalt Roofing Industry	M		Chemicals, wastes & fuels (tar, glues)
273x	Paper Box and Bag				
	2731	Folding Carton and Set-up Box Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2732	Corrugated Box Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	2733	Paper Bag Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
279x	Other Covered Paper Products				
	2791	Coated and Treated Paper Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	2792	Stationery Paper Products Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	2793	Paper Consumer Products Industry	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
	2799	Other Converted Paper Products Industries n.e.c.	M		Chemicals, wastes & fuels (acids, alkalis, dyes)
28xx Printing, Publishing and Allied Industries					
281x	Commercial Printing				
	2811	Business Forms Printing Industry	M		Chemicals, wastes & fuels (inks, solvents)
	2819	Other Commercial Printing Industries	M		Chemicals, wastes & fuels (inks, solvents)

SIC		Industry	Ranking	Comments	
Major Group	Minor Group		(L-M-H)		
	282x	Plate making, Typesetting and Bindery			
		2821 Plate making, Typesetting and Bindery Industry	M	Chemicals, wastes & fuels (acids, metals, solvents)	
	283x	Publishing			
		2831 Book Publishing Industry	M	Chemicals, wastes & fuels (inks, solvents)	
		2839 Other Publishing Industries	M	Chemicals, wastes & fuels (inks, solvents)	
	284x	Combined Publishing and Printing			
	2841 Newspaper, Magazine and Periodical (Combined Publishing and Printing) Industry	M	Chemicals, wastes & fuels (inks, solvents)		
	2849 Other Combined Publishing and Printing Industries	M	Chemicals, wastes & fuels (inks, solvents)		
29xx	Primary Metal Industries				
	291x	Primary Steel			
		2911 Ferro-Alloys Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		2912 Steel Foundries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		2919 Other Primary Steel Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	292x	Steel Pipe and Tube			
		2921 Steel Pipe and Tube Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	294x	Iron Foundries			
		2941 Iron Foundries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	295x	Non-Ferrous Metal Smelting and Refining			
		2951 Primary Production of Aluminum Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		2959 Other Primary Smelting and Refining of Non-Ferrous Metal Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	296x	Aluminum Rolling, Casting and extruding			
		2961 Aluminum Rolling, Casting and Extruding Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	297x	Copper and Copper Alloy Rolling, Casting and Extruding			
		2971 Copper and Copper Alloy Rolling, Casting and Extruding Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	299x	Other Rolled, Cast and Extruding Non-Ferrous Metal Products			
		2999 Other Rolled, Cast and Extruded Non-Ferrous Metal Products Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	30xx	Fabricated Metal Products Industries (except Machinery and Transportation Equipment Industries)			
		301x	Power Boiler and Heat Exchanger Industry		
		3011 Power Boiler and Heat Exchanger Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	302x	Fabricated Structural metal Products			
		3021 Metal Tanks (Heavy Gauge) Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3022 Plate Work Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3023 Pre-Engineered Metal Buildings Industry (except Portable)	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3029 Other Fabricated Structural Metal Products Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	303x	Ornamental and Architectural metal Products			
		3031 Metal Door and Window Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3032 Prefabricated Portable Metal Buildings Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3039 Other Ornamental and Architectural Metal Products Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	304x	Stamped, Pressed and Coated Metal Products			
		3041 Custom Coating of Metal Products Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3042 Metal Closure and Container Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3049 Other Stamped and Pressed Metal Products Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	305x	Wire and Wire Products			
		3051 Upholstery and Coil Spring Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3052 Wire and Wire Rope Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3053 Industrial Fastener Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3059 Other Wire Products Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	306x	Hardware, Tool and Cutlery			
		3061 Basic Hardware Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3062 Metal Dies, Moulds and Patterns Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3063 Hand Tool and Implement Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3069 Other Hardware and Cutlery Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	307x	Heating Equipment			
		3071 Heating Equipment Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	308x	Machine Shop			
		3081 Machine Shop Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	

SIC		Industry	Ranking	Comments	
Major Group	Minor Group		(L-M-H)		
	309x	Other Metal Fabricating			
		3091 Metal Plumbing Fixtures and Fittings Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3092 Metal Valve Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3099 Other Metal Fabricating Industries n.e.c.	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
31xx Machinery Industries (except Electrical Machinery)					
	311x	Agricultural Implement			
		3111 Agricultural Implement Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	312x	Commercial Refrigeration and Air Conditioning Equipment			
		3121 Commercial Refrigeration and Air Conditioning Equipment Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	319x	Other Machinery and Equipment			
		3191 Compressor, Pump and Industrial Fan Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3192 Construction and Mining Machinery and Materials Handling Equipment Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3193 Sawmill and Woodworking Machinery Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3194 Turbine and Mechanical Power Transmission Equipment Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3199 Other Machinery and Equipment Industries n.e.c.	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
32xx Transportation Equipment Industries					
	321x	Aircraft and Aircraft Parts			
		3211 Aircraft and Aircraft Parts Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	323x	Motor Vehicle			
		3231 Motor Vehicle Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	324x	Truck and Bus Body and Trailer			
		3241 Truck and Bus Body Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3242 Commercial Trailer Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3243 Non-Commercial Trailer Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3244 Mobile Home Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	325x	Motor Vehicle Parts and Accessories			
		3251 Motor Vehicle Engine and Engine Parts Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3252 Motor Vehicle Wiring Assemblies Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3253 Motor Vehicle Stampings Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3254 Motor Vehicle Steering and Suspension Parts Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3255 Motor Vehicle Wheel and Brake Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
		3256 Motor Vehicle Plastic Parts and Accessories Industry	M	Chemicals, wastes & fuels (plasticizers, dyes, metal compounds)	
		3257 Motor Vehicle Fabric Accessories Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)	
		3259 Other Motor Vehicle Accessories, Parts and Assemblies Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	326x	Railroad Rolling Stock			
		3261 Railroad Rolling Stock Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	327x	Shipbuilding and Repair			
		3271 Shipbuilding and Repair Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	328x	Boatbuilding and Repair			
		3281 Boatbuilding and Repair Industry	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	329x	Other Transportation Equipment			
		3299 Other Transportation Equipment Industries	H	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals	
	33xx Electrical and Electronic Products Industries				
		331x	Small Electrical Appliance		
			3311 Small Electrical Appliance Industry	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
332x		Major Appliances Industry (Electric and Non-Electric)			
		3321 Major Appliances Industry (Electric and Non-Electric)	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals	
333x		Electric Lighting			
		3331 Lighting Fixture Industry	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals	
		3332 Electric Lamp and Shade Industry (except Bulb and Tube)	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals	
		3333 Electric Lamp (Bulb and Tube) Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)	
334x		Record Player, Radio and Television Receiver			
		3341 Record Player, Radio and Television Receiver Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)	
335x		Communication and Other Electronic Equipment			
		3351 Telecommunication Equipment Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)	
		3352 Electronic Parts and Components Industry	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals	

SIC		Industry	Ranking	Comments
Major Group	Minor Group		(L-M-H)	
	3359	Other Communication and Electronic Equipment Industries	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
	336x	Office, Store and Business Machines		
	3361	Electronic Computing and Peripheral Equipment Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3362	Electronic Office, Store and Business Machine Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3369	Other Office, Store and Business Machine Industries	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	337x	Electrical Industrial Equipment		
	3371	Electrical Transformer Industry	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
	3372	Electrical Switchgear and Protective Equipment Industry	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
	3379	Other Electrical Industrial Equipment Industries	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
	338x	Communications and Energy Wire and Cable		
	3381	Communications and Energy Wire and Cable Industry	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
	339x	Other Electrical Products		
	3391	Battery Industry	H	wet batteries
	3392	Non-Current Carrying Wiring Devices Industry	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
	3399	Other Electrical Products Industries n.e.c.	H	Electronics industry chemicals & wastes incl. chlorinated solvents, metals
35xx Non-metallic Mineral Products Industries				
	351x	Clay Products		
	3511	Clay Products Industry (from Domestic Clay)	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3512	Clay Products Industry (from Imported Clay)	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	352x	Hydraulic Cement		
	3521	Hydraulic Cement Industry	M	Chemicals, wastes & fuels (acids, alkalis, metals, solvents)
	354x	Concrete Products		
	3541	Concrete Pipe Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3542	Structural Concrete Products Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3549	Other Concrete Products Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	355x	Ready-Mix Concrete		
	3551	Ready-Mix Concrete Industry	M	Chemicals, wastes & fuels (acids, alkalis, metals, solvents)
	356x	Glass and Glass Products		
	3561	Primary Glass and Glass Containers Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3562	Glass Products Industry (except Glass Containers)	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	357x	Abrasives		
	3571	Abrasives Industry	M	Chemicals, wastes & fuels (acids, alkalis, metals, solvents)
	358x	Lime		
	3581	Lime Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	359x	Other Non-Metallic mineral Products		
	3591	Refractoriness Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3592	Asbestos Products Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3593	Gypsum Products Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3594	Non-Metallic Mineral Insulating Materials Industry	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3599	Other Non-Metallic Mineral Products Industries n.e.c.	M	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
36xx Refined Petroleum and Coal Products Industries				
	361x	Refined Petroleum Products		
	3611	Refined Petroleum Products Industry (except Lubricating Oil and Grease)	H	Bulk Petroleum storage, chemical storage
	3612	Lubricating Oil and Grease Industry	H	Bulk Petroleum storage, chemical storage
	369x	Other Petroleum and Coal Products		
	3699	Other Petroleum and Coal Products Industries	H	Bulk Petroleum storage, chemical storage
37xx Chemical and Chemical Products Industries				
	371x	Industrial Chemicals		
	3711	Industrial Inorganic Chemicals Industries n.e.c.	H	Bulk chemical use/storage, organic & inorganic wastes
	3712	Industrial Organic Chemicals Industries n.e.c.	H	Bulk chemical use/storage, organic & inorganic wastes
	372x	Agricultural Chemical		
	3721	Chemical Fertilizer and Fertilizer Materials Industry	H	Bulk chemical use/storage, organic & inorganic wastes
	3722	Mixed Fertilizer Industry	H	Bulk chemical use/storage, organic & inorganic wastes
	3729	Other Agricultural Chemical Industries	H	Bulk chemical use/storage, organic & inorganic wastes
	373x	Plastic and Synthetic Resin		
	3731	Plastic and Synthetic Resin Industry	H	Bulk chemical use/storage, organic & inorganic wastes

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	374x	Pharmaceutical and Medicine			
	3741	Pharmaceutical and Medicine Industry	H		Bulk chemical use/storage, organic & inorganic wastes
	375x	Paint and Varnish			
	3751	Paint and Varnish Industry	H		Bulk chemical use/storage, organic & inorganic wastes
	376x	Soap and Cleaning Compounds			
	3761	Soap and Cleaning Compounds Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	377x	Toilet Preparations Industry			
	3771	Toilet Preparations Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	379x	Other Chemical Products			
	3791	Printing Ink Industry	H		Bulk chemical use/storage, organic & inorganic wastes
	3792	Adhesives Industry	H		Bulk chemical use/storage, organic & inorganic wastes
	3799	Other Chemical Products Industries n.e.c.	H		Bulk chemical use/storage, organic & inorganic wastes
39xx Other Manufacturing Industries					
	391x	Scientific and Professional Equipment Industries			
	3911	Indicating, Recording and Controlling Instruments Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3912	Other Instruments and Related Products Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3913	Clock and Watch Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3914	Ophthalmic Goods Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	392x	Jewellery and Precious Metal Industries			
	3921	Jewellery and Silverware Industry	M		Chemicals, wastes & fuels (acids, metals, solvents)
	3922	Precious Metal Secondary Refining Industry	M		Chemicals, wastes & fuels (acids, metals, solvents)
	393x	Sporting Goods and Toy Industries			
	3931	Sporting Goods Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3932	Toys and Games Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	397x	Sign and Display			
	3971	Sign and Display Industry	M		Chemicals, wastes & fuels (glues, solvents, paints, dyes)
	399x	Other Manufactured Products			
	3991	Broom, Brush and Mop Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3992	Button, Buckle and Clothes Fastener Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3993	Floor Tile, Linoleum and Coated Fabric Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3994	Musical Instrument and Sound Recording Industry	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
	3999	Other Manufactured Products Industries n.e.c.	M		Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
Division F--Construction Industries					
40xx Building, Developing and General Contracting Industries					
	401x	Residential Building and Development			
	4011	Single Family Housing	L		
	4012	Apartment and Other Multiple Housing	L		
	4013	Residential Renovation	L		
	402x	Non-Residential Building and Development			
	4021	Manufacturing and Light Industrial Building	L		
	4022	Commercial Building	L		
	4023	Institutional Building	L		
41xx Industrial and Heavy (Engineering) Construction Industries					
	411x	Industrial Construction (other than Buildings)			
	4111	Power Plants (except Hydroelectric)	M		Fuel storage, equipment maintenance products
	4112	Gas, Oil and Other Energy Related Structures (except Pipelines)	M		Fuel storage, equipment maintenance products
	4113	Gas and Oil Pipelines	M		Fuel storage, equipment maintenance products
	4119	Other Industrial Construction	M		Fuel storage, equipment maintenance products
	412x	Highway and Heavy Construction			
	4121	Highways, Streets and Bridges	M		Fuel storage, equipment maintenance products
	4122	Waterworks and Sewage Systems	M		Fuel storage, equipment maintenance products
	4123	Hydroelectric Power Plants and Related Structures (except. Transmission Lines)	M		Fuel storage, equipment maintenance products
	4124	Power and Telecommunication Transmission Lines	M		Fuel storage, equipment maintenance products
	4129	Other Heavy Construction	M		Fuel storage, equipment maintenance products
42xx Trade Contracting Industries					
	421x	Site Work			

SIC		Industry	Ranking	Comments
Major Group	Minor Group		(L-M-H)	
		4211 Wrecking and Demolition	M	Wastes including fuels, metals
		4212 Water Well Drilling	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4213 Septic System Installation	L	
		4214 Excavating and Grading	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4215 Equipment Rental (with Operator)	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4216 Asphalt Paving	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4217 Fencing Installation	L	
		4219 Other Site Work	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
	424x	Structural and related Work		
		4221 Pile driving Work	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4222 Form Work	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4223 Steel Reinforcing	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4224 Concrete Pouring and Finishing	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4225 Precast Concrete Installation	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4226 Rough and Framing Carpentry	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4227 Structural Steel Erection	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
		4229 Other Structural and Related Work	M	Vehicle maintenance chemicals & wastes, fuel handling & storage
	423x	Exterior Close-In Work		
		4231 Masonry Work	L	
		4232 Siding Work	L	
		4233 Glass and Glazing Work	M	Chemicals associated with glazing
		4234 Insulation Work	L	
		4235 Roof Shingling	L	
		4236 Sheet Metal and Built-Up Roofing	M	Metal working products and tars
		4239 Other Exterior Close-In Work	L	
	424x	Plumbing, Heating and Air Conditioning, Mechanical Work		
		4241 Plumbing	L	
		4242 Dry Heating and Gas Piping Work	L	
		4243 Wet Heating and Air Conditioning Work	L	
		4244 Sheet Metal and Other Duct Work	L	
	425x	Mechanical Specialty Work		
		4251 Process Piping Work	L	
		4252 Automatic Sprinkler System Installation	L	
		4253 Commercial Refrigeration Work	L	
		4254 Environmental Control Work	L	
		4255 Millwright and Rigging Work	M	Chemicals, wastes & fuels (acids, metals, solvents)
		4256 Thermal Insulation Work	L	
		4259 Other Mechanical Specialty Work	L	
	426x	Electrical Work		
		4261 Electrical Work	L	
	427x	Interior and Finishing Work		
		4271 Plastering and Stucco Work	L	
		4272 Drywall Work	L	
		4273 Acoustical Work	L	
		4274 Finish Carpentry	L	
		4275 Painting and Decorating Work	M	Chemicals, wastes & fuels (glues, solvents, paints, dyes)
		4276 Terrazzo and Tile Work	L	
		4277 Hardwood Flooring Installation	L	
		4278 Resilient Flooring and Carpet Work	L	
		4279 Other Interior and Finishing Work	L	
	429x	Other Trade Work		
		4291 Elevator and Escalator Installation	M	Chemicals, wastes & fuels (acids, metals, solvents)
		4292 Ornamental and Miscellaneous Fabricated Metal Installation	M	Chemicals, wastes & fuels (acids, metals, solvents)
		4293 Residential Swimming Pool Installation	L	
		4299 Other Trade Work n.e.c.	M	Chemicals, wastes & fuels (acids, metals, solvents)
44xx Service Industries Incidental to Construction				

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	441x	Project Management Construction			
	4411	Project Management, Construction	L		
	449x	Other Service Incidental to Construction			
	4491	Land Developers	L		
	4499	Other Services Incidental to Construction n.e.c.	L		
Division G--Transportation and Storage Industries					
45xx Transportation Industries					
	451x	Air Transport Industries			
	4511	Scheduled Air Transport Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4512	Non-Scheduled Air Transport, Chartered, Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4513	Non-Scheduled Air Transport, Specialty, Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	452x	Service Industries Incidental to Air Transport			
	4521	Airport Operations Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4522	Aircraft Rental Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4523	Aircraft Servicing Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4529	Other Service Industries Incidental to Air Transport	M		Fuel storage, equipment maintenance products
	453x	Railway Transport and Related Services			
	4531	Railway Transport Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4532	Service Industry Incidental to Railway Transport	M		Fuel storage, equipment maintenance products
	454x	Water Transport			
	4541	Freight and Passenger Water Transport Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4542	Ferry Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4543	Marine Towing Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4544	Ship Chartering Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4549	Other Water Transport Industries	H		Bulk chemical storage, fuel storage, equipment maintenance
	455x	Service Industries Incidental to Water Transport			
	4551	Marine Cargo Handling Industry	M		Fuel storage, equipment maintenance products
	4552	Harbour and Port Operation Industry	M		Fuel storage, equipment maintenance products
	4553	Marine Salvage Industry	M		Fuel storage, equipment maintenance products
	4554	Piloting Service, Water Transport Industry	M		Fuel storage, equipment maintenance products
	4555	Marine Shipping Agencies Industry	M		Fuel storage, equipment maintenance products
	4559	Other Service Industries Incidental to Water Transport	M		Fuel storage, equipment maintenance products
	456x	Truck Transport			
	4561	General Freight Trucking Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4562	Used Goods Moving and Storage Industry	M		Fuel storage, equipment maintenance products
	4563	Bulk Liquids Trucking Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4564	Dry Bulk Materials Trucking Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4565	Forest Products Trucking Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4569	Other Truck Transport Industries	H		Bulk chemical storage, fuel storage, equipment maintenance
	457x	Public Passenger Transit Systems			
	4571	Urban Transit Systems Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4572	Interurban and Rural Transit Systems Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4573	School Bus Operations Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4574	Charter and Sightseeing Bus Services Industry	H		Bulk chemical storage, fuel storage, equipment maintenance
	4575	Limousine Service to Airports and Stations Industry	M		Fuel storage, equipment maintenance products
	458x	Other Transportation Industries			
	4581	Taxicab Industry	M		Fuel storage, equipment maintenance products
	4589	Other Transportation Industries n.e.c.	M		Fuel storage, equipment maintenance products
	459x	Other Service Industries Incidental to Transportation			
	4591	Highway, Street and Bridge Maintenance Industry	M		Fuel storage, equipment maintenance products
	4592	Freight Forwarding Industry	M		Fuel storage, equipment maintenance products
	4599	Other Service Industries Incidental to Transportation n.e.c.	M		Fuel storage, equipment maintenance products
46xx Pipeline Transport Industries					
	461x	Pipeline Transportation Industries			
	4611	Natural Gas Pipeline Transport Industry	M		Fuel storage, equipment maintenance products
	4612	Crude Oil Pipeline Transport Industry	M		Fuel storage, equipment maintenance products

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	4619	Other Pipeline Transport Industries	M		Fuel storage, equipment maintenance products
47xx Storage and Warehousing Industries					
	471x	Grain Elevator			
	4711	Grain Elevator Industry	L		
	479x	Other Storage and Warehousing			
	4791	Refrigerated Warehousing Industry	M		Fuel storage, equipment maintenance products
	4799	Other Storage and Warehousing Industries n.e.c.	M		Fuel storage, equipment maintenance products
Division H--Communication and Other Utility Industries					
48xx Communication Industries					
	481x	Telecommunication Broadcasting			
	4811	Radio Broadcasting Industry	L		
	4812	Television Broadcasting Industry	L		
	4813	Combined Radio and Television Broadcasting Industry	L		
	4814	Cable Television Industry	L		
	482x	Telecommunication Carriers			
	4821	Telecommunication Carriers Industry	L		
	483x	Other Telecommunication			
	4839	Other Telecommunication Industries	L		
	484x	Postal and Courier Services			
	4841	Postal Service Industry	L		
	4842	Courier Service Industry	L		
49xx Other Utility Industries					
	491x	Electric Power Systems			
	4911	Electric Power Systems Industry	H		Petroleum fuels and lubricants, PCBs, maintenance products incl. chlorinated solvents
	492x	Gas Distribution Systems			
	4921	Gas Distribution Systems Industry	M		Fuel storage, equipment maintenance products
	493x	Water Systems			
	4931	Water Systems Industry	M		Fuel storage, equipment maintenance products
	499x	Other Utility Industries			
	4999	Other Utility Industries n.e.c.	M		Fuel storage, equipment maintenance products
Division I--Wholesale Trade Industries					
50xx Farm Products Industries, Wholesale					
	501x	Farm Products, Wholesale			
	5011	Livestock, Wholesale	M		Chemical storage (veterinary chemicals)
	5012	Grain, Wholesale	L		
	5019	Other Farm Products, Wholesale	L		
51xx Petroleum Products Industries, Wholesale					
	511x	Petroleum Products Industries, Wholesale			
	5111	Petroleum Products, Wholesale	H		Bulk fuel storage
52xx Food, Beverage, Drug and Tobacco Industries, Wholesale					
	521x	Food			
	5211	Confectionery, Wholesale	L		
	5212	Frozen Foods (Packaged), Wholesale	L		
	5213	Dairy Products, Wholesale	L		
	5214	Poultry and Eggs, Wholesale	L		
	5215	Fish and Seafood, Wholesale	L		
	5216	Fresh Fruit and Vegetables, Wholesale	L		
	5217	Meat and Meat Products, Wholesale	L		
	5219	Other Foods, Wholesale	L		
	522x	Beverage			
	5221	Non-Alcoholic Beverages, Wholesale	L		
	5222	Alcoholic Beverages, Wholesale	L		
	523x	Drugs and Toilet Preparations			
	5231	Drugs, Wholesale	L		
	5232	Toilet Soaps and Preparations, Wholesale	L		
	5239	Drug Sundries and Other Drugs and Toilet Preparations, Wholesale	L		

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	524x	Tobacco Products			
		5241 Tobacco Products, Wholesale	L		
53xx Apparel and Dry Goods Industries, Wholesale					
	531x	Apparel			
		5311 Men's and Boys' Clothing and Furnishings, Wholesale	L		
		5312 Women's, Misses' and Children's Outerwear, Wholesale	L		
		5313 Women's, Misses' and Children's Hosiery, Underwear and Apparel Accessories, Wholes	L		
		5314 Footwear, Wholesale	L		
		5319 Other Apparel, Wholesale	L		
	532x	Dry Goods			
		5321 Piece Goods, Wholesale	L		
		5329 Notions and Other Dry Goods, Wholesale	L		
54xx Household Goods Industries, Wholesale					
	541x	Electrical and Electronic Household Appliances, and Parts			
		5411 Electrical Household Appliances, Wholesale	L		
		5412 Electronic Household Appliances, Wholesale	L		
	542x	Household Furniture			
		5421 Household Furniture, Wholesale	L		
	543x	Household Furnishings			
		5431 China, Glassware, Crockery and Pottery, Wholesale	L		
		5432 Floor Coverings, Wholesale	L		
		5433 Linens, Draperies and Other Textile Furnishings, Wholesale	L		
		5439 Other Household Furnishings, Wholesale	L		
55xx Motor Vehicle, Parts and Accessories Industries, Wholesale					
	551x	Motor Vehicles			
		5511 Automobiles, Wholesale	M		Fuel storage, equipment maintenance products
		5512 Trucks and Buses, Wholesale	M		Fuel storage, equipment maintenance products
		5519 Other Motor Vehicles and Trailers, Wholesale	M		Fuel storage, equipment maintenance products
	552x	Motor Vehicle Parts and Accessories			
		5521 Tires and Tubes, Wholesale	L		
		5529 Other Motor Vehicle Parts and Accessories, Wholesale	L		
56xx Metals, Hardware, Plumbing, Heating and Building Materials, Wholesale					
	561x	Metal and Metal Products			
		5611 Iron and Steel Primary Forms and Structural Shapes, Wholesale	L		
		5612 Other Iron and Steel Products, Wholesale	L		
		5613 Non-Ferrous Metal and Metal Products, Wholesale	L		
		5619 Combination Metal and Metal Products, Wholesale	L		
	562x	Hardware and Plumbing, Heating and Air Conditioning Equipments and Supplies			
		5621 Hardware, Wholesale	L		
		5622 Plumbing, Heating and Air Conditioning Equipment and Supplies, Wholesale	L		
	563x	Lumber and building Materials, Wholesale			
		5631 Lumber, Plywood and Millwork, Wholesale	L		
		5632 Paint, Glass and Wallpaper, Wholesale	M		Chemical storage (glues, solvents, paints, dyes)
		5639 Other Building Materials, Wholesale	L		
57xx Machinery, Equipment and Supplies Industries, Wholesale					
	571x	Farm Machinery, Equipment and Supplies, Wholesale			
		5711 Farm Machinery, Equipment and Supplies, Wholesale	M		Fuel storage, equipment maintenance products
	572x	Construction, Forestry and Mining Machinery, Equipment and Supplies, Wholesale			
		5721 Construction and Forestry Machinery, Equipment and Supplies, Wholesale	M		Fuel storage, equipment maintenance products
		5722 Mining Machinery, Equipment and Supplies, Wholesale	M		Fuel storage, equipment maintenance products
	573x	Industrial Machinery, Equipment and Supplies			
		5731 Industrial Machinery, Equipment and Supplies, Wholesale	M		Fuel storage, equipment maintenance products
	574x	Electrical and Electronic Machinery, Equipment and Supplies			
		5741 Electrical Wiring Supplies and Electrical Construction Material, Wholesale	L		
		5742 Electrical Generating and Transmission Equipment and Supplies, Wholesale	L		
		5743 Electronic Machinery, Equipment and Supplies (except Computers), Wholesale	L		

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
		5744 Computer and Related Machinery, Equipment and Software, Wholesale	L		
		5749 Other Electrical and Electronic Machinery, Equipment and Supplies, Wholesale	L		
	579x	Other Machinery, Equipment and Supplies			
		5791 Office and Store Machinery, Equipment and Supplies, Wholesale	L		
		5792 Service Machinery, Equipment and Supplies, Wholesale	L		
		5793 Professional Machinery, Equipment and Supplies, Wholesale	L		
		5799 Other Machinery, Equipment and Supplies n.e.c., Wholesale	L		
59xx Other Products Industries, Wholesale					
	591x	Waste Materials			
		5911 Automobile Wrecking	H		Bulk wastes including metals, petroleum, solvents
		5919 Other Waste Materials, Wholesale	H		Bulk wastes including metals, petroleum, solvents
	592x	Paper and Paper Products			
		5921 Newsprint, Wholesale	L		
		5922 Stationery and Office Supplies, Wholesale	L		
		5929 Other Paper and Paper Products, Wholesale	L		
	593x	Agricultural Supplies			
		5931 Agricultural Feeds, Wholesale	L		
		5932 Seeds and Seed Processing, Wholesale	L		
		5939 Agricultural Chemical and Other Farm Supplies, Wholesale	H		Bulk chemical storage (pesticides incl. herbicides)
	594x	Toys, Amusements and Sporting Goods			
		5941 Toys, Novelties and Fireworks, Wholesale	L		
		5942 Amusement and Sporting Goods, Wholesale	L		
	595x	Photographic Equipment and Musical Instruments, and Supplies			
		5951 Photographic Equipment and Supplies, Wholesale	L		
		5952 Musical Instruments and Accessories, Wholesale	L		
	596x	Jewellery and Watches			
		5961 Jewellery and Watches, Wholesale	L		
	597x	Industrial and Household Chemicals			
		5971 Industrial and Household Chemicals, Wholesale	H		Bulk chemical storage
	598x	General Merchandise			
		5981 General Merchandise, Wholesale	L		
	599x	Other Products			
		5991 Books, Periodicals and Newspapers, Wholesale	L		
		5992 Second-Hand Goods, Wholesale (except. Machinery and Automotive)	L		
		5993 Forest Products, Wholesale	L		
		5999 Other Products n.e.c., Wholesale	L		
Division J--Retail Trade Industries					
60xx Food, Beverage and Drug Industries, Retail					
	601x	Food Stores			
		6011 Supermarkets	L		
		6012 Grocery Stores (except. Supermarkets)	L		
		6013 Bakery Products Stores	L		
		6014 Candy and Nut Stores	L		
		6015 Fruit and Vegetable Stores	L		
		6016 Meat Markets	L		
		6019 Other Food (Specialty) Stores	L		
	602x	Liquor, Wine and Beer Store			
		6021 Liquor Stores	L		
		6022 Wine Stores	L		
		6023 Beer Stores	L		
	603x	Prescription Drugs and Patent Medicinal Stores			
		6031 Pharmacies	L		
		6032 Patent Medicine and Toiletries Stores	L		
61xx Shoe, Apparel, Fabric and Yarn Industries, Retail					
	611x	Shoe			
		6111 Shoe Stores	L		

SIC		Industry	Ranking		Comments	
Major Group	Minor Group		(L-M-H)			
612x	Men's					
	6121	Men's Clothing Stores	L			
	613x	Women's				
		6131	Women's Clothing Stores	L		
	614x	Clothing				
		6141	Children's Clothing Stores	L		
		6142	Fur Stores	L		
615x	Fabric and Yarn					
	6149	Other Clothing Stores, n.e.c.	L			
	6151	Fabric and Yarn Stores	L			
62xx Household Furniture, Appliances and Furnishings Industries, Retail						
621x	Household Furniture Stores					
	6211	Household Furniture Stores (with Appliances and Furnishings)	L			
	6212	Household Furniture Stores (without Appliances and Furnishings)	L			
	6213	Furniture Refinishing and Repair Shops	M		Chemicals, wastes & fuels (glues, solvents, paints, dyes)	
	622x	Appliance, Television, Radio and Stereo				
		6221	Appliance, Television, Radio and Stereo Stores	L		
		6222	Television, Radio and Stereo Stores	L		
	623x	Household Furnishings				
		6223	Appliance, Television, Radio and Stereo Repair Shops	M		Chemical storage, equipment maintenance/cleaning products
		6231	Floor Covering Stores	L		
6232		Drapery Stores	L			
63xx	Automotive Vehicles, Parts and Accessories, Sales and Service					
	631x	Automobile Dealers				
		6311	Automobile (New) Dealers	M		Fuel storage & handling
		6312	Automobile (Used) Dealers	M		Fuel storage & handling
	632x	Recreational Vehicle Deals				
		6321	Motor Home and Travel Trailer Dealers	M		Fuel storage & handling
		6322	Boats, Outboard Motors and Boating Accessories Dealers	M		Fuel storage & handling
6323		Motorcycle and Snowmobile Dealers	M		Fuel storage & handling	
6329		Other Recreational Vehicle Dealers	M		Fuel storage & handling	
633x	Gasoline Service Stations					
	6331	Gasoline Service Stations	H		Bulk fuel storage, vehicle maintenance chemicals incl. solvents	
634x	Automotive Parts and Accessories					
	6341	Home and Auto Supply Stores	L			
	6342	Tire, Battery, Parts and Accessories Stores	L			
635x	Motor Vehicle Repair Shops					
	6351	Garages (General Repairs)	H		Bulk fuel storage, vehicle maintenance chemicals incl. solvents	
	6352	Paint and Body Repair Shops	H		Bulk chemical storage, fuel storage, equipment maintenance	
	6353	Muffler Replacement Shops	H		Bulk fuel storage, vehicle maintenance chemicals incl. solvents	
	6354	Motor Vehicle Glass Replacement Shops	M		Chemical storage (glues, solvents, paints, dyes)	
	6355	Motor Vehicle Transmission Repair and Replacement Shops	H		Bulk fuel storage, vehicle maintenance chemicals incl. solvents	
	6359	Other Motor Vehicle Repair Shops	H		Bulk fuel storage, vehicle maintenance chemicals incl. solvents	
639x	Other Motor Vehicle Services					
	6391	Car Washes	M		Chemical storage, equipment maintenance/cleaning products	
	6399	Other Motor Vehicle Services n.e.c.	M		Chemical storage, equipment maintenance/cleaning products	
64xx General Retail Merchandising Industries						
641x	General Merchandise					
	6411	Department Stores	L			
	6412	General Stores	L			
	6413	Other General Merchandise Stores	L			
65xx Other Retail Store Industries						
651x	Book and Stationery					
	6511	Book and Stationery Stores	L			
	652x	Florists, Lawn and Garden Centers				

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
		6521 Florist Shops		L	
		6522 Lawn and Garden Centres		M	Chemical storage (pesticides, herbicides)
	653x	Hardware, Paint, Glass and Wallpaper Stores			
		6531 Hardware Stores		M	Chemical storage (glues, solvents, paints, dyes)
		6532 Paint, Glass and Wallpaper Stores		M	Chemical storage (glues, solvents, paints, dyes)
	654x	Sporting Goods and Bicycle Shops			
		6541 Sporting Goods Stores		L	
		6542 Bicycle Shops		L	
	655x	Musical Instrument and Record Stores			
		6551 Musical Instrument Stores		L	
		6552 Record and Tape Stores		L	
	656x	Jewellery Stores and Watch and Jewellery Repair Shops			
		6561 Jewellery Stores		L	
		6562 Watch and Jewellery Repair Shops		L	
	657x	Camera and Photographic Supply			
		6571 Camera and Photographic Supply Stores		L	
	658x	Musical Instrument and Record Stores			
		6581 Toy and Hobby Stores		L	
		6582 Gift, Novelty and Souvenir Stores		L	
	659x	Other Retail Stores			
		6591 Second-Hand Merchandise Stores n.e.c.		L	
		6592 Opticians' Shops		L	
		6593 Art Galleries and Artists' Supply Stores		L	
		6594 Luggage and Leather Goods Stores		L	
		6595 Monument and Tombstone Dealers		L	
		6596 Pet Stores		L	
		6597 Coin and Stamp Dealers		L	
		6598 Mobile Home Dealers		L	
		6599 Other Retail Stores n.e.c.		L	
69xx Non-Store Retail Industries					
	691x	Vending Machine Operators			
		6911 Vending Machine Operators		L	
	692x	Direct Sellers			
		6921 Direct Sellers		L	
Division K--Finance and Insurance Industries					
70xx Deposit Accepting Intermediary Industries					
	701x	Central Bank			
		7011 Central Bank		L	
	702x	Chartered Banks and Other Banking-Type Intermediaries			
		7021 Chartered Banks		L	
		7029 Other Banking-Type Intermediaries		L	
	703x	Trust Companies			
		7031 Trust Companies		L	
	704x	Deposit Accepting Mortgage Companies			
		7041 Deposit Accepting Mortgage Companies (except Co-operatives)		L	
		7042 Co-operative Mortgage Companies		L	
	705x	Credit Unions			
		7051 Local Credit Unions		L	
		7052 Central Credit Unions		L	
	709x	Other Deposit Accepting Intermediaries			
		7099 Other Deposit Accepting Intermediaries		L	
71xx Consumer and Business Financing Intermediary Industries					
	711x	Consumer Loan Companies			
		7111 Consumer Loan Companies		L	
	712x	Business Financing Companies			
		7121 Sales Finance Companies		L	

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
		7122	Credit Card Companies	L	
		7123	Factoring Companies	L	
		7124	Financial Leasing Companies	L	
		7125	Venture Capital Companies	L	
		7129	Other Business Financing Companies	L	
72xx Investment Intermediary Industries					
	721x	Portfolio Investment Intermediaries			
		7211	Investment (Mutual) Funds	L	
		7212	Retirement Savings Funds	L	
		7213	Segregated Funds	L	
		7214	Investment Companies	L	
		7215	Holding Companies	L	
	722x	Mortgage Companies			
		7221	Mortgage Investment Companies	L	
		7222	Real Estate Investment Trusts	L	
		7229	Other Mortgage Companies	L	
	729x	Other Investment Intermediaries			
		7291	Trusted Pension Funds	L	
		7292	Estate, Trust and Agency Funds	L	
		7299	Other Investment Intermediaries n.e.c.	L	
73xx Insurance Industries					
	731x	Life Insurers			
		7311	Life Insurers	L	
	732x	Deposit Insurers			
		7321	Deposit Insurers	L	
	733x	Property and Casualty Insurers			
		7331	Health Insurers	L	
		7339	Other Property and Casualty Insurers	L	
74xx Other Financial Intermediary Industries					
	741x	Security Brokers and Dealers			
		7411	Investment Dealers	L	
		7412	Stock Brokers	L	
		7413	Commodity Brokers	L	
	742x	Mortgage Brokers			
		7421	Mortgage Brokers	L	
	743x	Security and Commodity Exchanges			
		7431	Stock Exchanges	L	
		7432	Commodity Exchanges	L	
	749x	Other Financial Intermediaries n.e.c.			
		7499	Other Financial Intermediaries n.e.c.	L	
Division L--Real Estate Operator and Insurance Agent Industries					
75xx Real Estate Operators Industries (except Developers)					
	751x	Operators of Buildings and Dwellings			
		7511	Operators of Residential Buildings and Dwellings	L	
		7512	Operators of Non-Residential Buildings	L	
	759x	Other Real Estate Operators			
		7599	Other Real Estate Operators	L	
76xx Insurance and Real Estate Agent Industries					
	761x	Insurance and Real Estate Agencies			
		7611	Insurance and Real Estate Agencies	L	
Division M--Business Service Industries					
77xx Business Service Industries					
	771x	Employment Agencies and Personnel Suppliers			
		7711	Employment Agencies	L	
		7712	Personnel Suppliers	L	
	772x	Computer and Related Services			

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
		7721 Computer Services		L	
		7722 Computer Equipment Maintenance and Repair		L	
	773x	Accounting and Bookkeeping Services			
		7731 Offices Of Chartered and Certified Accountants		L	
		7739 Other Accounting and Bookkeeping Services		L	
	774x	Advertising Services			
		7741 Advertising Agencies		L	
		7742 Media Representatives		L	
		7743 Outdoor Display and Billboard Advertising		L	
		7749 Other Advertising Services		L	
	775x	Architectural, Engineering and Other Scientific and Technical Services			
		7751 Offices of Architects		L	
		7752 Offices of Engineers		L	
		7759 Other Scientific and Technical Services		L	
	776x	Offices of lawyers and Notaries			
		7761 Offices of Lawyers and Notaries		L	
	777x	Management Consulting Services			
		7771 Management Consulting Services		L	
	779x	Others Business Services			
		7791 Security and Investigation Services		L	
		7792 Credit Bureau Services		L	
		7793 Collection Agencies		L	
		7794 Customs Brokers		L	
		7795 Telephone Answering Services		L	
		7796 Duplicating Services		L	
		7799 Other Business Services n.e.c.		L	
Division N--Government Service Industries					
81xx Federal Government Service Industries					
	811x	Defense Services			
		8111 Defense Services		L	
	812x	Protective Services			
		8121 Courts Of Law		L	
		8122 Correctional Services		L	
		8123 Police Services		L	
		8125 Regulatory Services		L	
		8129 Other Protective Services		L	
	813x	Labour, Employment and Immigration Services			
		8131 Labour and Employment Services		L	
		8132 Immigration Services		L	
		8139 Other Labour, Employment and Immigration Services		L	
	814x	Foreign Affairs and International Assistance			
		8141 Foreign Affairs		L	
		8142 International Assistance		L	
	815x	General Administrative Services			
		8151 Executive and Legislative Administration		L	
		8152 Finance and Economic Administration		L	
		8153 Taxation Administration		L	
		8154 Intergovernmental Affairs Administration		L	
		8159 Other General Administrative Services		L	
	816x	Human Resource Administration			
		8161 Health Administration		L	
		8162 Social Service Administration		L	
		8163 Education Administration		L	
		8164 Recreation and Culture Administration		L	
	817x	Economic Services Administration			
		8171 Transportation and Communication Administration		L	

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
		8172 Resource Conservation and Industrial Development Administration	L		
		8173 Environment Administration	L		
		8174 Housing Administration	L		
		8175 Regional Planning and Development Administration	L		
		8176 Research Administration	L		
82xx	Provincial and Territorial Government Service Industries				
	822x	Protective Services			
		8221 Courts Of Law	L		
		8222 Correctional Services	L		
		8223 Police Services	L		
		8224 Firefighting Services	L		
		8225 Regulatory Services	L		
		8229 Other Protective Services	L		
	823x	Labour and Employment Services			
		8231 Labour and Employment Services	L		
	825x	General Administrative Services			
		8251 Executive and Legislative Administration	L		
		8252 Finance and Economic Administration	L		
		8253 Taxation Administration	L		
		8254 Intergovernmental Affairs Administration	L		
		8259 Other General Administrative Services	L		
	826x	Human Resource Administration			
		8261 Health Administration	L		
		8262 Social Service Administration	L		
		8263 Education Administration	L		
		8264 Recreation and Culture Administration	L		
	827x	Economic Services Administration			
		8271 Transportation and Communication Administration	L		
		8272 Resource Conservation and Industrial Development Administration	L		
		8273 Environment Administration	L		
		8274 Housing Administration	L		
		8275 Regional Planning and Development Administration	L		
		8276 Research Administration	L		
83xx	Local Government Service Industries				
	832x	Protective Services			
		8321 Courts Of Law	L		
		8322 Correctional Services	L		
		8323 Police Services	L		
		8324 Firefighting Services	L		
		8325 Regulatory Services	L		
		8329 Other Protective Services	L		
	835x	General Administrative Services			
		8351 Executive and Legislative Administration	L		
		8352 Finance and Economic Administration	L		
		8353 Taxation Administration	L		
		8354 Intergovernmental Affairs Administration	L		
		8359 Other General Administrative Services	L		
	836x	Human Resource Administration			
		8361 Health Administration	L		
		8362 Social Service Administration	L		
		8363 Education Administration	L		
		8364 Recreation and Culture Administration	L		
	837x	Economic Services Administration			
		8371 Transportation Administration	L		
		8372 Resource Conservation and Industrial Development Administration	L		
		8373 Environment Administration	L		

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
		8374 Housing Administration		L	
		8375 Regional Planning and Development Administration		L	
84xx		International and Other Extra-Territorial Government Service Industries			
		841x International and Other Extra-Territorial Agencies			
		8411 International and Other Extra-Territorial Agencies		L	
Division O--Educational Service Industries					
85xx		Educational Service Industries			
		851x Elementary and Secondary Education			
		8511 Elementary and Secondary Education		L	
		852x Post-Secondary Non-university Education			
		8521 Post-Secondary Non-University Education		L	
		853x University Education			
		8531 University Education		L	
		854 Library Services			
		8541 Library Services		L	
		855x Museums and Archives			
		8551 Museums and Archives		L	
		859x Other Educational Services			
		8599 Other Educational Services		L	
Division P--Health and Social Service Industries					
86xx		Health and Social Service Industries			
		861x Hospitals			
		8611 General Hospitals		M	Fuel storage & handling
		8612 Rehabilitation Hospitals		M	Fuel storage & handling
		8613 Extended Care Hospitals		M	Fuel storage & handling
		8614 Mental (Psychiatric) Hospitals		M	Fuel storage & handling
		8615 Addiction Hospitals		M	Fuel storage & handling
		8616 Nursing Stations and Outpost Hospitals		M	Fuel storage & handling
		8617 Children's (Pediatric) Hospitals		M	Fuel storage & handling
		8619 Other Specialty Hospitals		M	Fuel storage & handling
		862x Other Institutional Health and Social Services			
		8621 Homes for Personal and Nursing Care		L	
		8622 Homes for Physically Handicapped and/or Disabled		L	
		8623 Homes for Mentally Retarded		L	
		8624 Homes for Mentally Handicapped and/or Disabled		L	
		8625 Homes for Emotionally Disturbed Children		L	
		8626 Homes for Alcohol/Drug Addicts		L	
		8627 Homes for Children in Need of Protection		L	
		8628 Homes for Single Mothers		L	
		8629 Other Institutional Health and Social Services n.e.c.		L	
		863x Non-Institutional Health Services			
		8631 Ambulance Services		L	
		8632 Drug Addiction and Alcoholism Treatment Clinics		L	
		8633 Health Rehabilitation Clinics		L	
		8634 Home Care Services (including Home Nursing)		L	
		8635 Public Health Clinics/Community Health Centres		L	
		8639 Other Non-Institutional Health Services		L	
		864x Non-Institutional Social Services			
		8641 Child Day-Care and Nursery School Services		L	
		8642 Child Welfare Services		L	
		8643 Family Planning Services		L	
		8644 Sheltered Workshops		L	
		8645 Home-Maker Services		L	
		8646 Meal Services (Non-Commercial)		L	
		8647 Social Rehabilitation Services		L	
		8648 Crisis Intervention		L	

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	8649	Other Non-Institutional Social Services			
	865x	Offices of Physicians, Surgeons and Dentists, Private Practice		L	
	8651	Offices of Physicians, General Practice		L	
	8652	Offices of Physicians and Surgeons, Specialists		L	
	8653	Offices of Dentists, General Practice		L	
	8654	Offices of Dentists, Specialists		L	
	866x	Offices of Other Health Practitioners			
	8661	Offices of Chiropractors and Osteopaths		L	
	8662	Offices of Nurses, Registered		L	
	8663	Offices of Nurses, Practical		L	
	8664	Offices of Nutritionists/Dietitians		L	
	8665	Offices of Physiotherapist/Occupational Therapists		L	
	8666	Offices of Optometrists		L	
	8667	Offices of Podiatrists and Chiropodists		L	
	8668	Offices of Denturists		L	
	8669	Offices of Other Health Practitioners		L	
	867x	Offices of Social Services Practitioners			
	8671	Offices of Psychologists		L	
	8672	Offices of Social Workers		L	
	8679	Offices of Other Social Service Practitioners		L	
	868x	Medical and Other Health Laboratories			
	8681	Medical Laboratories		M	Chemical storage
	8682	Radiological Laboratories		M	Chemical storage
	8683	Combined Medical and Radiological Laboratories		M	Chemical storage
	8684	Public Health Laboratories		M	Chemical storage
	8685	Blood Bank Laboratories		M	Chemical storage
	8689	Other Health Laboratories		M	Chemical storage
	869x	Health and Social service Associations and Agencies			
	8691	Health Care and Public Safety Promotion Associations and Agencies		L	
	8692	Health Care Standards Agencies		L	
	8693	Health Care Research Agencies		L	
	8694	Social Service Planning and Advocacy Agencies		L	
	8699	Other Health and Social Service Associations and Agencies		L	
Division Q--Accommodation, Food and Beverage Service Industries					
91xx Accommodation Service Industries					
	911x	Hotels, Motels and Tourist Court			
	9111	Hotels and Motor Hotels		L	
	9112	Motels		L	
	9113	Tourist Courts and Cabins		L	
	9114	Guest Houses and Tourist Homes		L	
	912x	Lodging Houses and Residential Clubs			
	9121	Lodging Houses and Residential Clubs		L	
	913x	Camping Grounds and Travel Trailer Parks			
	9131	Camping Grounds and Travel Trailer Parks		L	
	914x	Recreation and vacation Camps			
	9141	Outfitters (Hunting and Fishing Camps)		L	
	9149	Other Recreation and Vacation Camps		L	
	92xx	Food and Beverage Service Industries			
	921x	Food Services			
	9211	Restaurants, Licensed		L	
	9212	Restaurants, Unlicensed (including Drive-Ins)		L	
	9213	Take-Out Food Services		L	
	9214	Caterers		L	
	922x	Taverns, Bars and Night Clubs			
	9221	Taverns, Bars and Night Clubs		L	

Division R--Other Service Industries

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
96xx Amusement and Recreational Service Industries					
	961x	Motion Picture, Audio and video Production and Distribution			
		9611 Motion Picture and Video Production	L		
		9612 Motion Picture and Video Distribution	L		
		9613 Motion Picture Laboratories and Video Production Facilities	L		
		9614 Sound Recording Services	L		
		9619 Other Motion Picture, Audio and Video Services	L		
	962x	Motion Picture Exhibition			
		9621 Regular Motion Picture Theatres	L		
		9622 Outdoor Motion Picture Theatres	L		
		9629 Other Motion Picture Exhibition	L		
	963x	Theatrical and Other Staged Entertainment Services			
		9631 Entertainment Production Companies and Artists	L		
		9639 Other Theatrical and Staged Entertainment Services	L		
	964x	Commercial Spectator Sports			
		9641 Professional Sports Clubs	L		
		9642 Professional Athletes and Promoters, Own Account	L		
		9643 Horse Race Tracks	M		Chemical storage (veterinary chemicals)
		9644 Other Race Tracks	M		Fuel storage, equipment maintenance products
	965x	Sports and Recreation Clubs and Services			
		9651 Golf Courses	M		Chemical storage (pesticides, herbicides)
		9652 Curling Clubs	L		
		9653 Skiing Facilities	L		
		9654 Boat Rentals and Marinas	M		Fuel storage, equipment maintenance products
		9659 Other Sports and Recreation Clubs	L		
	966x	Gambling Operations			
		9661 Gambling Operations	L		
	969x	Other Amusement and Recreational Services			
		9691 Bowling Alleys and Billiard Parlours	L		
		9692 Amusement Park, Carnival and Circus Operations	L		
		9693 Dance Halls, Studios and Schools	L		
		9694 Coin-Operated Amusement Services	L		
		9695 Roller Skating Facilities	L		
		9696 Botanical and Zoological Gardens	L		
		9699 Other Amusement and Recreational Services n.e.c.	L		
97xx Personal and Household Service Industries					
	971x	Barber and beauty Shops			
		9711 Barber Shops	L		
		9712 Beauty Shops	L		
		9713 Combination Barber and Beauty Shops	L		
	972x	Laundries and Cleaners			
		9721 Power Laundries and/or Dry Cleaners	H		Chemical storage (including chlorinated solvents)
		9722 Distributors and/or Agents for Dry Cleaner	L		
		9723 Self-Serve Laundries and/or Dry Cleaners	H		Chemical storage (including chlorinated solvents)
		9724 Valet Services, Pressing and/or Repair	L		
		9725 Linen Supply	L		
		9726 Carpet Cleaning	L		
		9729 Other Laundry and Dry Cleaning Services	H		Chemical storage (including chlorinated solvents)
	973x	Funeral Services			
		9731 Funeral Homes	M		Chemical storage
		9732 Cemeteries and Crematoria	M		Chemical storage
	974x	Private Households			
		9741 Private Households	L		
	979x	Other Personal and Household Services			
		9791 Shoe Repair	L		
		9792 Fur Cleaning, Repair and Storage	L		

SIC		Industry	Ranking		Comments
Major Group	Minor Group		(L-M-H)		
	9799	Other Personal and Household Services n.e.c.	L		
98xx Membership Organization Industries					
981x	Religious Organizations				
	9811	Religious Organizations	L		
982x	Business Associations				
	9821	Business Associations	L		
983x	Professional Membership Associations				
	9831	Professional Health and Social Service Membership Associations	L		
	9839	Other Professional Membership Associations	L		
984x	Labour Organizations				
	9841	Labour Organizations	L		
985x	Political Organizations				
	9851	Political Organizations	L		
986x	Civic and Fraternal Organizations				
	9861	Civic and Fraternal Organizations	L		
99xx Other Service Industries					
991x	Machinery and Equipment Rental and Leasing Services				
	9911	Industrial Machinery and Equipment Rental and Leasing	L		
	9912	Audio-Visual Equipment Rental and Leasing	L		
	9913	Office Furniture and Machinery Rental and Leasing	L		
	9919	Other Machinery and Equipment Rental and Leasing	L		
992x	Automobile and Truck Rental and Leasing Services				
	9921	Automobile and Truck Rental and Leasing Services	L		
993x	Photographers				
	9931	Photographers	L		
994x	Other Repair Services				
	9941	Electric Motor Repair	M	Chemical storage, equipment maintenance/cleaning products	
	9942	Welding	M	Chemical storage, equipment maintenance/cleaning products	
	9949	Other Repair Services n.e.c.	M	Chemical storage, equipment maintenance/cleaning products	
995x	services to Building and Dwellings				
	9951	Disinfecting and Exterminating Services	M	Chemical storage (pesticides, herbicides)	
	9952	Window Cleaning Services	M	Chemical storage, equipment maintenance/cleaning products	
	9953	Janitorial Services	M	Chemical storage, equipment maintenance/cleaning products	
	9959	Other Services to Buildings and Dwellings	L		
996x	Travel Services				
	9961	Ticket and Travel Agencies	L		
	9962	Tour Wholesalers and Operators	L		
999x	Other Services				
	9991	Parking Lots and Parking Garages	M	Salt use/storage	
	9999	Other Services n.e.c.	L		

Appendix C: Threat Ranks by Property Tax Assessment Code

PropCode	Description	THREAT_RANK	COMMENTS
100	Vacant residential land not on water (1)	Low	
101	Second tier vacant lot	Low	
102	Conservation Authority Land (2)	Low	
103	Municipal park (excludes Provincial parks, Federal parks, campgrounds) (2)	Low	
105	Vacant commercial land (1)	Low	
106	Vacant industrial land (1)	Low	
107	Provincial Park	Low	
108	Federal Park	Low	
109	Large land holdings, greater than 1000 acres	Low	
110	Vacant residential/recreational land on water (1)	Low	
111	Island under single ownership (1)	Low	
112	Multi-residential vacant land (1)	Low	
113	Condominium development land - residential	Low	
114	Condominium development land - non residential	Low	
115	Property in process of redevelopment utilizing existing structure(s)	No Category	Not able to categorize
120	Water lot (entirely under water)	Low	
125	Residential Development land	Low	
127	Townhouse block - freeholds	Low	
130	Non - buildable land (walkways, buffer/berm, storm water management pond, etc)	Low	
134	Land designated and zoned for open space	Low	
140	Common Land	Low	
150	Mining lands - patented	Low	
151	Mining lands - unpatented	Low	
155	Land associated with power dam	Low	
169	Vacant land condominium (residential)	Low	
200	Farm property without any buildings/structures	No Category	see Rural Threats Inventory
201	Farm with residence (with or without secondary structures); no farm outbuildings	No Category	see Rural Threats Inventory
210	Farm without a residence - with secondary structures; with farm outbuildings	No Category	see Rural Threats Inventory
211	Farm with a residence (with or without secondary structures); with farm outbuildings	No Category	see Rural Threats Inventory
220	Farm without a residence but having a commercial/industrial operation	Medium	possible fuel or manufacturing related threat
221	Farm with a residence and having a commercial/industrial operation	Medium	possible fuel or manufacturing related threat
222	Farm with a winery	No Category	see Rural Threats Inventory
223	Grain/seed and feed operation	No Category	see Rural Threats Inventory
224	Tobacco farm	No Category	see Rural Threats Inventory
225	Ginseng farm	No Category	see Rural Threats Inventory
226	Exotic farms, i.e emu, ostrich, pheasant, bison, elk, deer	No Category	see Rural Threats Inventory
227	Nut Orchard	No Category	see Rural Threats Inventory
228	Farm with gravel pit	Medium	Fuel storage, waste storage, de-icing, dust suppression
229	Farm with campground/mobile home park	No Category	see Rural Threats Inventory
230	Intensive farm operation without residence	No Category	see Rural Threats Inventory
231	Intensive farm operation with residence	No Category	see Rural Threats Inventory
232	Large scale greenhouse operation	Medium	Nutrient storage, chemical storage (agricultural chemicals & equipment maintenance)
233	large scale swine operation	No Category	see Rural Threats Inventory
234	Large scale poultry operation	No Category	see Rural Threats Inventory
235	Government - agriculture research facility - predominately farm property	No Category	see Rural Threats Inventory
236	Farm with oil/gas well(s)	High	Bulk Petroleum storage, chemical storage
240	Managed forest property, vacant land not on water	Low	
241	Managed forest property, vacant land on water	Low	
242	Managed forest property, seasonal residence not on water	Low	
243	Managed forest property, seasonal residence on water	Low	
244	Managed forest property, residence not on water	Low	
245	Managed forest property, residence on water	Low	

PropCode	Description	THREAT_RANK	COMMENTS
260	Vacant residential/commercial/industrial owned by a non-farmer with a portion being farmed	No Category	see Rural Threats Inventory
261	Land owned by a non-farmer improved with a non-farm residence, with a portion being farmed	No Category	see Rural Threats Inventory
262	Land owned by a farmer improved with a non - farm residence with a portion being farmed	No Category	see Rural Threats Inventory
301	Single family detached (not on water)	Low	
302	More than one structure used for residential purposes with at least one of the structures occupied permanently	Low	
303	Residence with a commercial unit (e.g. doctor's office, agency)	Low	
304	Residence with a commercial/industrial use building	Medium	possible fuel or manufacturing related threat
305	Link home	Low	
306	Boathouse with residence above	Low	
307	Community lifestyle	Low	
309	Freehold townhouse/rowhouse	Low	
311	Semi-detached residential	Low	
313	Single family detached on water	Low	
314	Clergy residence	Low	
322	Semi-detached with both units under one ownership	Low	
332	Duplex	Low	
333	Residential property with three self-contained units (1)	Low	
334	Residential property with four self-contained units (1)	Low	
335	Residential property with five self-contained units (1)	Low	
336	Residential property with six self-contained units (1)	Low	
340	Multi-residence, with seven or more self-contained units; (excludes row housing) (1)	Low	
341	Multi-residence, with seven or more self -contained residential units, with small commercial unit (s)	Low	
350	Row housing, with three to six units under single ownership	Low	
352	Row housing, with seven or more units under single ownership	Low	
360	Rooming or boarding house	Low	
361	Bachelorette, typically a converted house with seven or more self-contained units	Low	
363	Housekeeping cottages - no American plan	Low	
364	Housekeeping cottages - less than 50% American plan	Low	
365	Group home as defined in clause 240 (1) of the Municipal Act 236(1)(a)	Low	
366	Student housing - (off campus)	Low	
368	Residential Dockominium	Low	
369	Vacant land condominium (residential-improved)	Low	
370	Residential condominium	Low	
371	Life lease - No redemption (no or limited redemption amounts)	Low	
372	Life lease - Return on Invest (guaranteed return or market value based return on investment)	Low	
373	Cooperative housing - equity	Low	
374	Cooperative housing - non-equity	Low	
375	Co-ownership	Low	
376	Condominium locker unit	Low	
377	Condominium parking space unit	Low	
378	Residential leasehold condominium corporation	Low	
379	Residential phased condominium corporation	Low	
380	Residential common elements condominium corporation	Low	
381	Mobile home	Low	
382	Mobile home park	Low	
383	Bed and Breakfast establishment	Low	

PropCode	Description	THREAT_RANK	COMMENTS
385	Time-share, fee simple	Low	
386	Time-share, right-to-use	Low	
391	Seasonal/recreational dwelling(s) - first tier on water	Low	
392	Seasonal/recreational dwelling(s) - second tier on water	Low	
395	Seasonal/recreational dwelling(s) - not located on water	Low	
400	Small office building, generally single tenant or owner-occupied under 7, 500 sq ft	Low	
401	Small Medical/dental building, generally single tenant or owner-occupied under 7, 500 sq ft	Low	
402	Large office building, generally multi-tenanted, over 7, 500 sq ft	Low	
403	Large medical/dental building, generally multi-tenanted over 7, 500 sq ft	Low	
405	Office use converted from house	Low	
406	Retail use converted from house	Low	
407	Retail Lumber yard	Low	
408	Freestanding Beer Store or LCBO - not associated with power or shopping centre	Low	
409	Retail - one storey, generally over 10, 000 sq ft	Low	
410	Retail - one storey, generally under 10, 000 sq ft	Low	
411	Restaurant - conventional	Low	
412	Restaurant - fast food	Low	
413	Restaurant -conventional, national chain	Low	
414	Restaurant -fast food, national chain	Low	
415	Cinema/movie house/drive-in	Low	
416	Concert hall/live theatre	Low	
417	Entertainment complex - with a large cinema as anchor tenant	Low	
419	Automotive service centre, Highway 400 series highways	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
420	Automotive fuel station with or without service facilities	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
421	Specialty automotive shop/auto repair/collision service/car or truck wash	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
422	Auto dealership	Medium	Fuel storage, equipment maintenance products
423	Auto dealership - independent dealer or used vehicles	Medium	Fuel storage, equipment maintenance products
425	Neighbourhood shopping centre with more than two stores attached and under one ownership, with anchor - generally less than 150, 000 sq ft	Low	
426	Small box shopping centre less than 100, 000 sq ft. Minimum three box stores with one anchor (large grocery or discount store)	No Category	Salt non-point threat
427	Big box shopping/power centre, greater than 100, 000 sq ft with two or more main anchors, such as discount or grocery stores, with a collection of box or strip stores and in a commercial concentration concept	No Category	Salt non-point threat
428	Regional shopping centre	No Category	Salt non-point threat
429	Community shopping centre	Low	
430	Neighbourhood shopping centre, including more than two stores attached and under one ownership	Low	
431	Department store	Low	
432	Banks and similar financial institutions, including credit unions - typically single -tenanted, generally less than 7,500 sq ft	Low	
433	Banks and similar financial institutions, including credit unions - typically multi - tenanted, generally greater than 7,500 sq ft	Low	
434	Free standing supermarket	Low	
435	Large retail building centre - generally greater than 30,000 sq ft	No Category	Salt non-point threat
436	Free-standing large retail store, national chain - generally greater than 30,000 sq ft	No Category	Salt non-point threat
438	Neighbourhood shopping centre with offices above	Low	
441	Tavern/public house/small hotel	Low	
444	Full service hotel	Low	
445	Limited service hotel	Low	
446	Apartment hotel	Low	

PropCode	Description	THREAT_RANK	COMMENTS
447	Condominium Hotel Unit	Low	
450	Motel	Low	
451	Seasonal motel	Low	
460	Resort hotel	Low	
461	Resort Lodge	Low	
462	Country inns & small inns	Low	
463	Fishing/hunting lodges/resorts	Low	
465	Child and community oriented camp/resorts	Low	
470	Multi-type complex - defined as large multi-used complex consisting of retail/office and other uses (multi res/condominium/hotel)	Low	
471	Retail or office with residential unit(s) (above or behind) less than 10,000 sq ft gross building area (GBA), street or onsite parking, with six or less apartments, older downtown core	Low	
472	Retail or office with residential unit (s) above or behind -greater than 10, 000 sq ft gross building area (GBA), street or onsite parking, with seven or more apartments, older downtown core	Low	
473	Retail with more than one non-retail use	Low	
475	Commercial condominium	Low	
476	Commercial condominium (live/work)	Low	
477	Retail with office (s) - less than 10, 000 sq ft gross building area (GBA) with offices above	Low	
478	Retail with office (s) - greater than 10, 000 sq ft gross building area (GBA) with offices above	Low	
480	Surface parking lot - excludes parking facilities that are used in conjunction with another property	No Category	Salt non-point threat
481	Parking garage - excludes parking facilities that are used in conjunction with another property	Low	
482	Surface parking lot-used in conjunction with another property	No Category	Salt non-point threat
483	Parking garage - used in conjunction with another property	Low	
486	Campground	Low	
487	Billboard	Low	
489	Driving range/golf centre - stand-alone, not part of a regulation golf course	Low	
490	Golf course	Medium	Chemical storage (pesticides, herbicides)
491	Ski resort	Low	
492	Marina - Located on water front - defined as a commercial facility for the maintenance, storage, service and/or sale of watercraft	Medium	Fuel storage, equipment maintenance products
493	Marina - Not located on waterfront - defined as a commercial facility for the maintenance, storage, service and/or sale of watercraft	Medium	Fuel storage, equipment maintenance products
495	Communication towers - with or without secondary communication structures	Medium	Fuel storage, equipment maintenance products
496	Communication buildings	Low	
500	Mines, active	High	Bulk wastes containing metals, acids, alkaline
501	Mines, - inactive, including properties where closure plans invoked	High	Bulk wastes containing metals, acids, alkaline
502	Mine tailings site associated with an active mine	High	Bulk wastes containing metals, acids, alkaline
503	Mine tailing site not associated with an active mine	High	Bulk wastes containing metals, acids, alkaline
504	Oil/gas wells	High	Bulk Petroleum storage, chemical storage
505	Sawmill/lumber mill	High	Chemical storage (wood preservation/treatment)
506	Forest products - including value added plywood/veneer plants	Medium	Chemicals, wastes & fuels (glues, solvents, paints, dyes)
510	Heavy manufacturing (non-automotive)	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
511	Pulp and Paper mill	High	Pulp manufacturing, waste products (black liquors etc.)
512	Cement/asphalt manufacturing plant	Medium	Chemicals, wastes & fuels (acids, alkalis, metals, solvents)
513	Steel Mill	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
514	Automotive assembly plant	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals

PropCode	Description	THREAT_RANK	COMMENTS
515	Shipyard/drydock	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
516	Automotive parts production plant	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
517	Specialty steel production (mini mills)	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
518	Smelter/ore processing	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
519	Foundry	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
520	Standard industrial properties not specifically identified by other Industrial Property Codes	High	Metal manufacturing chemicals & wastes incl. chlorinated solvents, metals
521	Distillery/brewery	Low	
522	Grain elevators - Great Lakes waterway	Low	
523	Grain handling - primary elevators (including feedmills)	Low	
525	Process elevators - flour mills, oilseed crushing, malt houses	Low	
527	Abattoir/slaughter house/rendering plants	Low	
528	Food processing plant	Low	
529	Freezer plant/cold storage	Medium	Fuel storage, equipment maintenance products
530	Warehousing	Medium	Fuel storage, equipment maintenance products
531	Mini-warehousing	Low	
532	Dry Cleaning Plant	High	Bulk chemical storage
535	Research and development facilities	Low	
540	Other industrial (all other types not specifically defined)	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
541	Printing Plant	Medium	Chemicals, wastes & fuels (inks, solvents)
544	Truck Terminal	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
545	Major Distribution centre	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
550	Petro-chemical plant	High	Bulk Petroleum storage, chemical storage
551	Oil refinery	High	Bulk Petroleum storage, chemical storage
552	Tank farm	High	Bulk Petroleum storage, chemical storage
553	Bulk oil/fuel distribution terminal	High	Bulk Petroleum storage, chemical storage
555	OPG hydraulic generating station	High	Bulk Petroleum storage, chemical storage
556	OPG nuclear generating station	High	Bulk Petroleum storage, chemical storage
557	OPG fossil generating station	High	Bulk Petroleum storage, chemical storage
558	Hydro One transformer station	Medium	Fuel storage, equipment maintenance products
559	Municipal Electricity Utility generating station	Medium	Fuel storage, equipment maintenance products
560	Municipal Electricity Utility transformer station	Medium	Fuel storage, equipment maintenance products
561	Hydro One right-of-way	Medium	Fuel handling, equipment maintenance products, herbicides, PCBs
562	Private hydro rights-of-way	Medium	Fuel handling, equipment maintenance products, herbicides, PCBs
563	Private hydraulic generating station	Medium	Fuel storage, equipment maintenance products
564	Private nuclear generating station	High	Bulk Petroleum storage, chemical storage
565	Private generating station (fossil fuel and Cogen)	High	Bulk Petroleum storage, chemical storage
566	Private transformer station	Medium	Fuel handling, equipment maintenance products, herbicides, PCBs
567	Wind turbine	Low	
575	Industrial condominium	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
580	Industrial mall	Medium	Chemical , wastes & fuels, equipment maintenance products (gen. manufacturing)
588	Pipelines - transmissions, distribution, field & gathering and all other types including distribution connections	High	Bulk Petroleum storage, chemical storage
589	Compressor station - structures and turbines used in connection with transportation and distribution of gas	Medium	Fuel storage, equipment maintenance products
590	Water treatment/filtration/water towers/pumping station	Low	
591	Sewage treatment/waste pumping/waste disposal	High	Waste storage
592	Dump/transfer station/incineration plant/landfill	High	Waste storage
593	Gravel pit, quarry, sand pit	Medium	Fuel storage, waste storage, de-icing, dust suppression
594	Peat moss operation	Low	
595	Heat or steam plant	Medium	Fuel storage, equipment maintenance products
596	Recycling facility	High	Waste storage

PropCode	Description	THREAT_RANK	COMMENTS
597	Railway right-of-way	Medium	Fuel handling, equipment maintenance products, herbicides, metals
598	Railway buildings and land described as assessable in the Assessment Act	Medium	Fuel handling, equipment maintenance products, herbicides, metals
599	Go transit station/rail yard	Medium	Fuel handling, equipment maintenance products, herbicides, metals
601	Post secondary education - university, community college, etc.	Medium	Fuel & chemical storage
602	Multiple occupancy education institutional residence located on or off campus (e.g. dormitories) Apartments or fraternity/sorority houses not included	Low	
605	School (elementary or secondary, including private)	Low	
608	Day care	Low	
610	Other educational institutions (e.g. schools for blind, deaf, special education and training)	Low	
611	Other institutional residences (e.g. convents)	Low	
621	Hospitals, private and public	Medium	Fuel storage & handling
623	Continuum of Care seniors facility	Low	
624	Retirement/nursing home (combined)	Low	
625	Nursing home	Low	
626	Old age/retirement home	Low	
627	Other health care facilities	Low	
630	Federal penitentiary or correctional facility	Low	
631	Provincial correctional facility	Low	
632	Other correctional facility	Low	
700	Place of worship - with a clergy residence	Low	
701	Place of worship - without a clergy residence	Low	
702	Cemetery	Medium	Chemical storage
703	Cemetery with non-interment services	Medium	Chemical storage
704	Crematorium	Medium	Chemical storage
705	Funeral home	Medium	Chemical storage
710	Recreational sport club - non-commercial (excludes golf clubs and ski resorts)	Low	
711	Bowling alley	Low	
713	Casino	Low	
715	Race track - auto	Medium	Fuel storage, equipment maintenance products
716	Racetrack - horse, with slot facility	Medium	Chemical storage (veterinary chemicals)
717	Race track - horse, without slot facility	Medium	Chemical storage (veterinary chemicals)
718	Exhibition grounds/fair grounds	Low	
720	Commercial sport complex	Low	
721	Non-commercial sports complex	Low	
722	Professional sports complex	Low	
725	Amusement park	Low	
726	Amusement park -large/regional	Low	
730	Museum and/or art gallery	Low	
731	Library and literary institutions	Low	
733	Convention, conference, congress centre	Low	
734	Banquet hall	Low	
735	Assembly hall, community hall	Low	
736	Clubs, private and fraternal	Low	
737	Federal airport	High	Bulk chemical storage, fuel storage, equipment maintenance
738	Provincial airport	High	Bulk chemical storage, fuel storage, equipment maintenance
739	Local government airport	High	Bulk chemical storage, fuel storage, equipment maintenance
740	Airport Leasehold	High	Bulk chemical storage, fuel storage, equipment maintenance
741	Airport Authority	High	Bulk chemical storage, fuel storage, equipment maintenance
742	Public transportation - easements and rights	Low	
743	International bridge/tunnel	Low	
744	Private airport/hanger	Medium	Fuel storage, equipment maintenance products

PropCode	Description	THREAT_RANK	COMMENTS
745	Recreational airport	Medium	Fuel storage, equipment maintenance products
746	Subway station	Low	
748	Transit garage	High	Bulk fuel storage, vehicle maintenance chemicals incl. solvents
749	Public transportation - other	Low	
750	Scientific, pharmaceutical medical research facility (structures predominantly other than office)	Medium	Chemical storage
755	Lighthouses	Medium	Fuel storage, equipment maintenance products
760	Military base or camp (CFB)	Medium	Fuel storage, equipment maintenance products
761	Armoury	Low	
762	Military education facility	Low	
805	Post Office or depot	Low	
806	Postal mechanical sorting facility	Low	
810	Fire Hall	Low	
812	Ambulance Base	Low	
815	Police Station	Low	
822	Government - agricultural research facility - predominantly non-farm property (office building, laboratories)	Medium	Chemical storage
824	Government - wharves and harbours	Medium	Fuel storage, equipment maintenance products
826	Government - special educational facility	Low	
828	Government - canals and locks	Low	
830	Government - navigational facilities	Low	
832	Government - historical site or monument	Low	
840	Port authority - port activities	Medium	Fuel storage, equipment maintenance products
842	Port authority - other activities	Low	