



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4903
Customer Service: 1.877.682.8772

Level 1 Risk and Safety Management Plan (RSMP)
Technical Standards and Safety Act
Propane Storage and Handling Regulation

This Level 1 RSMP applies to:

- a facility with a total propane storage capacity of 5,000 USWG or less; or
- a facility with a fixed propane storage capacity of exactly 5,000 USWG and no more than 500 USWG of portable propane storage capacity on site.

Failure to fully complete this form may result in rejection.
Making a false statement may result in a fine or prosecution under the *Technical Standards and Safety Act*

Licence Number: 000076569177-C

Check applicable type of propane operations:

Cylinder Motor Fill Filling Plant Card/Keylock

Submit along with this completed application a Facility Site Plan and a Map of the Surrounding Area.

SECTION A: GENERAL INFORMATION

The Undersigned applies to TSSA for a review for an RSMP under Ontario's *Technical Standards and Safety Act*, Propane Storage and Handling Regulation.

Company Name: Canadian Tire Corporation Ltd. Ontario Corporation No., if applicable: []

Operator Name (if different from above): (Hani Sharobim - Agent 905-272-1382)

Telephone No. (416) 544-7608 Fax No. (416) 544-6163 E-mail john.lastoria@cantire.com

Street No. 1280 Street Name / 911 Number / Address, if applicable: Yonge Street, 17th Floor

Town / City or Township / County: Toronto Province: Ontario Postal Code: M4P 2V8

Mailing address if different from above:

Street No. [] Street Name / 911 Number / Address, if applicable: PO Box 770, Station K (Account #34421)

Town / City or Township / County: Toronto Province: Ontario Postal Code: M4P 3J5

Information on Container Refill Centre or Filling Plant

Location of facility:

Street No. 1202 Street Name / 911 Number / Address, if applicable: Dundas Street Nearest Major Intersection: Dundas Street and Arena Road

Town / City or Township / County: Mississauga Province: Ontario Postal Code: L5L 2W1

Name of Licence Holder: John Lastoria on behalf of Canadian Tire Corporation

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): Glenn Butt ROT type: 100-08

Municipality (or municipalities if the facility or its hazard distance touches multiple borders): City of Mississauga

Hours of operation: [REDACTED]

This document is valid until the next licence renewal date. You are required by law to notify TSSA of any change of information.

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Print name	Signature	Date (dd-mm-yyyy)
Name of Licence Holder: John Lastoria	[Signature]	14-02-2012
Name of Senior Management person as defined in the Regulation holding the Record of Training: Glen Butt	[Signature]	



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SECTION A: GENERAL INFORMATION (cont'd)

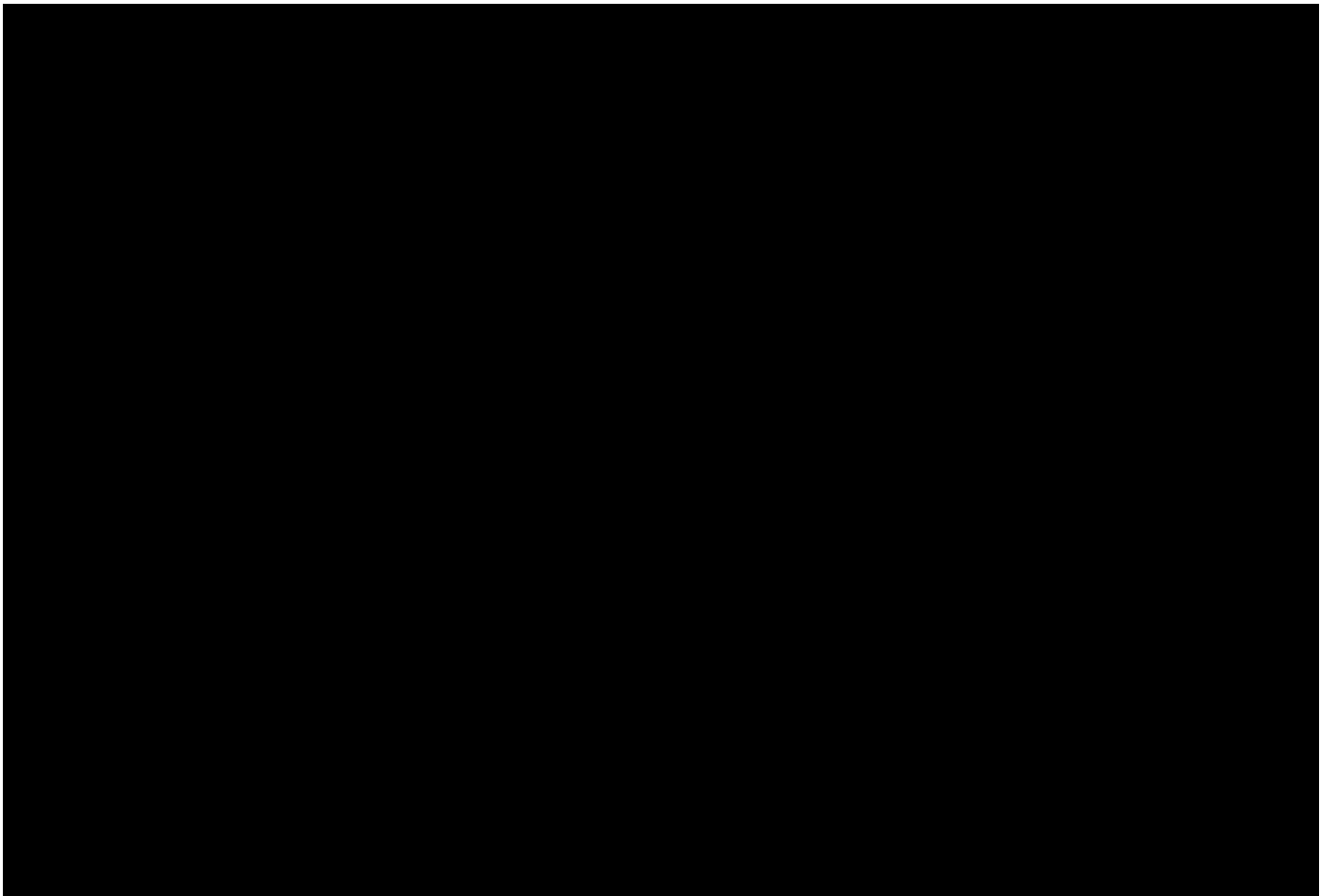
Indicate the year the facility was established. Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment.
2001 None

Identify the psig rating and serial number for each fixed propane storage tank on site.

	PSIG	Serial Number
Tank1:	250 PSIG	B7029-65489TY32, 5-1-82
Tank2:	_____	_____
Tank3:	_____	_____

Enter capacity of propane in USWG, fixed, portable, and mobile, and provide detailed inventory that includes the number of tank/vessel for each type (fixed, portable, and mobile) and the capacity of each tank/vessel, on a separate document.

Fixed: 2000 USWG Portable: 567 USWG Mobile: 0



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Name of person completing this form (please print) John Lastoria	Official Title E H & S Specialist	
Signature 	Telephone No. 416-544-7608	Date (dd-mm-yyyy) 14-02-2012



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SECTION A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s) Superior Propane - Ontario Regional Operations Centre			
Street No. 251	Street Name / 911 Number / Address, if applicable Woodlawn Road West, Unit 217		
Town / City or Township / Country Guelph		Province Ontario	Postal Code N1H 8J1
Telephone No. 1-877-873-7467	Fax No. 519-836-7766	Contact Name Bruce Graham	
E-mail GrahamB@superiorpropane.com			

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>			
Superior Propane - Guelph			
Street No. 7022	Street Name / 911 Number / Address, if applicable Wellington Road 124S		
Town / City or Township / Country Guelph		Province Ontario	Postal Code N1H 6L3
Telephone No. (519) 831-6564	Fax No. N/A	Contact Name Chris VanHerksen	
E-mail vanherkc@superiorpropane.com			

Off-site Cylinder and/or Mobile Storage None	Capacity stored off-site, in USWG	For Office Use - Party No.
Street No.	Street Name / 911 Number / Address, if applicable	
Town / City or Township / Country		Province
Telephone No.	Fax No.	Contact Name

Note: Customer storage is not considered off-site storage.

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN

The licence holder will complete Section B in consultation with the local Fire Services.

Description of the maximum volume, types and storage location of other hazardous materials on site, if any.

Gasoline - The site has underground tanks with a total capacity of 150,000 litres. They are located on the north side of the gasoline dispensers.

An MSDS for regular unleaded gasoline is provided herein. MSDS for premium gasoline and diesel are similar and not included.

Description of fire and emergency equipment indicated on facility site map.

1. Fires Extinguisher Locations: a) Inside gas bar building b) On columns by gasoline dispensers c) At the bulk propane tank filling station
2. Emergency stop push button - near convenience store. This shuts down the pump and closes a solenoid valve upstream of hoses.
3. Power supply breaker inside the gas bar building. This cuts all power to the propane system - shuts down pump; closes solenoid valve.

List of fire protection controls (e.g., fire detection systems, fire notification systems, alarm systems, automatic shut off devices, fusible links, etc.) and describe their function, use and operation.

1. Emergency stop push button. This shuts down the pump and closes a solenoid valve upstream of hoses.
2. Fusible link on ISC valve - isolation valve between the tank and the downstream propane dispensing equipment.
3. Power supply breaker inside the gas bar building. This cuts all power to the propane system - shuts down pump; closes solenoid valve
4. ISC valve interlock bar (interlocked with cabinet door) - ISC valve closes when door is closed.

Maintenance and testing schedule for fire protection controls and devices.

Maintenance and testing is undertaken by Superior Propane according to Superior Propane's Maintenance Standard. Schedule for key equipment is:

1. Pumps (Pump every 3 months; Pump Motor: check belts monthly; grease motor every 6 months); 2. ISC Valves (test for closure every 6 months)
3. Fusible links - inspected every 6 months; 4. Storage tank Relief Valves - inspect every 2 years; replacement schedule as per provincial regulations.
5. Fire extinguishers maintained by Canadian Tire in accordance with Ontario fire regulations. Maintenance records are kept for 5 years.

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

1. Contacts for Emergency Response

1. Facility Contact Personnel - Key Contact

Name
Hani Sharobim

Official Title
Agent

Telephone No. 905-272-1382 Fax No. 905-272-1382

E-mail
1921.dixie_dundas@ctpagent.ca

Role and responsibilities in emergency
Coordinate site response

5. Facility 24-Hour Contact Person

Name
Hani Sharobim

Official Title
Agent

Cell No. 416-420-1759 Fax No. 905-272-1382

E-mail
1921.dixie_dundas@ctpagent.ca

Role and responsibilities in emergency
Coordinate site response

2. Facility Contact Personnel - Alternate Contact

Name
Karl Degeus

Official Title
Regional Business Manager

Telephone No. 905-609-2304 Fax No. 289-649-0841

E-mail
ronald.ramesnauth@cantire.com

Role and responsibilities in emergency
Coordinate site response if agent is unavailable

6. Name of Facility Manager

Name
Hani Sharobim

Official Title
Agent

Telephone No. work 905-272-1382 c 416-420-1759 Fax No. 905-272-1382

E-mail
1921.dixie_dundas@ctpagent.ca

Role and responsibilities in emergency
Coordinate site response

3. Local Fire Services - Key Contact

Name
John McDougall

Official Title
Fire Chief

Telephone No. (905) 615-3750 E-mail john.mcdougall@mississauga.ca

Role and responsibilities in emergency
Coordinate/advise on Fire Service response and liaise with police and CTC contact.

Fire Services Address
Mississauga Fire Services, 15 Fairview Rd. W, Mississauga, ON L5B 1K7

7. Propane Supplier Key Contact Person

Name
Superior Propane Hotline

Official Title

Telephone No. 1-877-873-7467

Role and responsibilities in emergency
Identify and dispatch Superior Propane and/or LPERGC emergency response personnel as required.

Propane Supplier Address
251 Woodlawn Road West, Unit 217, Guelph, ON

4. Local Fire Services - Alternate Contact

Name
Kevin Duffy

Official Title
Deputy Fire Chief -Prevention/Training

Telephone No. (905) 615-3758 E-mail kevin.duffy@mississauga.ca

Role and responsibilities in emergency
Alternate - Coordinate/advise on Fire Service response and liaise with police and CTC contact.

Fire Services Address
Mississauga Fire Services, 15 Fairview Rd. W, Mississauga, ON L5B 1K7

8. Municipal Contact

Name
Crystal Greer

Official Title
City Clerk

Telephone No. (905) 615-3200 ext.5419 Fax No. (905) 615-4181

E-mail
crystal.greer@mississauga.ca

Municipality Name and Address
City of Mississauga, 300 City Centre Drive, Mississauga, ON, L5B 3C1

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

2. Additional Safety Measures

Describe any other measures in place at the facility that exceed the minimum Code and Standards requirements.
Emergency Shut Off push button to shut down pump and close solenoid valve upstream of dispensing hoses.

[Large area with horizontal dashed lines for additional safety measures]

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

3. Record of Emergency Training Provided - For most recent 12-month period.

Training on Emergency Response Plan and Procedures provided to facility key contacts.

Training Date (dd-mm-yyyy) 2010	Print Name of Training Provider: Canadian Tire Standard Emergency Training upon hire and yearly refreshers
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider: Please Note - the industry did not have a course
	Print Name of Instructor: in place last year. They are currently developing a
Training Date (dd-mm-yyyy)	Print Name of Training Provider: a training course that is scheduled to be available
	Print Name of Instructor: in the fourth quarter of this year

Training on the facility's Emergency Management Procedures provided to staff.

Training Date (dd-mm-yyyy) 2010	Print Name of Training Provider: Canadian Tire Standard Emergency Training upon hire and yearly refreshers
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

On-site specific training provided to certificate holders / persons with Records of Training.

Training Date (dd-mm-yyyy) 20-09-2010	Print Name of Training Provider: FSN Training
	Print Name of Instructor: N/A
Training Date (dd-mm-yyyy) TBA as required	Print Name of Training Provider: Superior Propane, FSN Training or Other Please Note - a ROT is valid for 3 years
	Print Name of Instructor: to be arranged as required
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

4. Emergency Training Plan for Coming Year

Training on Emergency Response Plan and Procedures provided to facility key contacts.

Target Date (dd-mm-yyyy) 2011	Print Name of Training Provider: Canadian Tire Standard Emergency Training upon hire and yearly refreshers
	Print Name of Instructor:
Target Date (dd-mm-yyyy) Q1 2012	Print Name of Training Provider: Superior Propane, PTI, FSN, or Alternate Please Note - the PTI just released the
	Print Name of Instructor: course material (Nov.) and Canadian Tire
Target Date (dd-mm-yyyy)	Print Name of Training Provider: agents will be the first to receive this training
	Print Name of Instructor: scheduled for the 1Q of 2012

Training on the facility's Emergency Management Procedures provided to staff.

Target Date (dd-mm-yyyy) Q1 2012	Print Name of Training Provider: Key Site Contact to Train Staff
	Print Name of Instructor: to be arranged
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

On-site specific training provided to certificate holders / persons with Records of Training.

Target Date (dd-mm-yyyy) TBA as required	Print Name of Training Provider: FSN Training or Alternate Please Note - ROT training is valid for 3 years
	Print Name of Instructor: to be arranged as required
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

The licence holder will complete Section B in consultation with the local Fire Services.

5. Emergency Response Communications Plan

Warnings and Actions

Describe who gives warnings to whom, and how and when the warning will be given (including public notification as appropriate).
The agent/operator or alternate (both ROT staff) will contact emergency services by calling 911 and will provide warnings as outlined in the attached Propane Emergency Response Procedures placard (to be posted at site and be part of employee training). If it is safe to do so, this could involve advising neighbors to evacuate. The owner/operator may also contact Superior Propane via the emergency number identified in the ERP.

Describe what action is to be taken and by whom when a warning is issued (including details of a meeting place in a safe identified area and activating the evacuation plan, if necessary).
The agent/operator or alternate should first follow the actions in the ERP's provided herein. Staged evacuation, if the release of propane cannot be stopped by cutting electrical power, may be required. The initial muster location will be at the front doors of the Canadian Tire warehouse store and away from a dispersing propane cloud. Subsequent evacuation instructions potentially up to the Hazard Distance to be provided by municipal emergency responders. Residences and businesses beyond the site boundary to be notified by municipal emergency responders.

Communication with Emergency Response Authorities

Describe when and how the licence holder will give early warning to emergency response authorities (including a process to ensure that a call is placed to 911).
When the system is operational, site staff will be on duty and be in the propane tank area. The Key Contact or alternate will be implementing ER actions and notifications, including notifying emergency responders. Calling 911 will occur immediately after any attempts to shut down the system.
When the system is not in operation, the ISC valve (main isolation valve) is closed, and the propane system is unattended, but is shutdown.
Any accidents involving the propane tank during such times will require the intervention of random, nearby individuals.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.
The propane tank system is located in a open area that is easily accessible from Dundas Street.
The access routes for fire trucks are identified in the attached site plan.

Describe how the licence holder will ensure continual flow of updated information to authorities.
The critical information required from the license holder is information on how to shut the system down and the fill level in the tank (if known).
This will be provided by agent - Hani Sharobim, verbally if on-site, or by cell phone during off hours.
Fill level is relevant from a time-to-BLEVE perspective (a near empty tank will BLEVE sooner than a full tank if there is fire impingement on the tank).

How long will it take the facility liaison person to respond to the site.
It would take the 24 hour contact, Hani Sharobim, approximately 40 minutes to arrive on-site after having received the emergency call.

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

The licence holder will complete Section B in consultation with the local Fire Services.

6. Building and Site Security and Procedures

	Yes	No
1. Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is there adequate night lighting at the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Are there procedures that capture and record the daily inspection of hoses and inspection requirements for filling systems and mechanical devices used in the transfer of propane?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are weighing systems validated for accuracy?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are storage areas clearly marked with the vessels' capacity status (i.e., filled, empty, purged and other hazardous materials)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Are quality assurance procedures in place to ensure that all valves are closed after the propane cylinders are filled?(e.g., QCC valves)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Is the schedule of maintenance and testing activities retained on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

7. Water Supply

The propane licence holder should work with the local fire department to determine water supply capabilities that are available based on the propane facility's location.

	Yes	No
1. Is a pressurized water system available at the propane facility site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Can the municipal fire department pump 375 GPM (1420 LPM) of water at this location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. What is the unobstructed distance to the closest water supply that could be used for firefighting activities? (distance in metres only)	<u>25 m</u>	
4. What is the unobstructed distance to the closest approved water supply with year round access if there are no hydrants? (distance in metres only)	<u>N/A</u>	

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

The licence holder will complete Section B in consultation with the local Fire Services.

8. Licence holder and local Fire Services Review

To be completed by the Local Fire Services		Yes	No
Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?		<input type="checkbox"/>	<input type="checkbox"/>
If not, please explain (e.g., no fire services).			

Fire services comments, if any:			

To be completed by the Licence Holder			
In response to the above comments, the following action(s) is required:			

The licence holder will respond to the Local Fire Services comments by: _____			
(dd-mm-yyyy)			

LOCAL FIRE SERVICES

The undersigned has reviewed Section B of the Risk and Safety Management Plan Fire Services.

Print name	Signature	Date (dd-mm-yyyy)
Local Fire Services Name		

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SECTION C: SUBMISSIONS

Applicant must include a Facility Site Plan and Map of Surrounding Area

Facility Site Plan.

The licence holder will submit a copy of the original facility site plan updated with the following information:

1. The storage location of fixed, portable, and mobile vessels.
2. The maximum volume, types and storage location of hazardous materials.
3. Location of permanent structures on site.
4. Access and egress points and location of barriers.
5. Location of fire and emergency equipment (e.g., sprinkler systems, extinguishers, suppression systems) on site and location of fire hydrant or water supply where available.
6. Location of emergency shut off/shut down switches/valves.

Map of Surrounding Area.

The licence holder will submit a scaled aerial map of the surrounding area showing the following information:

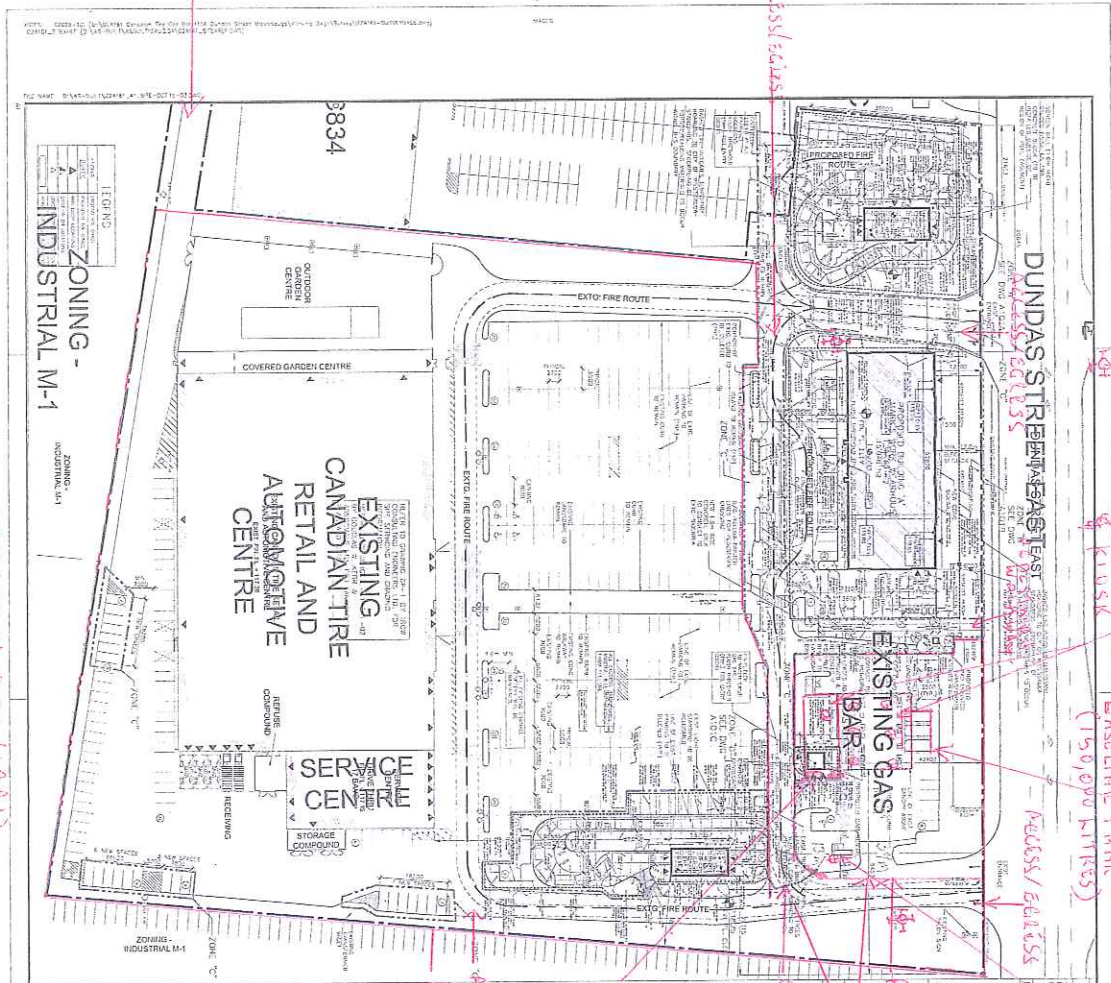
7. The capacity and placement of the single largest propane storage vessel, including its setback from the front, rear and side property lines.
8. GPS co-ordinates of the single largest vessel.
9. Visual indication of the single largest fixed vessel and a circle made using the distance in Table 1 as the radius from the single largest fixed vessel.
10. Clear indication of the municipality or municipalities present within the circle.
11. Visual indication of property line information.
12. The location and name of roads within or abutting the site.
13. Key note to the drawing indicating the facility's municipal address, municipal lot number(s) and concession lines as applicable, and the date the map was prepared.
14. Address and contact information for each municipality (municipal clerk or secretary-treasurers of planning board). (Refer to page 5.)
15. Complete "Required Mapping Information from Updated Site Plan" in table below .

Required Mapping Information from Updated Site Plan

Date Map Prepared (dd-mm-yyyy) 28-12-2011	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: <u>39 m</u>	Right side property line: <u>52 m</u>
Rear: <u>13 m</u>	Left side property line: <u>4 m</u>
GPS coordinates of single largest vessel: <u>Lat. 43.605014 Long.-79.587732</u>	

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CANADIAN TIRE (1981)
1002 DUNDAS STREET EAST
MISSISSAUGA, ON, L5L 1W1

SCALE 1:1300

SITE PLAN & BUGS REQUIREMENTS

Site Area: 100,000 sq. ft. (2,300 sq. m.)
 Building Footprint: 40,000 sq. ft. (9,100 sq. m.)
 Total Building Area: 40,000 sq. ft. (9,100 sq. m.)
 Total Parking: 100 spaces
 Total Building Height: 10 stories
 Total Building Volume: 1,000,000 cu. ft. (28,300 cu. m.)

GENERAL NOTES

1. The site is located in the Industrial M-1 Zone.
2. The building footprint is shown in red.
3. The parking spaces are shown in grey.
4. The building height is shown in feet.
5. The building volume is shown in cubic feet.

PERPETUUM SHOP

Building Footprint: 40,000 sq. ft. (9,100 sq. m.)
 Total Building Area: 40,000 sq. ft. (9,100 sq. m.)
 Total Parking: 100 spaces
 Total Building Height: 10 stories
 Total Building Volume: 1,000,000 cu. ft. (28,300 cu. m.)

EXISTING CANADIAN TIRE RETAIL AND AUTOMOTIVE CENTRE

Building Footprint: 40,000 sq. ft. (9,100 sq. m.)
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EXISTING GAS BAR

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150'000 LITRES
KIOSK
EXISTING GAS BAR
EXISTING PERPETUUM SHOP

PERPETUUM SHOP
EXISTING CANADIAN TIRE RETAIL AND AUTOMOTIVE CENTRE
EXISTING GAS BAR

PERPETUUM SHOP
EXISTING CANADIAN TIRE RETAIL AND AUTOMOTIVE CENTRE
EXISTING GAS BAR

1921

⊕ FIRE EXTINGUISHER
⊕ FIRE HYDRANT
⊕ EMERGENCY STOP
⊕ BUTTON

PERPETUUM SHOP

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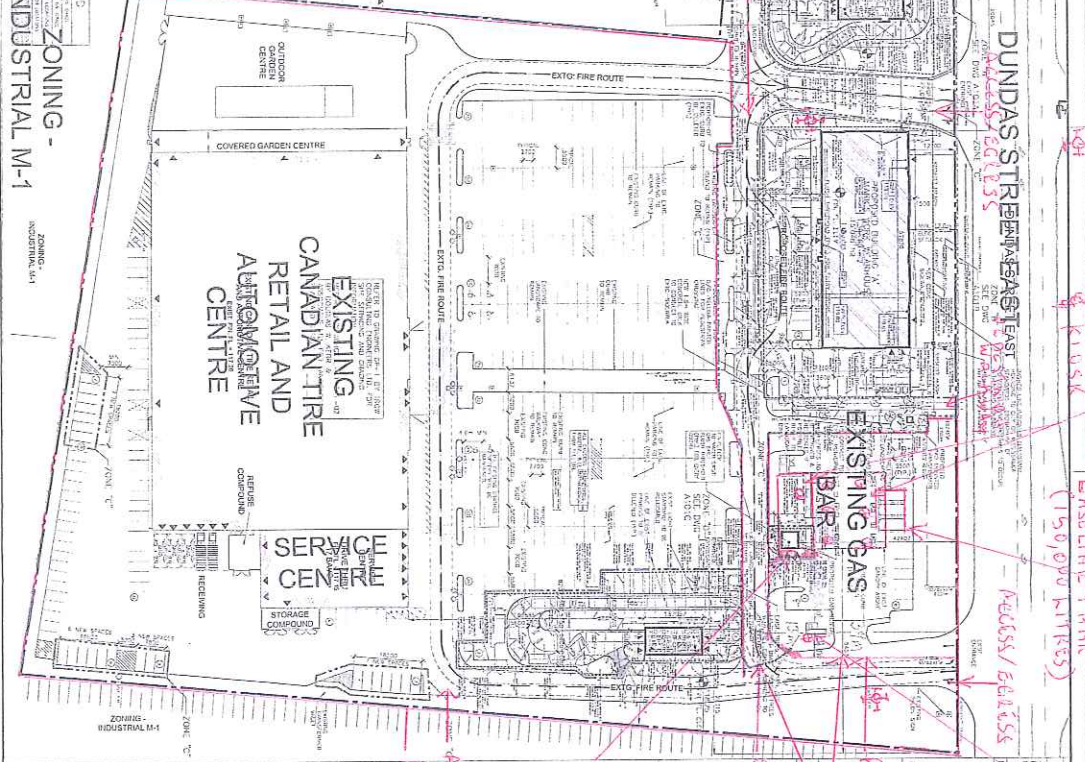
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INDUSTRIAL M-1 ZONING
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EXISTING CANADIAN TIRE RETAIL AND AUTOMOTIVE CENTRE

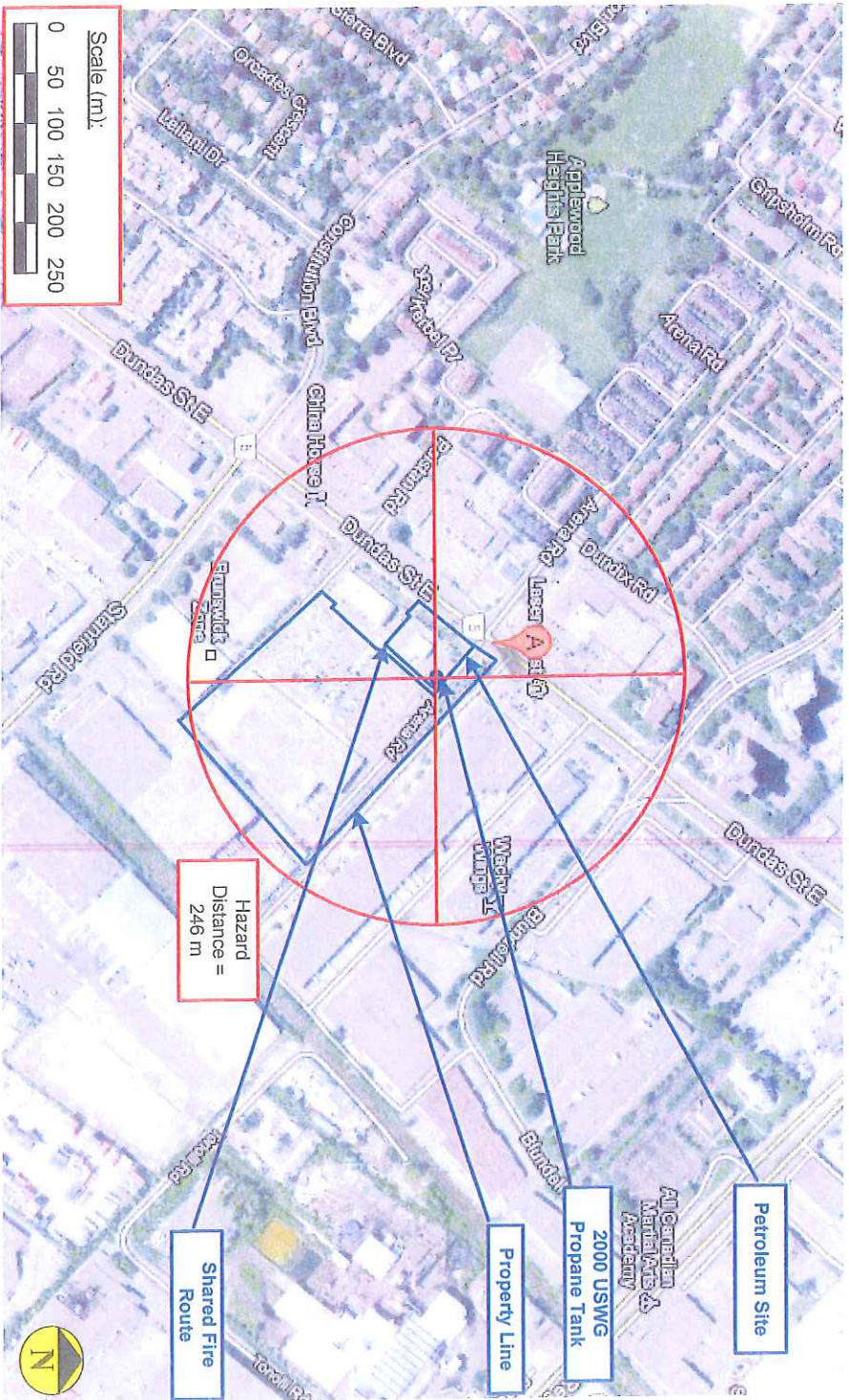
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Hazard Distance = 246 m

Petroleum Site

2000 USWG Propane Tank

Property Line

Shared Fire Route

Setback Distances to Site Boundary: North: 39 m, East: 52 m, South: 13 m, West: 4 m

Capacity of Propane Storage Tank = 2000 USWG

GPS Co-ordinates of Propane Storage Tank: GPS Co-ordinates = 43.605014, -79.587732

Circle/distance to 1 psi overpressure: Denoted by circle centred on tank; radial distance = 246 m

Municipality (ies) within the 1 psi overpressure circle: City of Mississauga

Municipal Contact: Crystal Greer, City Clerk, 300 City Centre Drive, Mississauga, ON, L5B 3C1, Tel: 905 8965419 or 905 615 3200 Ext.: 5419, Email: cy stal.greer@mississauga.ca

Map of Surrounding Area

Canadian Tire (1921)
1202 Dundas Street East Mississauga, ON, L5L 2W1
PT LT 7 CON 1 S DS TT PART 1 2 6 7 8 10 43R 13659 SFT 01167033 PARTIALLY AMENDED BY ROT 167033 & TW ROT 167033 & ROT 172812; SFT ROT 039584; SFT EASE IN FAVOUR OF THE CORPORATION OF THE CITY OF MISSISSAUGA OVER PT LT 7 CON 1 S DS (T) DES PT 1, 43R 23457 AS IN LT 1932254; MISSISSAUGA TOWNSHIP EASEMENT OVER PT LT 7 CON 1 S DS DES P1S 1, 2, 3 PL 43R 23458 IN FAVOUR OF PT LT 7 CON 1 S DS DES P1S 1, 2, 6, 7, 10 PL 43R 13659 AS IN LT 72006889; SFT ROT 058885 ROT 091812 LT 194442; TOWNSHIP EASEMENT OVER P1S 1, 2, 3, PL 43R-23458 IN FAVOUR OF P1S 1, 2, 6, 7, 10 PL 43R-13659; AS SET OUT IN LT 72076432.

Drawn by: G. Brindisi Date: December 28, 2011



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4903
Customer Service: 1.877.682.8772

Level 1 Risk and Safety Management Plan (RSMP)
Technical Standards and Safety Act
Propane Storage and Handling Regulation

SECTION C: SUBMISSIONS (cont'd)

Applicant must include a Facility Site Plan and Map of Surrounding Area

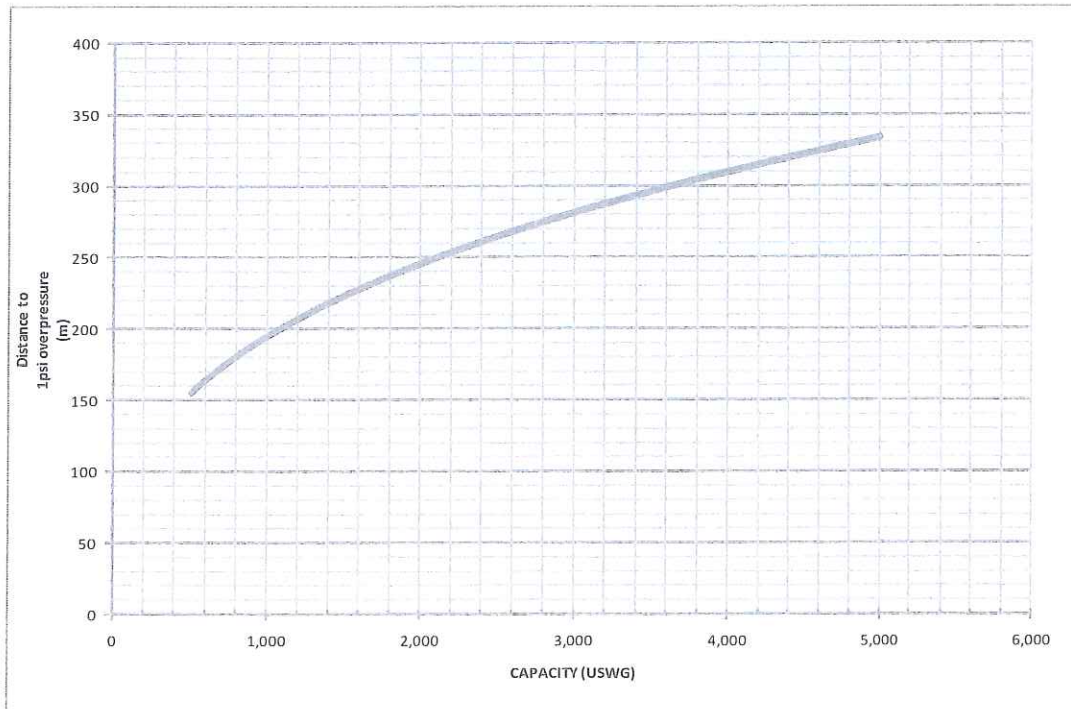
Table 1: Distance Table

Water Capacity (litres)	Nominal Water Capacity (USWG)	Distance to 1 psi overpressure (m)
1,890	500	155
3,780	1,000	195
4,920	1,300	213
6,620	1,750	235
7,130	1,885	241
7,560	2,000	246
18,900	5,000	333

Formula: $D = 16.94 \times (1.524 \times C)^{1/3}$
 D = Distance to overpressure of 1 psi (meters)
 C = Tank Total Capacity in USWG

Parameters: Density of Propane is 0.5033 kg per litre @ 15 C
 Assume all vessels are 80% full
 1 gallon [US, liquid] = 0.003785411784 cubic meter
 1 cubic metre = 264.17 USWG

Hazard Distance Chart (EPA-TNT model)





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SECTION C: SUBMISSIONS (cont'd)

Applicant must include a Facility Site Plan and Map of Surrounding Area

As an accompaniment to the Map of Surrounding Area, provide the following information about buildings and features present within the circle in Table 2.

Table 2: Buildings and Features

Buildings and Features Present within the Circle on the Map of the Surrounding Area AND Name and Address of Closest Building or Feature	* Number of Buildings and Features (mark with an "X")				Distance from Tank to Closest Building or Feature
	0	1	2-10	11+	
Industrial buildings or parks or golf courses Name: <u>None within Hazard Distance</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. [REDACTED]		X			<u>225</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Canadian Tire Store, Goodwill Community Store, Amma Restaurant, and various other retailers</u> Address: <u>1214 Dundas Street</u> City: <u>Mississauga</u> Province <u>ON</u> Postal Code _____				X	<u>20</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: <u>None within Hazard Distance</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: <u>Mississauga School of Music</u> Address: <u>3033 Palstan Road</u> City: <u>Mississauga</u> Province <u>ON</u> Postal Code _____		X			<u>200</u> m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: <u>None within Hazard Distance</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m

* For multi-unit buildings, count each unit as "1".

Declaration: I am aware that it is an offence to give false information in this document and I hereby declare that the information I have given here is true and complete.

Name of person completing this form (please print) John Lastoria	Official Title E H & S Specialist
Signature 	Telephone No. 416-544-7608
	Date (dd-mm-yyyy) 14-02-2012



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WORKSHEET

Portable Storage Additional Information Worksheet

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9		
# 100	29.5		
# 40	11.75		
# 33.3	9.62		
# 30	8.8		
# 20	5.8	96	556.8 USWG
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity			567 USWG

Tanks Stored On-site Not Connected for Use

Tank Size In USWG	Quantity	Total Volume in USWG
2000 USWG	1	2000 USWG
Total Tank Capacity		2000 USWG

Total Cylinder Capacity	567 USWG
Total Tank Capacity	2000 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	2567 USWG