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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 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.

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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

Print name	Signature	Date (dd-mm-yyyy) 03/06/2011
lame of Licence Holder John Lastoria	11/	03/00/2011
Name of Senior Management person as defined in the		
Regulation holding the Record of Training Glenn Butt		



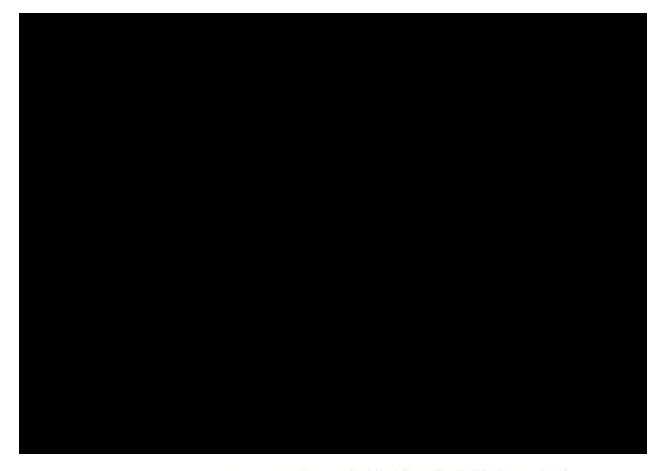
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Level 1 Risk and Safety Management Plan (RSMP) Technical Standards and Safety Act Propane Storage and Handling Regulation

	SE	CTION A: GENERAL INFORMATION (cont'd)	
Indicate the yea	ar the facility was established.	Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. None	
Identify the psig	rating and serial number for ea	ch fixed propane storage tank on site.	
	PSIG	Serial Number	
Tank1:	250 PSIG	11021-5	
Tank2:			
Tank3:			
Enter capacity of	of propane in USWG, fixed, por	able, and mobile, and provide detailed inventory that includes the number of tank/vessel for	•
each type (fixed	I, portable, and mobile) and the	capacity of each tank/vessel, on a separate document.	
Fixed	2000 USWG	Portable: 464 USWG Mobile: 0	



ame of person completing this form (please print) John Lastoria	Official Title EH & S Specialist	
Signature	Telephone No. 416-544-7608	Date (dd-mm-yyyy) 03/06/2011



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

7 40						
SECTION A: GENERAL INFORMATION (cont'd) Activity Information						
Name of Propane Suppl						
Superior Propane - Ontario I						
	Name / 911 Number / Address, vn Road West, Unit 217	if applicable				
Town / City or Township Guelph	/ Country			Province Ontario		Postal Code N1H 8J1
Telephone No.	Fax No.	Contact Na	ame			
1-877-873-7467	519-836-7766	Mike Mullins				
E-mail						
mullinsm@superiorpropane	.com					
					T == 0#: U	Dest. No.
Name of Propane Transporter. If same as above, please check box.						
Superior Propane - Whitby						
Street No. Street Name / 911 Number / Address, if applicable Victoria Street East						
Town / City or Township /	Country			Province Ontario		Postal Code L1N 9Z3
Telephone No. (705) 927-2234	Fax No.	Contact Na Mark Waket				
E-mail wakeform@superiorpropane	e.com					
Off-site Cylinder and/or	Mobile Storage		Capacity stored off-site	, in USWG	For Office Use -	Party No.
	lame / 911 Number / Address,	if applicable	<u> </u>	afactic item		
Town / City or Township /	Country			Province		Postal Code
				0-		

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

Fax No.

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.

Contact Name

ame of person completing this form (please print)	Official Title	
Kelly Almey	Risk & Safety Coordinator, Super	rior Propane
Signature	Telephone No.	Date (dd-mm-yyyy)
Lalmer	905-285-2480 ext. 5549	03/06/2011

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Telephone No.



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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

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 4 underground tanks with a total capacity of 90,912 litres. They are located on the South side of the property in the middle of the
dispenser area.
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: 1. Inside gas bar building 2. On columns by gasoline dispensers 3. At the bulk propane tank filling station
2. Emergency stop push button - mounted on a post near the 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.
1. Emergency stop push button - mounted on a post by the propane tank. 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.
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. aintenance 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.
Maintenance records are kept in a maintenance log at the site and kept for 5 years.

ame of person co	empleting this form (please print)	Official Title EH & S Specialist	
Signature	Ohn Lent Os	Telephone No. 416-544-7608	Date (dd-mm-yyyy) 03/06/2011



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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 Perso	on	
Name	For Office Use - Party No.	Name	For Office Use - Party No.	
Raman Malhotra Official Title				
Store Operator/Agent		Store Operator/Agent	I.e. W	
Telephone No. (905) 727-6221 (905) 727-6221 (2010) Fax No. (905) 727-6221 (2010) Fax No. (905) 727-6221 (905) 727-6221				
E-mail 1629.Aurora@ctpagent.ca	E-mail 1629.Aurora@ctpagent.ca			
Role and responsibilities in emergency		Role and responsibilities in emergency		
Coordinate site response		Coordinate site response	<u> </u>	
2. Facility Contact Personnel - Alter	rnate Contact	6. Name of Facility Manager		
Name Karl Degeus	For Office Use - Party No.	Name Raman Malhotra	For Office Use - Party No.	
Official Title Regional Business Manager		Official Title Store Operator/Agent		
Telephone No.	-ax No. 289) 649-0841	Telephone No. (905) 727-6221	Fax No. (905) 727-6221	
E-mail karl.degeus@cantire.com		E-mail 1629.Aurora@ctpagent.ca		
Role and responsibilities in emergency		Role and responsibilities in emergency		
Coordinate site response if agent unavaila	able.	Coordinate site response		
3. Local Fire Services - Key Contact 7. Propane Supplier Key Contact Person				
Name Ian Laing	For Office Use - Party No.	Name Superior Propane Hotline	For Office Use - Party No.	
Official Title Fire Chief of Central York Fire Services		Official Title		
	Fax No. 905) 895-1900	Telephone No. 1-877-873-7467	Fax No.	
E-mail ilaing@newmarket.ca		E-mail		
Role and responsibilities in emergency		Role and responsibilities in emergen	су	
Coordinate/advise on Central York Fire Se	ervice response and liaise with	Identify and dispatch Superior Propane and or LPERGC emergency response		
police and CTC contact. 4. Local Fire Services - Alternate Cor	ntact	personnel as required. 8. Municipal Contact		
Name Paul Leslie For Office Use - Party No. Name Marco Ramunno				
Official Title Deputy Fire Chief Official Title Director of Planning & Development Services		ervices		
Telephone No.	ax No. 05) 895-1900	Telephone No. (905) 727-1375 x4341	Fax No. 905-726-4736	
E-mail pleslie@newmarket.ca	374777 17777	E-mail mramunno@e-aurora.ca		
Role and responsibilities in emergency		Municipality		
Alternate - Coordinate/advise on Central	ork Fire Service response and	Town of Aurora		
liaise with police and CTC contact.				

ame of person completing this form (please print) John Lastoria	Official Title EH & S Specialist	
Signature	Telephone No. 416-544-7608	Date (dd-mm-yyyy)



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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.

ame of person compl	eting this form (please print)	Official Title EH & S Specialist	
Signature	1111	Telephone No.	Date (dd-mm-yyyy)
	6 Net 1 Ch	416-544-7608	03/06/2011



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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 contacts.
Training Date (dd-mm-yyyy)	Print Name of Training Provider: None
	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:
Training on the facility's Em	ergency Management Procedures provided to staff.
Training Date (dd-mm-yyyy)	Print Name of Training Provider: None
	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:
n-site specific training pro	ovided to certificate holders / persons with Records of Training.
Training Date (dd-mm-yyyy)	Print Name of Training Provider: None Please Note - a ROT is valid for 3 years
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
<u> </u>	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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.

lame of person cor	npleting this form (please print)	Official Title	
John Lastoria		EH & S Specialist	
Signature	12. 1	Telephone No.	Date (dd-mm-yyyy)
	MAN TOD	416-544-7608	03/06/2011

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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-	sponse Plan and Procedures provided to facility key contacts.
Target Date (dd-mm-yyyy)	Print Name of Training Provider: Superior Propane or alternate
Q4 2011	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 Em	ergency Management Procedures provided to staff.
Target Date (dd-mm-yyyy)	Print Name of Training Provider: Key site contact to train staff
Q4 2011	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 pro	ovided to certificate holders / persons with Records of Training.
Target Date (dd-mm-yyyy)	Print Name of Training Provider: FSN Training
25/02/2011	Print Name of Instructor: Unknown
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
PC 2 NO ■ 97 (1700 (1700)	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
55	Print Name of Instructor:

Name of person completing this form (please print)	Official Title	
John Lastoria	EH & S Specialist	
Signature	Telephone No.	Date (dd-mm-yyyy)
All Tax	416-544-7608	03/06/2011



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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)

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

Emergency Response Communications Plan

Warnings	and	Acti	ons
----------	-----	------	-----

Describe who gives warnings to whom, and how and when the warning will be given (including public notification as appropriate). The owner/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 neighbours

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 owner/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. Initial muster locations will be on the northwest end of the parking lot, at least 120 m 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).

Vhen 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 Yonge 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 either verbally if site staff are at 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.

Approximately 20 minutes after having received the emergency call.

ame of person completing this form (please print) John Lastoria		Official Title EH & S Specialist	SE(100.00)	
Signature	a fate	Telephone No. 416-544-7608	Date (dd-mm-yyyy) 03/06/2011	



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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)

The licence holder will complete Section B in consultation with the local Fire Services. 6. Building and Site Security and Procedures No Yes Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)? Is there adequate night lighting at the site? 2. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials? 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? Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders? Are weighing systems validated for accuracy? Are storage areas clearly marked with the vessels' capacity status (i.e., filled, empty, purged and other hazardous materials)? Are quality assurance procedures in place to ensure that all valves are closed after the propane cylinders are filled?(e.g., QCC valves) Is the schedule of maintenance and testing activities retained on site? 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 Is a pressurized water system available at the propane facility site? Can the municipal fire department pump 375 GPM (1420 LPM) of water at this location? What is the unobstructed distance to the closest water supply that could be used for 65 m firefighting activities? (distance in metres only) What is the unobstructed distance to the closest approved water supply with year N/A round access if there are no hydrants? (distance in metres only)

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.

arne of person completing this form (please print) John Lastoria	Official Title EH & S Specialist	
Signature	Telephone No. 416-544-7608	Date (dd-mm-yyyy) 03/06/2011

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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) 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? 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)

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)	Official Title	
	*	
Signature	Telephone No.	Date (dd-mm-yyyy)

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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. 2.
- Location of permanent structures on site. 3
- 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.
- 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. 9
- 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) 03/06/2011		Capacity of single largest propane 2000 USWG	storagevessel (USWG)
Tank setback coordinates.	Indicate placemen 7 m (South)	t on the map. Right side property line:	47 m (East)
	67 m (North)	Left side property line:	44 m (West)
GPS coordinates of single	largest vessel:	Lat. 43.9871 Long79.4637	

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.

ame of person completing this form (please print) John Lastoria	Official Title EH & S Specialist	V10/7000000 10/4000	
Signature	Telephone No. 416-544-7608	Date (dd-mm-yyyy) 03/06/2011	

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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:

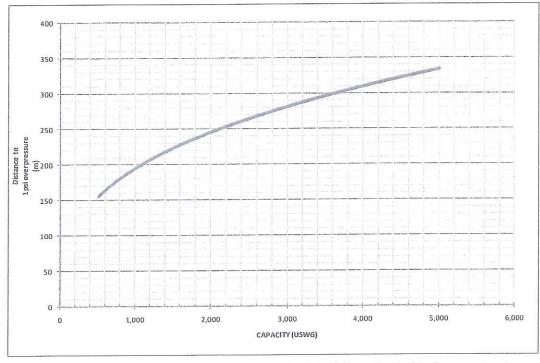
Density of Propane is 0.5033 kg per litre @ 15 C

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)



ame of person completing this form (please print) Nothing completed on this page.	Official Title	
Signature	Telephone No.	Date (dd-mm-yyyy)



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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	(m	and Fo	of Build eatures th an ")	(")	Distance from Tank to Closest Building or
Miles Jamine and Madrace of States Tallians	0	1	2-10	11+	Feature
Industrial buildings or parks or golf courses Name: The Cartwright Group Ltd; IDL Displays; a community park (90 m south of gas bar) Address:			x		m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: Address:	x				m
City: Province Postal Code					_
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: Various retail & restaurants including Shoppers; Scotiabank; Staples; Hakim Optical; Mr. Sub *ddress:				х	30m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: Address: City: Province Postal Code	х				m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: Dr. G.W. Williams Secondary School Address:		x			125 m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: Address: City: Province Postal Code	×				m

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ame of person completing this form (ple John Lastoria	ase print)	Official Title EH & S Specialist	
Signature	Nota	Telephone No. 416-544-7608	Date (dd-mm-yyyy) 03/06/2011

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



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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

Portable Storage Additional Information Sheet

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9		
# 100	29.5		100.4400
# 40	11.75		
# 33.3	9.62		
# 30	8.8		
# 20	5.8	80	464 USWG
# 10	2.9		
# 5	1.5		

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		
Total Cylinder Capacity	464 USWG	

Total Cylinder Capacity	464 USWG
Total Tank Capacity	2000 USWG
Total Portable Capacity	0 USWG

Name of person completing this form (please print)	Official Title		
John Lastoria	EH & S Specialist		
Signature	Telephone No.	Date (dd-mm-yyyy)	
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