



Technical Standards and Safety Authority
www.tssa.org

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

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 000076649987

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.

For Office Use Only

Ultramar Group

III 7 8 2011 M.J.

SR# [REDACTED]

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.

A Company Name: 1783496 Ontario Inc. (o/a Ultramar) Ontario Corporation No., if applicable: 1783496 Ontario Inc.

Operator Name (if different from above): _____

Telephone No. 905-725-5402 Fax No. 905-725-5402 E-mail bhupenmodi786@hotmail.com

B Street No. 1818 Street Name / 911 Number / Address, if applicable: Simcoe Street North

Town / City or Township / County: Oshawa Province: Ontario Postal Code: L1G 4Y3

Mailing address if different from above:

C Street No. _____ Street Name / 911 Number / Address, if applicable: Same as Above

Town / City or Township / County: _____ Province: _____ Postal Code: _____

Information on Container Refill Centre or Filling Plant

Location of facility:

D Street No. 1818 Street Name / 911 Number / Address, if applicable: Simcoe Street North Nearest Major Intersection: Simcoe Street North & Conlin Road

Town / City or Township / County: Oshawa Province: Ontario Postal Code: L1G 4Y3

Name of Licence Holder: Jigisha Modi

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): Jigisha Modi ROT type: PPO-3

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

Region of Durham

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.

Name of Licence Holder	Printname: <u>Jigisha Modi</u>	Signature: <u>J Modi</u>	Date (dd-mm-yyyy): <u>29-07-2011</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training	<u>Jigisha Modi</u>	<u>J Modi</u>	<u>29-07-2011</u>



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SECTION A: GENERAL INFORMATION (cont'd)

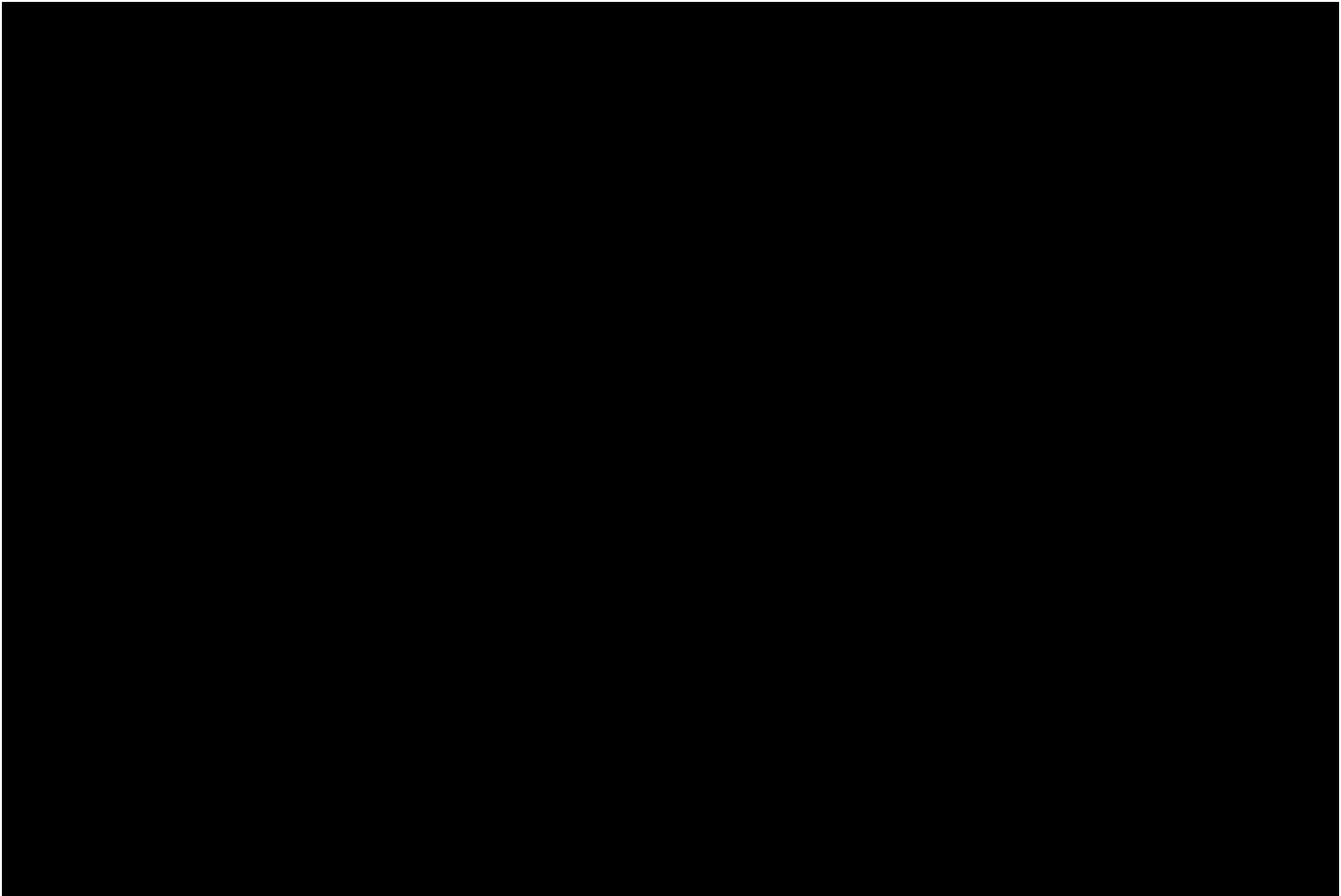
Indicate the year the facility was established. 2001
Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. Took over site from previous Owner in 2003. No changes since

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

	PSIG	Serial Number
Tank 1:	250 PSIG	346-01
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: ~~2145 USWG~~ 145 USWG Mobile: N/A



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Name of person completing this form (please print) Jigisha Modi	Official Title Owner	
Signature <i>J Modi</i>	Telephone No. 905-725-5402	Date (dd-mm-yyyy) 29-07-2011



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

Name of Propane Supplier(s) Primemax Energy Inc.		For Office Use - Party No. [REDACTED]	
Street No. 2558	Street Name / 911 Number / Address, if applicable Cedar Creek Road R.R.#1		
Town / City or Township / Country Ayr		Province Ontario	Postal Code N0B 1E0
Telephone No. 1-519-740-8209	Fax No. 1-519-740-1015	Contact Name Jim Taylor 843407	
E-mail primemax@primemaxenergy.com			

Name of Propane Transporter. If same as above, please check box. <input checked="" type="checkbox"/>		For Office Use - Party No. [REDACTED]	
Street No.	Street Name / 911 Number / Address, if applicable		
Town / City or Township / Country		Province	Postal Code
Telephone No.	Fax No.	Contact Name	
E-mail			

Off-site Cylinder and/or Mobile Storage N/A		Capacity stored off-site, in USWG	For Office Use - Party No. [REDACTED]
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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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.

Site has 1 x 2000 USWG vertical propane tank and 1 x 20 lb cylinder for purging. Facility also has

underground storage tanks 1 x 45,400 litre regular, 2 x 25,000 litre regular 1 x 25,000 litre diesel and 2 x 4500 litre premium tanks.

All tanks are fibreglass double wall protected. No hazardous materials are located on the site.

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

Facility is equipped with fire extinguishers. There is one located in the propane walk in cylinder filling cabinet and there are two at the auto dispensing area.

They are located on the posts of the canopy and are accessible to the staff who operate in the C-store. There are also one fire extinguishers inside the

C-store

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.

The propane tank is equipped with a fusible link connected to a chain that will melt at 212 degrees F which will break the chain and the spring loaded ISC

valve will close automatically shutting off the propane suction supply to the pump. Auto propane line has electric solenoid valve that will close when the

Emergency Shut Down (ESD) button is pushed. This will close the valve and stop the motor from pumping. There are no alarm systems or detection

devices on the site. The ESD is on one of the posts close to the tank.

Maintenance and testing schedule for fire protection controls and devices.

The fire extinguishers are checked monthly and retested annually for proper operation. The ESD and other propane equipment is tested annually by a qualified TSSA licensed pipe fitter and provincially licensed electrician.

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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	
Name Bhupendra Modi	For Office Use - Party No.	Name Bhupendra Modi	For Office Use - Party No.
Official Title Manager		Official Title Manager	
Telephone No. 905-725-5402	Fax No. 905-725-5402	Cell No. 905-424-2263	Fax No. 905-725-5402
E-mail bhupenmodi786@hotmail.com		E-mail bhupenmodi786@hotmail.com	
Role and responsibilities in emergency Is responsible for contacting 911 and securing the site and to make sure all customers leave and waits for the Emergency Responders to arrive		Role and responsibilities in emergency Same as Section 1	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Nashir Shaikh	For Office Use - Party No.	Name Bhupendra Modi	For Office Use - Party No.
Official Title Assistant Manager		Official Title Manager	
Telephone No. 905-725-5402	Fax No. 905-725-5402	Telephone No. 905-725-5402	Fax No. 905-725-5402
E-mail		E-mail bhupenmodi786@hotmail.com	
Role and responsibilities in emergency Assists the Key contact to have customers leave the site and calls 9-1-1 if Key contact is away and assumes main contact role.		Role and responsibilities in emergency Same as Section 1	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name	For Office Use - Party No.	Name Mike Martin	For Office Use - Party No.
Official Title Chief Fire Prevention Officer	E-mail	Official Title President	E-mail promarpetroleum@rogers.com
Telephone No.	Fax No.	Telephone No. 416-580-1079	Fax No. 416-781-0844
Role and responsibilities in emergency Reviews the RSMP's for Oshawa and provides guidance to Owners with the Fire Code and insures sites are in compliance and coordinates inspections.		Role and responsibilities in emergency Knowledge of site operation. Part of Emergency Response Plan and can coordinate trucks, equipment and personnel if required for evacuation	
Fire Services Address		Propane Supplier Address 494 Brookdale Avenue, Toronto, ON. M5M 1R7	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Bob Warrington	For Office Use - Party No.	Name Paul Ralph	For Office Use - Party No.
Official Title Deputy Fire Chief, Operations	E-mail bwarrington@oshawa.ca	Official Title Director, Planning Services Development Services	
Telephone No. 905-436-3848	Fax No. 905-433-0276	Telephone No. 905-436-5636 Ext: 2403	Fax No. 905-436-5699
Role and responsibilities in emergency Co-ordinates the resources for the Oshawa Fire Services and allocates personnel for RSMP reviews and inspections		E-mail pralph@oshawa.ca	
Fire Services Address Oshawa Fire Services, 199 Adelaide Ave. West, Oshawa, ON. L1J 7B1		Municipality Name and Address City of Oshawa, 50 Centre Street South, Oshawa, ON. L1H 3Z7	

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Signature 	Telephone No. 905-725-5402
	Date (dd-mm-yyyy) 29-07-2011



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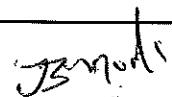
SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

2. Additional Safety Measures

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

Facility has a lockable enclosure that is locked after hours so all equipment on tank is tamperproof. Tank is protected by Steel posts, concrete filled and has an Emergency Shutdown button in place that will kill power to the pump and solenoid valve when pushed therefore isolating the tank from any propane leaks. Tank is in constant site of employees in the C-store and area is kept free of any obstructions so Fire Equipment access is easy and a large area to manoeuvre trucks around.

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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) TBD	Print Name of Training Provider: ProMar Petroleum Inc.
	Print Name of Instructor: Mike Martin
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) TBD	Print Name of Training Provider: ProMar Petroleum Inc.
	Print Name of Instructor: Mike Martin
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) 28-04-2010	Print Name of Training Provider: ProMar Petroleum Inc.
	Print Name of Instructor: Mike Martin
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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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) TBD	Print Name of Training Provider: ProMar Petroleum Inc.
	Print Name of Instructor: Mike Martin
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) TBD	Print Name of Training Provider: ProMar Petroleum Inc.
	Print Name of Instructor: Mike Martin
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) TBD	Print Name of Training Provider: ProMar Petroleum Inc.
	Print Name of Instructor: Mike Martin
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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	Date (dd-mm-yyyy) 29-07-2011



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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).
If there is a fire at the tank area, the manger or other attendant on duty will tell all customers to leave the site and then call 9-1-1 and ask for Fire Services and Police response. The assistant will insure no customers are in the washrooms and will block off access to the site with cones or other devices.

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).
Once the area is free of customers the staff will meet at the "Muster Point" and possibly notify EMCO Supply on adjacent property of the situation. When Emergency Responders arrive, they will isolate the area and make any decisions to evacuate the and warn the residents around the tank area of the situation. Access to area will be restricted by placing cones across the entrance and exits.

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).
Owner and Manager have access to a phone and they have cell phones that can be used to contact 9-1-1. The manager on duty will call first unless he directs the attendant to do it. The responsibility lies with the manager to make the initial call after determining the level of the hazard.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.
The tank has a lockable enclosure that houses all the hoses, pump and other equipment. The site is not fenced so access to the tank is off Simcoe Street N. There are no restrictions to the site from Simcoe Street and a hydrant is located on Carswell opposite the station. The site is wide open to the south and since the site operates for 24 hours there is always someone on site.

Describe how the licence holder will ensure continual flow of updated information to authorities.
The manager will be at the site during normal hours and can be at the site in 20 minutes when notified. The information on the storage contents and the status will be given directly to the Incident Commander as the manager will stay on site until directed to leave or close the facility.

How long will it take the facility liaison person to respond to the site.
The Manager can respond in 25 minutes.

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	Date (dd-mm-yyyy) 29-07-2011



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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) | | 40 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 |

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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 checked="" type="checkbox"/>	<input type="checkbox"/>
If not, please explain (e.g., no fire services).		
<hr/> <hr/>		
Fire services comments, if any:		
<hr/> <hr/>		
To be completed by the Licence Holder		
In response to the above comments, the following action(s) is required:		
<hr/> <hr/>		
The licence holder will respond to the Local Fire Services comments by: _____		
<small>(dd-mm-yyyy)</small>		

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 Susan King CFPO		16-09-2011

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Name of person completing this form (please print) Jigisha Modi	Official Title Owner	
Signature 	Telephone No. 905-725-5402	Date (dd-mm-yyyy) 13-09-2011



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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) July 27, 2011	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 14.3 m	Right side property line: 4.3 m
Rear: 95 m	Left side property line: 78.9 m
GPS coordinates of single largest vessel: Lat:43 56'36.50"N Long:78 53'24.13"W	

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Name of person completing this form (please print) J. Ross Keys	Official Title Consultant	
Signature 	Telephone No. 416-526-1405	Date (dd-mm-yyyy) 28-07-2011



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SECTION C: SUBMISSIONS (cont'd)
Applicant must include a Facility Site Plan and Map of Surrounding Area

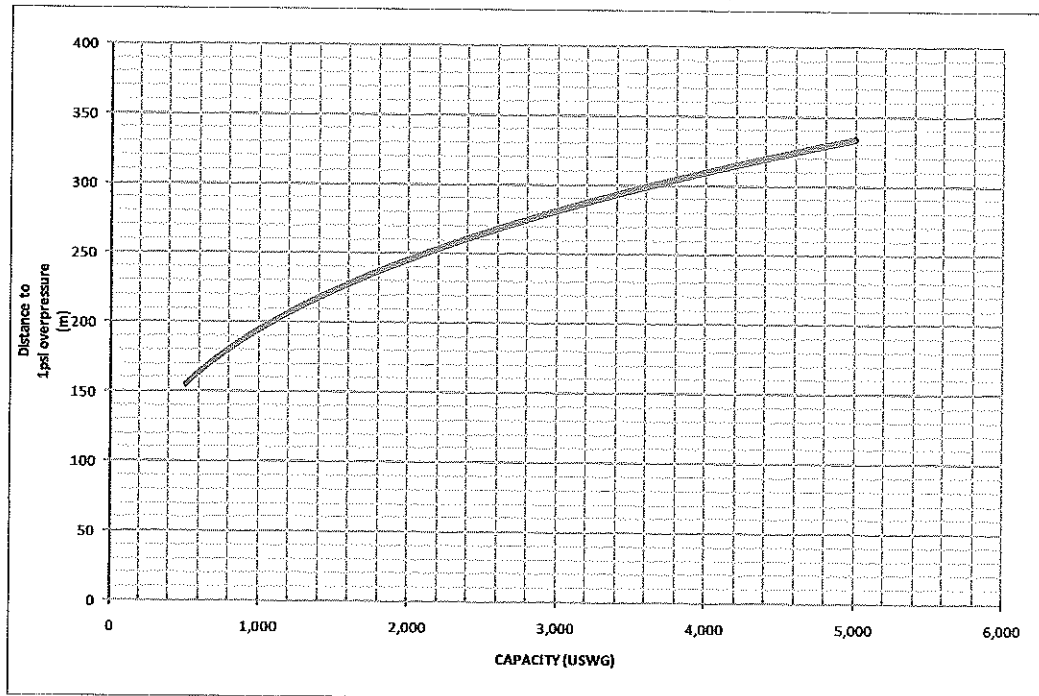
Table 1: Distance Table

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)





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

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>Emco Supply</u> Address: <u>1900 Simcoe Street North</u> City: <u>Oshawa</u> Province <u>Ontario</u> Postal Code <u>L1G 4Y3</u>		X			<u>43</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. [Redacted]				X	<u>77</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>RER Automobiles</u> Address: <u>1901 Simcoe Street North</u> City: <u>Oshawa</u> Province <u>Ontario</u> Postal Code <u>L1G 4Y4</u>		X			<u>57.2</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: <u>Durham College/UOIT Residence and Conference Centre</u> Address: <u>1910 Simcoe Street North</u> City: <u>Oshawa</u> Province <u>Ontario</u> Postal Code <u>L1H 4Y3</u>		X			<u>62.5</u> m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ 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) J. Ross Keys	Official Title Consultant	
Signature 	Telephone No. 416-526-1405	Date (dd-mm-yyyy) 28-07-2011



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WORKSHEET

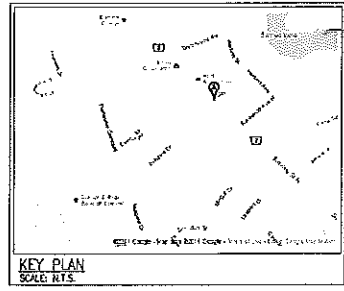
Portable Storage Additional Information Worksheet

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	25	145 USWG
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity			145 USWG

Tanks Stored On-site Not Connected for Use

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

Total Cylinder Capacity	145 USWG
Total Tank Capacity	2000 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	2145 USWG



NOTES:

CONSEQUENCE DISTANCE TO AN OVERPRESSURE LEVEL OF 1 psf BASED ON TNT-EQUIVALENCY METHOD, AS PER T.S.S.A. GUIDELINES FOR THE IMPLEMENTATION OF THE RISK AND SAFETY MANAGEMENT PLAN

$$D = 17 \times \left(0.1 \times W_p \times \frac{K_{st}}{K_{st0}} \right)^{1/3} = 245\text{m}$$

PROPERTY LINE SETBACKS	
NORTH/EAST	9.3m
SOUTH/EAST	78.9m
NORTH/WEST	4.3m
SOUTH/WEST	14.3m

GPS COORDINATES	
LATITUDE	LONGITUDE
43°56'35.80"N	78°53'24.13"W

RECEPTORS	
NUMBER	NAME
R1	EMCO SUPPLY
R2	RFR AUTOMOBILES
R3	RESIDENTIAL

AS PER T.S.S.A. GUIDELINES FOR THE IMPLEMENTATION OF THE RISK AND SAFETY MANAGEMENT PLAN, THIS FACILITY ONLY REQUIRES A LEVEL 1 RMP SUBMISSION.

PLANNING ADVISORY INFORMATION:

AS PER T.S.S.A. ADVISORY REQUIREMENTS, THE FOLLOWING PLANNING INFORMATION IS PROVIDED BELOW:

CITY OF OSHTWA
80 CENTRE STREET SOUTH
OSHTWA, ON L1A 3Z7

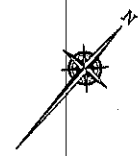
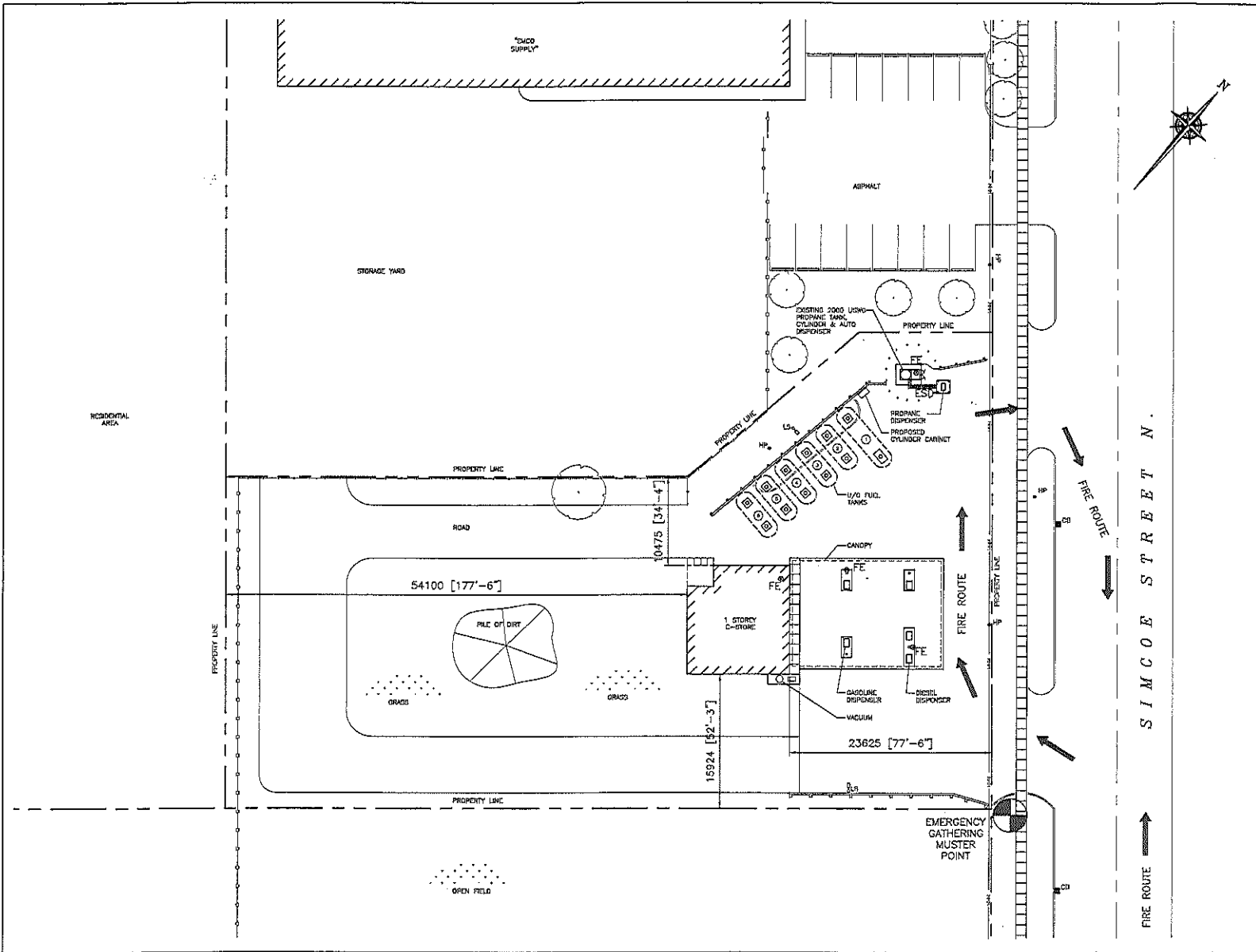
ATtn: MR. PAUL RALPH, DIRECTOR PLANNING SERVICES
PH: 905-436-4292 EXT 2433

No.	Date	Description	By
0	JUL 27, '11	ISSUED FOR RMP REVIEW	JRK



ALTENG Inc.
Alternative Energy Consulting
125 Holm Crescent, Thornhill, Ontario L3T 5J3
Telephone: (905)764-1644 Fax: (905)764-5936

Project: 1783488 Ontario Corp. (c/o ULTRAMAR) 1818 Simcoe Street N. Oshawa, ON L1G-6Y3	Drawn By: D.F. Checked By: J.R.K. Date: JUL 26, '11
Drawing Title: EXISTING 2,000 USWG PROPANE TANK c/w CYLINDER SCALE & AUTO DISPENSER BLAST RADIUS PLAN LAYOUT	Driving Scale: 1:1000
Drawing Number: P-200	File Number: 11310D
ACAD INFORMATION Drawing File: 110500-P-200 Drawing Set: 0 Plotting Scale: 1=1	



ZONING INFORMATION:

ZONING IS HIGHWAY ORDNANCIAL USE ZONE.

LOT AREA:	3551.6 sq.m.
BUILDING AREA:	149.8 sq.m.
LOT COVERAGE OF BUILDING:	3.8%
AREA OF PROPANE TANK CONCRETE PAD:	7.14 sq.m.
LOT COVERAGE OF PROPANE PAD:	0.1%

NOTES:

1. FACILITY USED FOR REWIND, CHARGER & AUTO PROPANE BOTTLING ONLY.

PROPERTY LINE SCISSORS		GPS COORDINATES	
NORTH/EAST	35m	LATITUDE	43°00'30.00"N
SOUTH/WEST	78.0m	LONGITUDE	79°05'24.13"W
NORTH/WEST	4.3m		
SOUTH/EAST	14.3m		

1/2 GALSOLINE TANKS		
#	PRODUCT	CAPACITY
1	REGULAR	45,000L
2	REGULAR	25,000L
3	REGULAR	25,000L
4	DIESEL	25,000L
5	SUPER	4,000L
6	SUPER	4,000L

LEGEND:

- FE ⊙ FIRE EXTINGUISHER
- PH ⇌ FIRE HYDRANT
- ESD ⇌ EMERGENCY SHUT-DOWN
- ⊙ MUSTER POINT

0 JUL 27, '11 ISSUED FOR SHOP RECORD		JK
No.	Size	Description
REVISIONS		



ALTENG Inc.
Alternative Energy Consulting
120 Main Crescent, Thornhill, Ontario L3T 5J7
Telephone: (905)764-1044 Fax: (905)764-5800

Project:	1783408 Ontario Corp. (s/a ULTRAMAR)	Drawn By:	D.J.F.
	1818 Simcoe Street, St. Catharines, ON L1G 4Y3	Checked By:	J.R.K.
		Date:	JUL 26, '11
Drawing Title:	EXISTING 2,000 LBSW PROPANE TANK w/w CYLINDER SCALE & AUTO DISPENSER EMERGENCY FIRE PLAN	Drawing Scale:	1:200
Drawing Number:	P-101	File Number:	11310D
		Drawing File:	110300-P-101
		Drawing Date:	0
		Plotting Scale:	1=1