



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

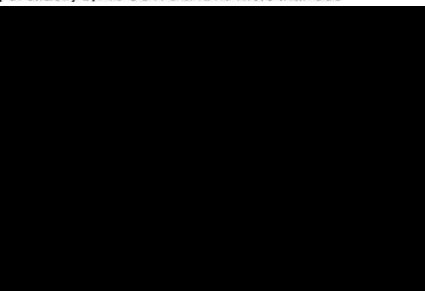
Failure to fully complete this form may result in rejection.  
Making a false statement may result in a fine or prosecution  
under the *Technical Standards and Safety Act*

Licence Number

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  Ontario Corporation No., if applicable

Operator Name (if different from above)

Telephone No.  Fax No.  E-mail

B Street No.  Street Name / 911 Number / Address, if applicable

Town / City or Township / County  Province  Postal Code

Mailing address if different from above.

C Street No.  Street Name / 911 Number / Address, if applicable

Town / City or Township / County  Province  Postal Code

Information on Container Refill Centre or Filling Plant

Location of facility.

D Street No.  Street Name / 911 Number / Address, if applicable  Nearest Major Intersection

Town / City or Township / County  Province  Postal Code

Name of Licence Holder

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT).  ROT type

Municipality (or municipalities if the facility or its hazard distance touches multiple borders)

Hours of operation.



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

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.

Printname	Signature	Date (dd-mm-yyyy)
Name of Licence Holder <input type="text" value="Robert Moyer"/>		<input type="text" value="19-07-2013"/>
Name of Senior Management person as defined in the Regulation holding the Record of Training <input type="text" value="Robert Moyer"/>		



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

**SECTION A: GENERAL INFORMATION (cont'd)**

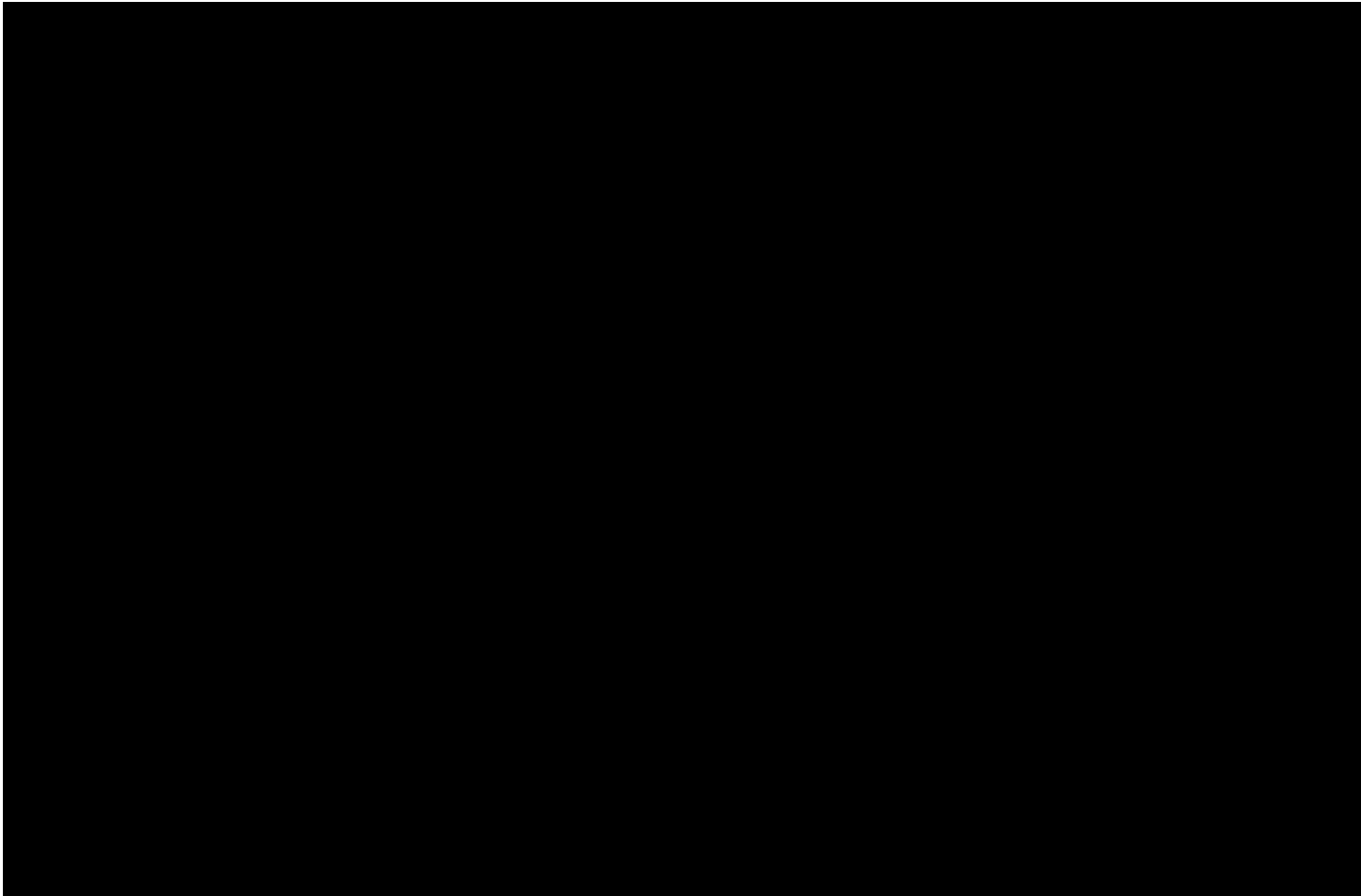
Indicate the year the facility was established.      Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment.  
2013      None

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

	PSIG	Serial Number
Tank 1:	250 PSIG	648-12
Tank 2:	_____	_____
Tank 3:	_____	_____

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: 418 USWG Estimate      Mobile: 0



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Name of person completing this form (please print) Darryl Boyd		Official Title Project Manager	
Signature 		Telephone No. 416-229-2636-221	Date (dd-mm-yyyy) 2013-08-15



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**SECTION A: GENERAL INFORMATION (cont'd)**  
Activity Information

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

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

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

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

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Name of person completing this form (please print)	Official Title	
Robert Moyer	Manager of Propane Operations	
Signature	Telephone No.	Date (dd-mm-yyyy)
	703-626-8398	19/07/2013





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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.

There is a gasoline bar located west of the propane facility. The maximum amount of gasoline on-site would be 150,000 litres and it would be stored in underground tanks at the gas bar location. (A MSDS for regular gasoline is provided herein. The MSDS for premium gasoline and diesel are similar.)  
Motor Oil - approximately 1000 gallons (4 drums @ 250 gallons each) - stored in the oil room inside the fire centre.

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

1. Fires extinguisher locations: a) on the inside pillar of the canopy by the propane filling station, b) in the fire centre c) and at tire sales.
2. Emergency stop push button locations: a) on a pedestal by the propane filling station, b) and inside the fire centre. These shut down the pump and close a solenoid valve upstream of hoses.

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. ISC flow valve: Closed by fusible link melting in fire scenario, or by closing door of pump enclosure. This stops flow from tank.
2. System contains 3 leak detectors (2 scale units: 1 pump enclosure) which trigger system shutdown @ 60% LFL (cuts all power except 24 VDC).
3. E-Stops: one on the fuelling island, one inside building (at MCCB) - cuts all power except 24 DC; shuts down pump; closes solenoid valves to stop flow.
4. Leak Detection System triggers audible alarm. 5. Fire sprinkler system has been installed.

Maintenance and testing schedule for fire protection controls and devices.

Fire extinguishers will be replaced as per manufacturer's recommendations. The gas detection/auto shutdown/auto alarm system will be maintained/tested every 6 months by Total Meter Service. Other equipment - i.e. pumps, valves, etc. will be maintained/tested by Superior Propane according to the requirements in the Superior Propane Maintenance Standard. According to this Standard - ISC valves will be tested every 6 months; pumps will be maintained every 3 months. Fusible links will be inspected every 6 months.

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Name of person completing this form (please print) Robert Moyer	Official Title Manager of Propane Operations	
Signature 	Telephone No. 703-626-8398	Date (dd-mm-yyyy) 19-07-2013



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

1. Contacts for Emergency Response

<b>1. Facility Contact Personnel - Key Contact</b>		<b>5. Facility 24-Hour Contact Person</b>	
Name Robert Moyer	For Office Use - Party No.	Name Robert Moyer	For Office Use - Party No.
Official Title Manager of Propane Operations		Official Title Manager of Propane Operations	
Telephone No. 703-626-8398	Fax No. N/A	Cell No. 703-626-8398	Fax No. N/A
E-mail Robert.Moyer@Costco.com		E-mail Robert.Moyer@Costco.com	
Role and responsibilities in emergency coordinate site response		Role and responsibilities in emergency coordinate site response	
<b>2. Facility Contact Personnel - Alternate Contact</b>		<b>6. Name of Facility Manager</b>	
Name Andy McDonald	For Office Use - Party No.	Name Robert Moyer	For Office Use - Party No.
Official Title Regional Operations Manager		Official Title Manager of Propane Operations	
Telephone No. 613-221-6119	Fax No. N/A	Telephone No. 703-626-8398	Fax No. N/A
E-mail Andy.McDonald@Costco.com		E-mail Robert.Moyer@Costco.com	
Role and responsibilities in emergency coordinate site response if key contact is unavailable		Role and responsibilities in emergency coordinate site response	
<b>3. Local Fire Services - Key Contact</b>		<b>7. Propane Supplier Key Contact Person</b>	
Name John McDougall	For Office Use - Party No.	Name Superior Propane Hotline	For Office Use - Party No.
Official Title Fire Chief	E-mail john.mcdougall@mississauga.ca	Official Title	E-mail
Telephone No. (905) 615-3750	Fax No. (905) 615-3773	Telephone No. 1-877-873-7467	Fax No.
Role and responsibilities in emergency coordinate/advise on Fire Service response and liaise with police		Role and responsibilities in emergency identify and dispatch Superior Propane and or LPERGC response personnel as required	
Fire Services Address Mississauga Fire Services, 15 Fairview Rd. W, Mississauga, ON L5B 1K7		Propane Supplier Address 251 Woodlawn Road West, Unit 217, Guelph, ON	
<b>4. Local Fire Services - Alternate Contact</b>		<b>8. Municipal Contact</b>	
Name Kevin Duffy	For Office Use - Party No.	Name Crystal Greer	
Official Title Deputy Fire Chief -Prevention/Training	E-mail kevin.duffy@mississauga.ca	Official Title City Clerk, City of Mississauga	
Telephone No. (905) 615-3758	Fax No. (905) 615-3773	Telephone No. (905) 615-3200 ext.5419	Fax No. (905) 615-4181
Role and responsibilities in emergency assist with the coordination of Fire Service response and liaise with police		E-mail crystal.greer@mississauga.ca	
Fire Services Address Mississauga Fire Services, 15 Fairview Rd. W, Mississauga, ON L5B 1K7		Municipality Name and Address City of Mississauga, 300 City Centre Drive, Mississauga, ON, L5B 3C1	

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Name of person completing this form (please print) Robert Moyer	Official Title Manager of Propane Operations
Signature 	Telephone No. 703-626-8398
	Date (dd-mm-yyyy) 19/07/2013





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

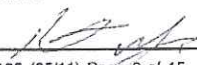
2. Additional Safety Measures

Describe any other measures in place at the facility that exceed the minimum Code and Standards requirements.

Emergency Shut Off push buttons (2) to shut down pump and close solenoid valve upstream of dispensing hoses.

Fire Suppression System - (fire sprinkler system) inside Costco building.

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Name of person completing this form (please print) Robert Moyer	Official Title Manager of Propane Operations	
Signature 	Telephone No. 703-626-8398	Date (dd-mm-yyyy) 19-01-2013



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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) TBA - New Site	Print Name of Training Provider: Costco - Standard Costco Safety Training to be provided to Key Contact
	Print Name of Instructor: To Be Arranged
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:

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

Training Date (dd-mm-yyyy) TBA - New Site	Print Name of Training Provider: Key Contact to train staff
	Print Name of Instructor: To Be Arranged
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) TBA as Required	Print Name of Training Provider: 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:	
Training Date (dd-mm-yyyy)	Print Name of Training Provider:	
	Print Name of Instructor:	

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Signature 	Telephone No. 703-626-8398
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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) TBA - New Site	Print Name of Training Provider: Costco - Standard Costco Safety Training to be provided to Key Contact
	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:

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

Target Date (dd-mm-yyyy) TBA - New Site	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 Other	PLEASE NOTE - a ROT 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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Signature 	Telephone No. 703-626-8398
	Date (dd-mm-yyyy) 19-07-2013





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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 key contact/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 (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 key contact will 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 key contact/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 site entrance off of Dundas Street East.  
Away from the site 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 wide open area that is easily accessible from Dundas Street East. It can also be accessed from Dixie Road.  
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 information will be provided by key contact, Robert Moyer, or his alternate, Andy McDonald, either 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 Andy McDonald, approximately 60 minutes to arrive on site after having received the emergency call.

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Signature 	Telephone No. 703-626-8398	Date (dd-mm-yyyy) 19-07-2013



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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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input 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>14 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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Signature 		Telephone No. 703-626-8398	Date (dd-mm-yyyy) 19-07-2013





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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**

Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?

Yes

No

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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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**

Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?

Yes  No

If not, please explain (e.g., no fire services).

Fire services comments, if any:

*Please see attached letter. Site plan drawing should be more legible, too much clutter.*

**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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Signature	Telephone No. 703-626-8398	Date (dd-mm-yyyy)



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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) 11-10-2013	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 150 m west	Right side property line: 75 m south
Rear: 175 m east	Left side property line: 40 m north
GPS coordinates of single largest vessel: Lat. 43.609684 Long. -79.581013	

**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) Robert Moyer	Official Title Manager of Propane Operations
Signature 	Telephone No. 703-626-8398
	Date (dd-mm-yyyy) 19-07-2013



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

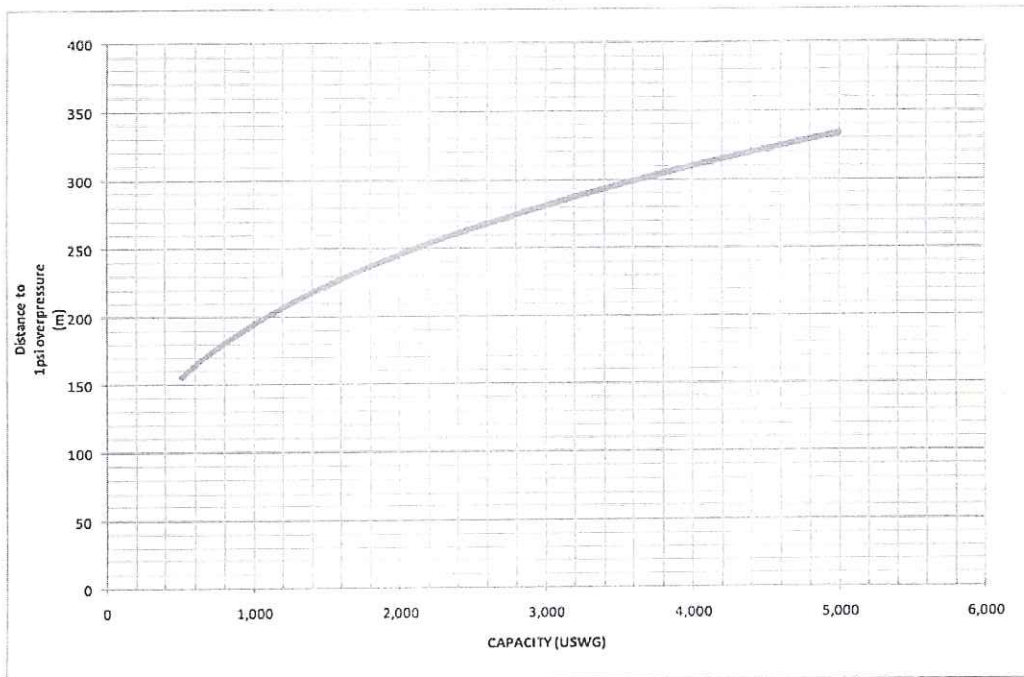
Table 1: Distance Table

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: None within Hazard Distance Address: _____ City: _____ Province _____ Postal Code _____	X				0 m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: None within Hazard Distance Address: _____ City: _____ Province _____ Postal Code _____	X				0 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: Costco Warehouse Store (various other retailers nearby) Address: Dundas Street City: Mississauga Province ON Postal Code _____			X		14 m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: None within Hazard Distance Address: _____ City: _____ Province _____ Postal Code _____	X				0 m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: None within Hazard Distance Address: _____ City: _____ Province _____ Postal Code _____	X				0 m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: None in Hazard Distance Address: _____ City: _____ Province _____ Postal Code _____	X				0 m

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

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Name of person completing this form (please print) Robert Moyer	Official Title Manager of Propane Operations
Signature 	Telephone No. 703-626-8398
	Date (dd-mm-yyyy) 19-07-2013



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Propane Storage and Handling Regulation

**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	72 (3 cages of 24)	417.6 USWG
# 10	2.9		
# 5	1.5		
<b>Total Cylinder Capacity</b> 418 USWG estimate			

Tanks Stored On-site Not Connected for Use

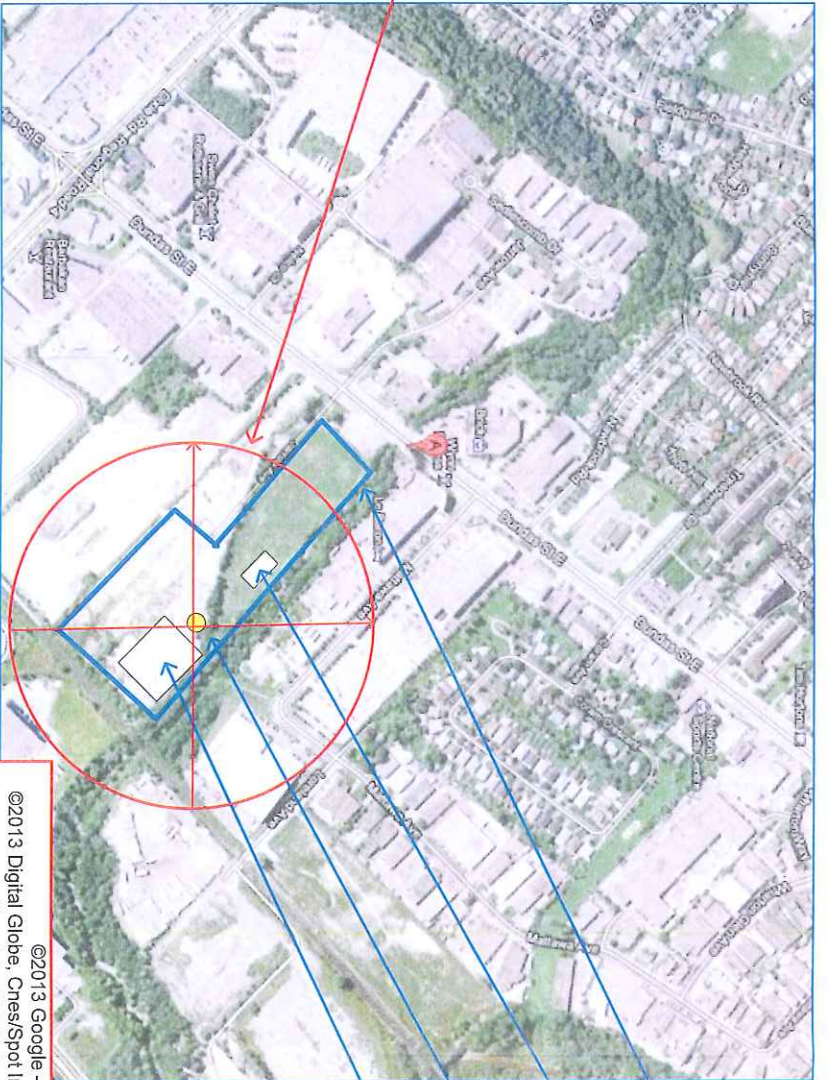
Tank Size In USWG	Quantity	Total Volume in USWG
<b>Total Tank Capacity</b> 0 USWG		

<b>Total Cylinder Capacity</b>	418 USWG estimate
<b>Total Tank Capacity</b>	0 USWG
<b>Total Portable Capacity</b> (Total Cylinder Capacity + Total Tank Capacity)	418 USWG estimate









Hazard Distance = 246 m



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- Property Line
- Gasoline Dispenser and Kiosk
- 2000 USWG Propane Tank
- Costco Store

<b>Setback Distances to Site Boundary</b>	West	150 m	South	75 m
	East	175 m	North	40 m
<b>Capacity of Propane Storage Tank</b>				
Capacity of Propane Storage Tank = 2000 USWG				
<b>GPS Co-ordinates of Propane Storage Tank</b>				
GPS Co-ordinates = 43.609684, -79.581013				
<b>Circular Distance to 1 psi overpressure</b>				
Denoted by circle centred on tank; radial distance = 246 m				

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

**Municipal Contact:**  
Crystal Greer  
City Clerk, City of Mississauga  
300 City Centre Drive  
Mississauga, Ontario L5B 3C1  
Phone: (905) 815-3200 x 5419  
Email: crystal.greer@mississauga.ca

**Map of Surrounding Area**

**Costco Wholesale Limited**  
1570 Dundas Street East  
Mississauga, Ontario L4X 1L4

Parts of lots 4 and 5, concession 1, south of Dundas Street, Township of Toronto, City of Mississauga, Municipality of Peel

Drawn by: K. Almey      Date: January 10 2013