Technical Standards and Safety Authori www.tssa.org

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.

		laking a	o fully complete this form false statement may resul der the <i>Technical Standa</i>	It in a fine or prosecution			
Licer	nce Number	000076	6581784-C				
Check	applicable type	of propa	ne operations.				
	✓ Cylinder	r	Motor Fill	Filling Plant Card/Ke	vlock		
Subm	it along with this	complete	d application a Facility Site Pla	an and a Map of the Surrounding Are			
		:	SEC	TION A: GENERAL I	NFORMATION		
	pane Storaç	ge and	lies to TSSA for a r I Handling Regulatio		r Ontario's <i>Technica</i>	Il Standards and Safety Act, Ontario Corporation No., if applicable	
- ^	Company Name		ration Ltd			Citatio Corporation No., ii applicacio	
Α	Canadian Tire		And Annual Control of the Control of				
	(Nabil Elias - /						
	Telephone No.		Fax No.	, E-mail		1	
	(416) 544-760	80	(416) 544-6163	john.lastoria@cantire.com			
В	Street No.	1	Street Name / 911 Number / A	ddress, if applicable			
	1280		Yonge Street, 17th Floor				
	Town / City or T	Fownship	/ County		Province	Postal Code M4P 2V8	
	Toronto				Ontario	W14F 2V0	
	The second section of the second section of the second section of the second section s	ess if d	ifferent from above.				
C	Street No.		Street Name / 911 Number / / PO Box 770, Station K	(Account #34421)			
				(Account FOTTET)	Province	Postal Code	
	Town / City or Township / County Toronto				Ontario	M4P 3J5	
lnf			iner Refill Centre or Fil	ling Plant			
P2	Street No.		Street Name / 911 Number / A	ddress, if applicable	Nearest Major Interse	ection	
D	1735		Pickering Parkway		Pickering Parkway	and Brock Road	
	Town / City or To	ownship	/ County		Province	Postal Code	
	Pickering				Ontario	L1V 7C7	
1	Name of Licence		na san E	100		ì	
			If of Canadian Tire Corpor			0071	
- 1		or Manag	ement person as defined in th	e regulation holding the Record of T	raining (HOT).	ROT type	
1	Glenn Butt 100-08						
ī	Municipality (or municipalities if the facility or its hazard distance touches multiple borders)						
	City of Pickerin	ig .					
	Hours of operation	on.					

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



Technical Standards and

14th Floor - Centre Tower 3300 Bloor Street West Safety Authority Toronto Ontario M8X 2X4
Fax: 416.231.4903

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

CLY AUTH	Service: 1.877.682.8772	
SE	CTION A: GENERAL	INFORMATION (cont'd)
ndicate the year the facility was established.	Indicate the year of any signific	cant modifications, as defined in s.1, O.Reg 211/01, since establishment.
lentify the psig rating and serial number for ea	ach fixed propane storage tank or	n site.
PSIG	Serial Number	
Tank 1: 250 PSIG	603.00	
Tank2:		
Tank3:		
nter capacity of propane in USWG, fixed, por	table, and mobile, and provide d	detailed inventory that includes the number of tank/vessel for
ach type (fixed, portable, and mobile) and the		
Fixed: 2000 USWG	Portable:	Mobile.

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



14th Floor - Centre Tower 3300 Bloor Street West Safety Authority 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 A: GENERAL INFORMATION (cont'd)

Activity Information

		Act	ivity information				
Name of Propar	ne Supplier(s)						
Superior Propane	- Ontario Regional Operat	ions Centre					
Street No.	Street Name / 911 Num	ber / Address, if applicable					
251	Woodlawn Road West, I	Jnit 217		-		¥	
	ownship / Country			Province		Postal Code N1H 8J1	
Guelph				Ontario		NIH OJI	
Telephone No.	Fax No.	Contact N	ame				
1-877-873-7467	519-836-7766	Bruce Graha	am	9			
E-mail							
GrahamB@superi	orpropane.com						
					[- om - u -	Dest. No.	
Name of Propar	e Transporter. If same	as above, please check be	ох.		For Office Use -	Рапу №.	
Superior Propane	- Whitby						
Street No.	Street No. Street Name / 911 Number / Address, if applicable						
505	Victoria Street						
Town / City or T	ownship / Country			Province		Postal Code	
Whitby		- Company of the comp		Ontario		L1N 9Z3	
Telephone No.	Fax No.	Contact Na	ame				
289-356-5985	N/A	Pierre Mous	seau				
E-mail							
pierre_mousseau	@superiorpropane.com						
Off-site Cylinder	and/or Mobile Storage	e	Capacity stored off-site	, in USWG	For Office Use -	Party No.	
None							
Street No.	Street Name / 911 Num	ber / Address, if applicable					
Town / City or Township / Country Province Postal Code							
•							
Telephone No. Fax No. Contact Name							
Note: Customer s	corage is not considered	off-site storage					
note. Customer si	orage is not considered	on site storage.					

Name of person completing this form (please print) John Lastoria	Official Title E H & S Specialist	7.55 - 6.75 - 5.75 - 6.75 - 7.		
Signature	Telephone No. 416-544-7608	Date (dd-mm-yyyy) 14-02-2012		
FS 09195 (05/11) Page 3 of 15				



Technical 14th Floor - Centre Tower 3300 Bloor Street West Toronto Ontario M8X2X4 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 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 west 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 propane tank. 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.
Emergency stop push button. This shuts down the pump and closes a solenoid valve upstream of hoses.
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
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.

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



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

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

1. Contacts for Emergency Response

1. Facility Contact Personnel - Key	Contact	5. Facility 24-Hour Contact Person	n J	
Name Nabil Elias		Name Nabil Elias		
Official Title Agent		Official Title Agent		
Telephone No. 905-619-9391	Fax No. 416-850-5711	Cell No. 416-816-5620	Fax No. 416-850-5711	
E-mail 1708.pickering@ctpagent.ca		E-mail 1708.pickering@ctpagent.ca		
Role and responsibilities in emergence	У	Role and responsibilities in emergency		
Coordinate site response		Coordinate site response		
2. Facility Contact Personnel - Ali	ternate Contact	6. Name of Facility Manager		
Name Caroline Fredette		Name Hani Sharobim		
Official Title	terms and the second	Official Title		
Regional Business Manager		Agent	Fax No.	
Telephone No. 416-201-1709	Fax No. 416-536-8893	Telephone No. work 905-619-9391 cell 416-816-5620		
E-mail		E-mail		
caroline.fredette@cantire.com		1708.pickering@ctpagent.ca	W/	
Role and responsibilities in emergence		Role and responsibilities in emergence	· y	
Coordinate site response if agent is una	available	Coordinate site response		
3. Local Fire Services - Key Contact	ct	7. Propane Supplier Key Contact P		
Name William T. Douglas	For Office Use - Party No.	Name Superior Propane Hotline For Office Use - Party No.		
Official Title Fire Chief	E-mail wdouglas@cityofpickering.com	Official Title	E-mail	
Telephone No. 905-839-9968	Fax No. 905-839-6327	Telephone No. 1-877-873-7467	Fax No.	
Role and responsibilities in emergency Coordinate/advise on Fire Service response contact.	V	Role and responsibilities in emergency Identify and dispatch Superior Propane and or LPERGC emergency response personnel as required.		
Fire Services Address Pickering Fire Services, 1616 Bayly Street	Pickering, ON L1W 3N2	Propane Supplier Address 251 Woodlawn Road West, Unit 217, Guelph, ON		
4. Local Fire Services - Alternate C	ontact	8. Municipal Contact		
Name Brian Holmes	For Office Use - Party No.	Name Debbie Shields		
Official Title Chief Fire Prevention Officer E-mail bholmes@cityofpickering.com		Official Title City Clerk		
Telephone No. 905-839-9968	Fax No. 905-839-6327	Telephone No. 905-420-4660 x 2019	Fax No. 905-420-9685	
Bole and responsibilities in emergency	V	E-mail		
Alternate - Coordinate/advise on Fire ServicTC contact.	ice response and liaise with police and	dshields@cityofpickering.com		
Fire Services Address	100	Municipality Name and Address		
Pickering Fire Services, 1616 Bayly Str.	eet Pickering, ON L1W 3N2	City of Pickering, 1 on the Esplanade, Pickering, ON L1V 6K7		
rishoring rife out 41000, to to outly ou				

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



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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 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.

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

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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 Re	sponse Plan and Procedures provided to facility key conta	acts.			
Training Date (dd-mm-yyyy)	Print Name of Training Provider: Canadian Tire Standard	Emergency Training upon hire and yearly refreshers			
2010	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 Em	ergency Management Procedures provided to staff.				
Training Date (dd-mm-yyyy)	Print Name of Training Provider: Canadian Tire Standard	Emergency Training upon hire and yearly refreshers			
2010	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 pro	ovided to certificate holders / persons with Records of Train	ning.			
Training Date (dd-mm-yyyy)	Print Name of Training Provider: Superior Propane, FSN	Training or Other Please Note - a ROT is valid for 3 years			
TBA as required	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:				

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



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

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

4. Emergency Training Plan for Coming Year

Training on Emergency Re	esponse Plan and Procedures provided to facility key contacts.					
Target Date (dd-mm-yyyy)	Print Name of Training Provider: Canadian Tire Standard Emergency Train	Print Name of Training Provider: Canadian Tire Standard Emergency Training upon hire and yearly refreshers				
2011	Print Name of Instructor:					
Target Date (dd-mm-yyyy)	Print Name of Training Provider: Superior Propane, PTI, FSN, or Alternate	Please Note - the PTI just released the				
Q1 2012	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 En	nergency Management Procedures provided to staff.					
Target Date (dd-mm-yyyy)	Print Name of Training Provider: Key Site Contact to Train Staff					
Q1 2012	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 pr	ovided to certificate holders / persons with Records of Training.					
Target Date (dd-mm-yyyy)	Print Name of Training Provider: Superior Propane					
22-02-2011	Print Name of Instructor: N/A					
Target Date (dd-mm-yyyy)	Print Name of Training Provider: FSN Training or Alternate	Please Note - ROT training is valid for 3 years				
TBA as required	Print Name of Instructor: to be arranged as required					
Target Date (dd-mm-yyyy)	Print Name of Training Provider:					
	Print Name of Instructor:					

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



14th Floor - Centre Tower 3300 Bloor Street West Safety Authority
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 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	e authorities	(includ	ing a pro	ocess 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 Pickering Parkway and Brock 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 will be provided by agent - Nabil Elais, 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, Nabil Elais, approximately 40 minutes to arrive on-site after having received the emergency call.

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		



14th Floor - Centre Tower 3300 Bloor Street West Safety Authority Toronto Ontario M8X2X4
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 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)?		V			
2.	Is there adequate night lighting at the site?	1				
3.	Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	\checkmark				
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?	√				
5.	Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders?	✓				
6.	Are weighing systems validated for accuracy?	1				
7.	Are storage areas clearly marked with the vessels' capacity status (i.e., filled, empty, purged and other hazardous materials)?		✓			
8.	Are quality assurance procedures in place to ensure that all valves are closed after the propane cylinders are filled?(e.g., QCC valves)	1				
9.	Is the schedule of maintenance and testing activities retained on site?	√				
	7. Water Supply					
The supp	propane licence holder should work with the local fire department to determine water bly 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?	1				
2.	Can the municipal fire department pump 375 GPM (1420 LPM) of water at this location?	1				
3.	What is the unobstructed distance to the closest water supply that could be used for firefighting activities? (distance in metres only)	50 m				
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)	N/A				

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				



14th Floor - Centre Tower 3300 Bloor Street West Toronto Ontario M8X2X4 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

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.
- The maximum volume, types and storage location of hazardous materials.
- 3. Location of permanent structures on site.
- Access and egress points and location of barriers. 4.
- 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.

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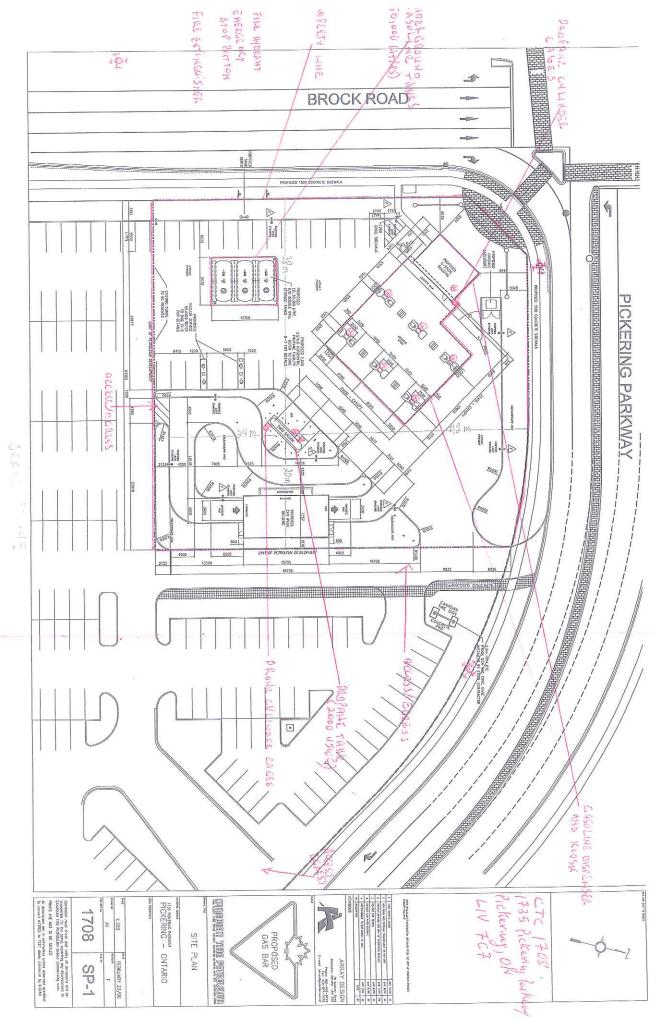
The licence holder will submit a scaled aerial map of the surrounding area showing the following information:

- The capacity and placement of the single largest propane storage vessel, including its setback from the front, rear and side property lines.
- GPS co-ordinates of the single largest vessel. 8.
- 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 .

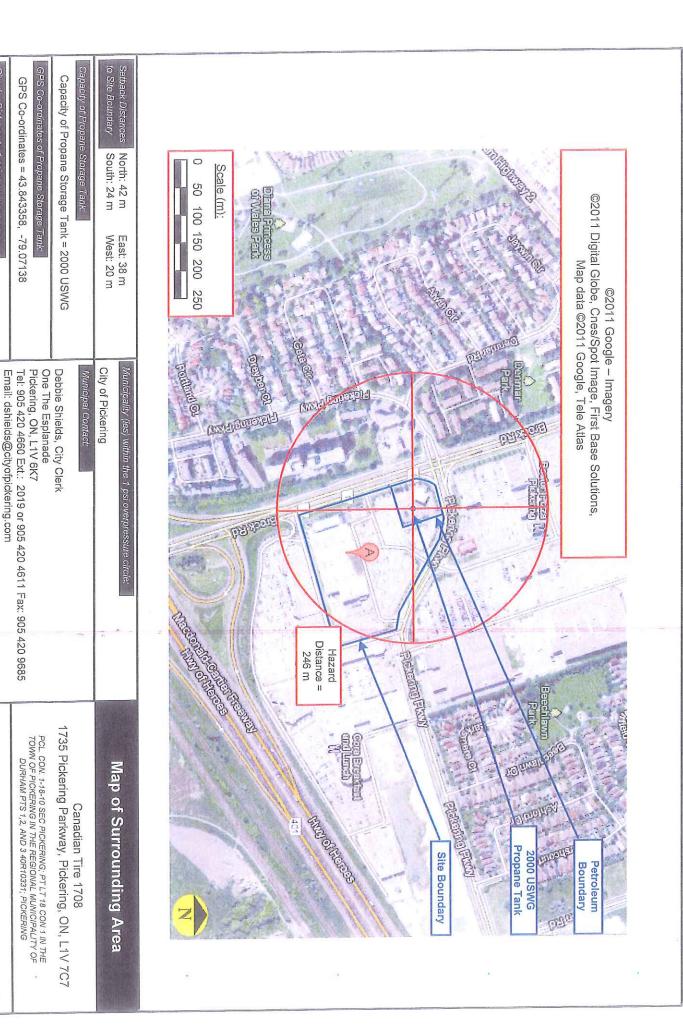
Required Mapping Information from Updated Site Plan

Date Map Prepared (dd-mm-yyyy) 27-12-2011			Capacity of single largest propane storagevessel (USWG) 2000 USWG			
Tank setback coordinates.	42 m	ent on the map.	Right side property line:			
Rear:	24 m		Left side property line:	20 m		
GPS coordinates of single	largest vessel:	Lat. 43.8434 L	ong79.0715			

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



2011-



Denoted by circle centred on tank; radial distance = 246 m

Drawn by:

G. Brindisi

Date:

December 27, 2011



Technical Standards and Safety Authority Fax: 416.231.4903 www.tssa.org

14th Floor - Centre Tower 3300 Bloor Street West Toronto Ontario M8X2X4

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:

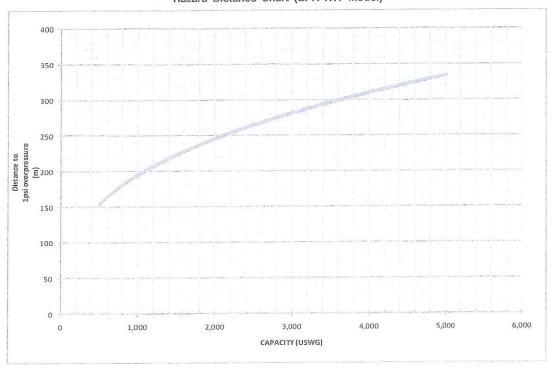
Density of Propane is 0.5033 kg per litre @ 15 C

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)





14th Floor - Centre Tower 3300 Bloor Street West Safety Authority 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

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 Building and Features (mark with an "X")			Tank to Closest Building or	
			1	2-10	11+	Feature	
Name:	buildings or parks or golf courses None within Hazard Distance Province Postal Code	X				0 m	
Residenti	al building units specifically permanent single family dwellings condominiums and apartments.						
				X		225 m	
Commerce Name: Address:	al building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Canadian Tire Store, , Marks Work Wearhouse, Reitman's, and various other retailers Pickering Parkway and Brock Road				X	50m	
City:	Pickering Province ON Postal Code						
Name:	al building units – continuous occupancy specifically hotels, campgrounds, and resorts. None within Hazard Distance Province Postal Code	X				0 m	
institution Name:	institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health s, and prisons. None within Hazard Distance	X				0m	
City:	Province Province Postal Code						
Name:	y responders specifically fire stations, ambulance stations, and police stations. None within Hazard Distance	X				0 m	
Address: City:	Province Postal Code						

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.	Date (dd-mm-yyyy)
	416-544-7608	14-02-2012

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



14th Floor - Centre Tower 3300 Bloor Street West Safety Authority
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

SR 681256

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	557 USWG
# 10	2.9		
# 5	1.5		

Tanks Stored On-site Not Connected for Use

Tank Size In USWG	Quantity	Total Volume in USWG
	6	
8		
ank Capacity 0 USWG		

Total Cylinder Capacity	557 USWG
Total Tank Capacity	0
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	557 USWG