



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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 000255217-Existing License

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 of an RSMP under Ontario's *Technical Standards and Safety Act*, Propane Storage and Handling Regulation.

Company Name S.R. Petroleum Inc. Corporation No. 1486240

Operator Name (if different from above) _____

Telephone No. 1-519-253-3301 Fax No. n/a E-mail manudoubleseven@hotmail.com

B Street No. 1410 Street Name / 911 Number / Address, if applicable Huron Church Road

Town / City or Township / County Windsor Province Ontario Postal Code N9C 2L1

Mailing address if different from above.

C Street No. 1 Street Name / 911 Number / Address, if applicable Wilkinson Drive

Town / City or Township / County Leamington Province Ontario Postal Code N8H 1A1

Information on Container Refill Centre or Filling Plant

Location of facility.


D Street No. 1410 Street Name / 911 Number / Address, if applicable Huron Church Road Nearest Major Intersection Huron Church Rd/Tecumseh Road W

Town / City or Township / County Windsor Province Ontario Postal Code N9C 2L1

Name of Licence Holder Pardeep Rai



Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT). Pardeep Rai ROT type 100-01

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

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.

Print name	Signature	Date (dd-mmm-yyyy)
Name of Licence Holder <u>Pardeep Rai</u>		<u>13-01-2017</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>Pardeep Rai</u>		<u>13-01-2017</u>



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SECTION A: GENERAL INFORMATION (cont'd)

Indicate the year the facility was established. 1990	Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. There are no significant modifications to the site.
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Identify the psig rating and serial number for each fixed propane storage tank on site.

	PSIG	Serial Number
Tank 1:	250	34-98
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: **278.4 USWG** Mobile: **0 USWG**

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Name of person completing this form (please print) Pardeep Rai	Official Title Manager	
Signature 	Telephone No. 647-294-9370	Date (dd-mmm-yyyy) 13-01-2017



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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.	
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 Mike Taylor	
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.	
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		Capacity stored off-site, in USWG	For Office Use - Party No.
Street No.	Street Name / 911 Number / Address, if applicable		
Town / City or Township / Country		Province	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.

Facility is an operating Gas Station & Car Wash with some chemical storage for soap and other cleaners. There are no major hazardous materials on site that are associated with this operation. The site has 1x2,000 USWG Horizontal tank, 1x20lb cylinder for purging and 2 cylinder cages holding up to 48x20lb cylinders. Facility also has underground gasoline tanks 2x40,000 litre for Regular, 1x25,000 litre for premium and 1x25,000 litre for Diesel. All underground tanks are fiberglass double walled protected.

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

The facility is equipped with fire extinguishers. They are located at the gasoline islands, car wash bays, c-store and at the propane tank. There is a remote Emergency Shut down (ESD) located on one of the posts near the propane tank. The ESD kills power to the propane and stops the motor and closes the fuel supply solenoid valve to prevent product flow. The site has security cameras that are monitored 24/7.


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 to the pump. There is an Emergency Shut Down (ESD) located on one of the posts at the propane tank. The ESD kills power to the propane and stops the motor and closes the fuel supply solenoid valve to prevent product flow. There is an alarm systems on site. The site is monitored by security cameras 24/7.

Maintenance and testing schedule for fire protection controls and devices.

The fire extinguishers are checked monthly and retested annually for proper operation. The propane equipment and ESD is inspected annually by a TSSA registered contractor. Copies of Inspection reports are keep on site.

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Signature 		Telephone No. 647-294-9370	Date (dd-mmm-yyyy) 13-01-2017



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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 Pardeep Rai	For Office Use - Party No.	Name Pardeep Rai	For Office Use - Party No.
Official Title Manager		Official Title Manager	
Telephone No. 1-519-253-3301	Fax No. N/A	Cell No. 647-294-9370	Fax No. N/A
E-mail manudoubleseven@hotmail.com		E-mail manudoubleseven@hotmail.com	
Role and responsibilities in emergency Will ensure all employees are trained to work with propane and enforces the site safety plan in response to emergencies. Will make 911 Call.		Role and responsibilities in emergency Same as Item 1	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Manuneet Rai	For Office Use - Party No.	Name Pardeep Rai	For Office Use - Party No.
Official Title Assistant Manager		Official Title Manager	
Telephone No. 1-519-253-3301	Fax No. N/A	Telephone No. 1-519-253-3301	Fax No. N/A
E-mail manudoubleseven@hotmail.com		E-mail manudoubleseven@hotmail.com	
Role and responsibilities in emergency Will assist the key contact in emergencies and will assume responsibility for site liason if key contact is away from site. Will make 911 call.		Role and responsibilities in emergency Same as Item 1	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name John Lee	For Office Use - Party No.	Name Mike Taylor	For Office Use - Party No.
Official Title Chief Fire Prevention Officer	E-mail jlee@city.windsor.on.ca	Official Title General Manager	E-mail mtaylor@primemaxenergy.com
Telephone No. 519-253-3016 ext 275	Fax No. 519-258-1126	Telephone No. 1-519-740-8209	Fax No. 1-519-740-1015
Role and responsibilities in emergency Coordinates all fire services for Windsor and assigns the resources as required during emergencies.		Role and responsibilities in emergency Coordinates truck deliveries and would initiate the CPA Emergency Response Plan as required.	
Fire Services Address Windsor Fire Services, 815 Goyeau St., Windsor, ON, N9A 1H7		Propane Supplier Address Primemax Energy Inc. 2558 Cedar Creek Rd., RR#1, Ayr, Ontario N0B 1E0	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Steve Laforet	For Office Use - Party No.	Name Thom Hunt	For Office Use - Party No.
Official Title Deputy Fire Chief	E-mail slaforet@city.windsor.on.ca	Official Title City Planner/Executive Director	
Telephone No. 519-253-3016 ext 253	Fax No. 519-255-6832	Telephone No. 519-255-6543	Fax No. 519-255-6544
Role and responsibilities in emergency Assist chief with coordination of Fire Services resources.		E-mail thunt@city.windsor.on.ca	
Fire Services Address Windsor Fire Services, 815 Goyeau Street, Windsor, Ontario N9A 1H7		Municipality Name and Address Planning Department, 400 City Hall Square East, Suite 404, Windsor, Ontario N9A 7K6	

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Signature 	Telephone No. 647-294-9370
	Date (dd-mmm-yyyy) 13-01-2017



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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 Response Assistance Plan-available by contacting supplier.

The facility is built to the propane code requirements and does not have any extra features that are over and above the code. The tank is protected with concrete filled posts on all sides and has an Emergency shutdown button that will kill power to the pump and solenoid valve when pushed. Tank is in constant site of employees on the premises. Fire Equipment access is easy off of Huron Church Road with a large area to manoeuvre trucks around. There are security cameras located on the property, monitored 24/7.

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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-mmm-yyyy) 01-02-2017	Print Name of Training Provider: Promar Petroleum Inc.
	Print Name of Instructor: Mike Martin
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Training Date (dd-mmm-yyyy) 01-02-2017	Print Name of Training Provider: Promar Petroleum Inc.
	Print Name of Instructor: Mike Martin
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-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-mmm-yyyy) 01-02-2017	Print Name of Training Provider: Promar Petroleum Inc.
	Print Name of Instructor: Mike Martin
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-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-mmm-yyyy) TBD	Print Name of Training Provider: Promar Petroleum Inc.
	Print Name of Instructor: Mike Martin
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Target Date (dd-mmm-yyyy) TBD	Print Name of Training Provider: Promar Petroleum Inc.
	Print Name of Instructor: Mike Martin
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-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-mmm-yyyy) TBD	Print Name of Training Provider: Promar Petroleum Inc.
	Print Name of Instructor: Mike Martin
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

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

5. Emergency Response Communications Plan

Warnings and Actions

Describe who gives warnings to whom, and how and when the warning will be given (including public notification as appropriate).
The attendant on site will notify the patrons at the propane facility that a problem has occurred after pressing the ESD switch and closing the ISC valve. The patrons will be asked to leave the site and the attendant will proceed to make a 911 call and request fire and police response.

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).
After a warning is issued the attendant will block off the entrance/exits to the site. Once the area is free of customers the staff will meet at the "Muster Point" (See Drawing P-101) and await the arrival of 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).
Once an emergency situation is confirmed at the propane facility, the attendant will call 911 to ask for Fire and Police response. The attendant always carries a cell phone and also has access to a phone inside the service station. A call will be made at any two of the business locations on site.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.
The site is in operation 24/7 and is not fenced so access to the site is always available to Emergency Responders from Huron Church Road
There are no barriers to the site or tank.

Describe how the licence holder will ensure continual flow of updated information to authorities.
The attendant will always be on site as the site is operational 24/7. When Emergency Responders come to the site the attendant will identify themselves as the person who is responsible for the propane and will communicate directly with the Emergency Responders.

How long will it take the facility liaison person to respond to the site.
30-45 Minutes for the Owner if not already on site.

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Signature 		Telephone No. 647-294-9370	Date (dd-mmm-yyyy) 13-01-2017



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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>125 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. 647-294-9370	Date (dd-mmm-yyyy) 13-01-2017



S.R. Petroleum Inc.
1410 Huron Church Rd.,
Windsor, ON.
N9C 2L1

January 30th, 2017

Mr. John Lee, Assistant Chief, Fire Prevention Officer

City of Windsor Fire & Rescue Services,
815 Goyeau St.,
Windsor, Ontario,
N9A 1H7

Re: Invitation to Review Existing 2000 USWG Propane Tank Installation
S.R. Petroleum Inc., (o/a Shell), 1410 Huron Church Rd., Windsor, ON.

Dear Assistant Chief Lee:

In regards to our existing service station at the above location, the original owner of the facility has since sold the business to a new operator. According to the new Provincial Regulations under Ontario Reg 440/08, we are required to offer the City of Windsor Fire & Rescue Services an invitation to come and review our installation again once an ownership change is made.

We wish to advise you and any members of the City of Windsor Fire & Rescue Services, they are more than welcome to review our propane dispensing installation should this be of any interest to you or your staff. The propane installation has been operational for over two years and nothing has changed at the site.

If you or any of the members within your Department or the City of Windsor wish to review the installation again, we ask you to contact the undersigned at 647.294.9370 to make the necessary arrangements.

If you have any questions regarding this issue, do not hesitate to contact us, and once again, we thank you for your cooperation in helping us to secure a license for this service.

Yours truly,

A handwritten signature in blue ink, appearing to be "Pardeep Rai".

Pardeep Rai, Owner
S.R. Petroleum Inc.



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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-mmm-yyyy)

LOCAL FIRE SERVICES

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

Print name	Signature	Date (dd-mmm-yyyy)
Local Fire Services Name John Lee-Assistant Fire Chief		

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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-mmm-yyyy)	Capacity of single largest propane storage vessel (USWG)
09-06-2015	2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: <u>11.9m</u>	Right side property line: <u>3.05 m</u>
Rear: <u>3.05 m</u>	Left side property line: <u>69.7 m</u>
GPS coordinates of single largest vessel:	<u>Lat 42°17'22.09"N Long 83°3'31.72"W</u>

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Name of person completing this form (please print)	Official Title	
Pardeep Rai	Manager	
Signature	Telephone No.	Date (dd-mmm-yyyy)
	647-294-9370	13-01-2017



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SECTION C: SUBMISSIONS (cont'd)

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

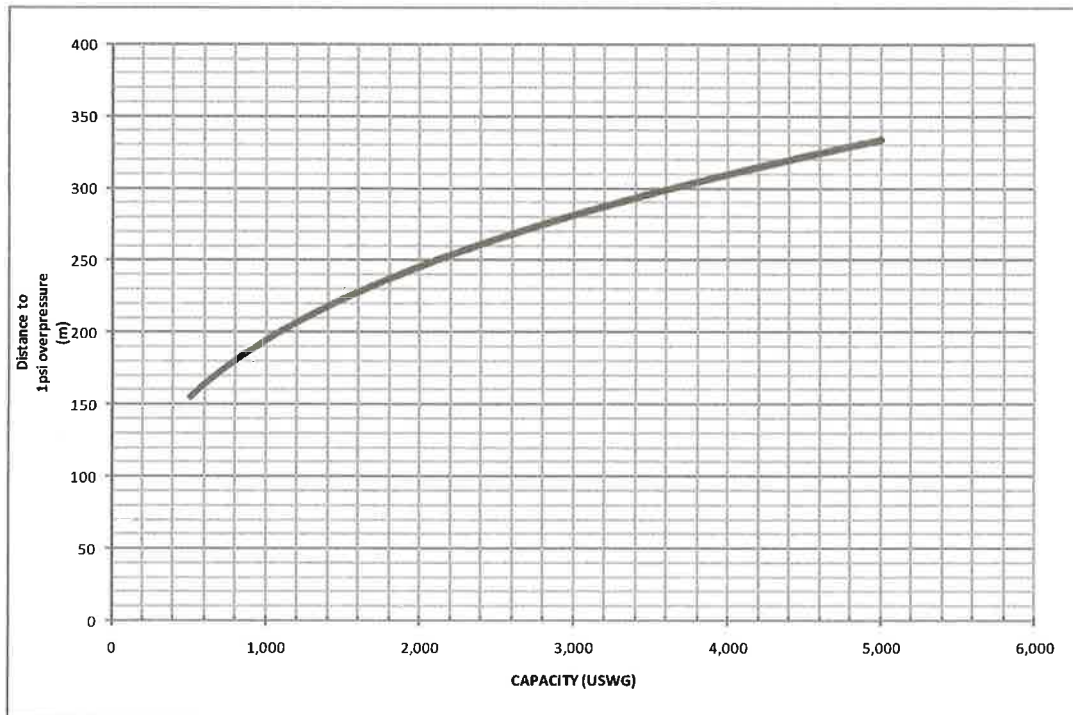
Table 1: Distance Table

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 M8X2X4
Fax: 416.231.4078
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: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Residential building units specifically permanent single family dwellings, condominiums, and apartments Name: _____ Address: _____ City: _____				X	155 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Ambassador Plaza</u> Address: <u>1640 Huron Church Road</u> City: <u>Windsor</u> Province <u>Ontario</u> Postal Code <u>N9C 2L1</u>				X	58 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: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ 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) <u>Pardeep Rai</u>	Official Title <u>Manager</u>
Signature 	Telephone No. <u>647-294-9370</u> Date (dd-mmm-yyyy) <u>13-01-2017</u>



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WORKSHEET

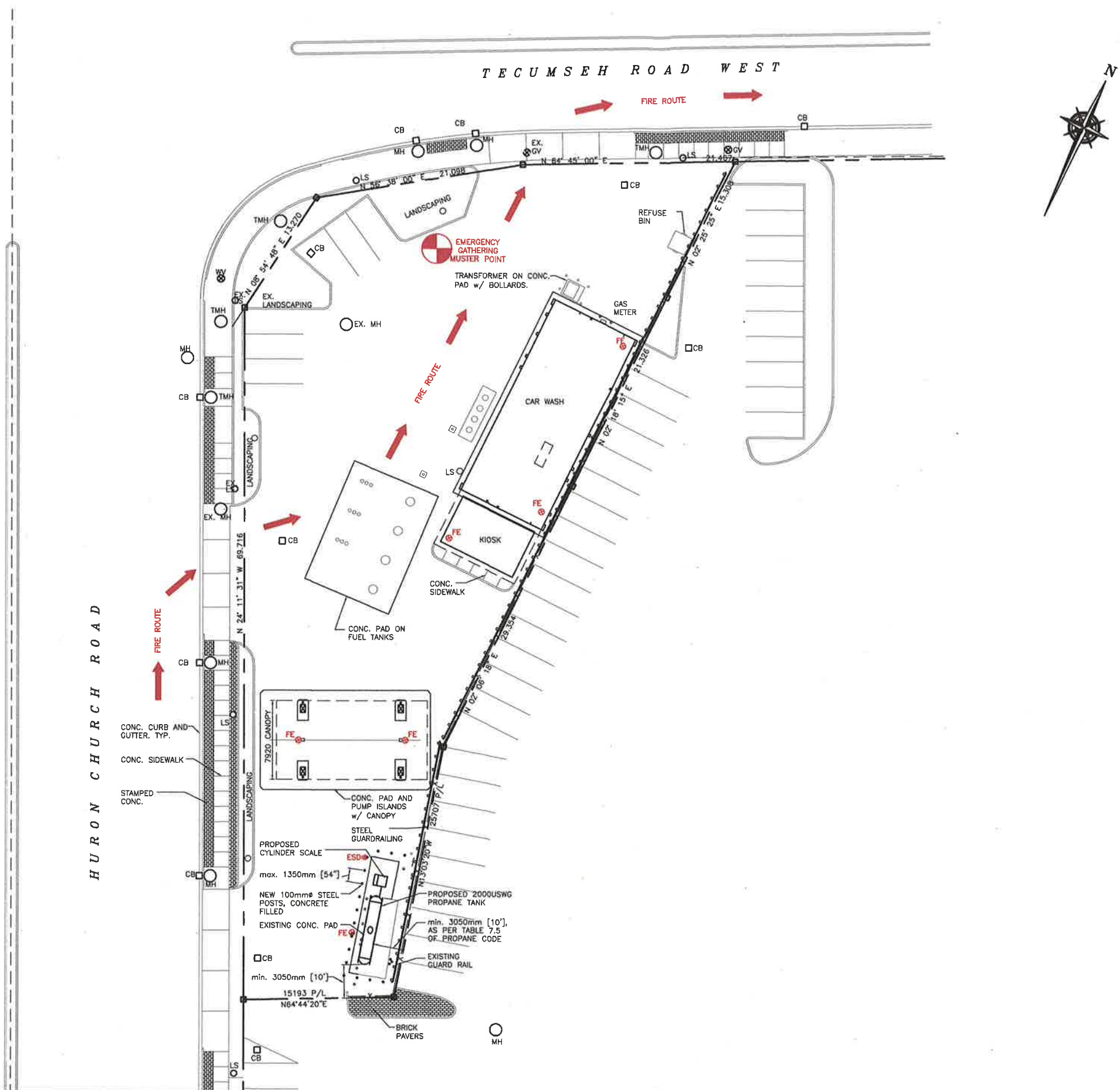
Portable Storage Additional Information Worksheet

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	48	278.4 USWG
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity			278.4 USWG

Tanks Stored On-site Not Connected for Use

Tank Size In USWG	Quantity	Total Volume in USWG
Total Tank Capacity		0 USWG

Total Cylinder Capacity	278.4 USWG
Total Tank Capacity	0 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	278.4 USWG



SITE DATA:
 ZONING INFORMATION: COMMERCIAL DISTRICT 3.3 (CD3.3)
 LOT AREA: 2389.8sq.m.
 BUILDING AREA: 235.4sq.m.
 LOT COVERAGE OF BUILDING: 9.8%

PROPERTY LINE SETBACKS	
NORTH	71.3m
SOUTH	3.3m
EAST	3.0m
WEST	11.6m

GPS COORDINATES	
LATITUDE	LONGITUDE
42°17'22.09"N	83°3'31.72"W

- LEGEND:**
- FE ⊗ FIRE EXTINGUISHER
 - FH ⊕ FIRE HYDRANT (DRY)
 - ESD ■ EMERGENCY SHUT-DOWN
 - ⊗ MUSTER POINT (OPTION BASED ON WIND DIRECTION)

No.	Date	Description	By
2	JAN. 30, '17	NEW OWNERSHIP	JRK
1	JUL. 15, '15	GUARD RAIL ADDED AS PER TSSA REQUEST	JRK
0	JUN. 10, '15	ISSUED FOR RSMF APPROVAL	JRK



ALTENG Inc.
 Alternative Energy Consulting
 126 Holm Crescent, Thornhill, Ontario L3T 5J3
 Telephone: (905)764-1644 Fax: (905)764-5986

Project: S.R. PETROLEUM INC. (o/a Shell Gas Station) 1410 Huron Church Road Windsor, ON. N9C 2L1	Drawn By: D.F. Checked By: J.R.K. Date: SEP. 29 '14
Drawing Title: PROPOSED SITE PLAN 2,000 USWG HORIZONTAL PROPANE TANK o/w RETAIL CYLINDER SCALE	Drawing Scale: 1:200
Drawing Number: P-101	File Number: 14150D
ACAD INFORMATION Drawing File: 14150D-P-101 Drawing Size: D Plotting Scale: 1=1	



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

$$D = 17 \times \left(0.1 \times W \times \frac{HC_r}{HC_{MT}} \right)^{1/3} = 246m$$

PROPERTY LINE SETBACKS	
NORTH	69.7m
SOUTH	3.05m
EAST	3.05m
WEST	11.9m

GPS COORDINATES	
LATITUDE	LONGITUDE
42°17'22.09"N	83°3'31.72"W

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

PLANNING ADVISORY INFORMATION:

AS PER TSSA ADVISORY REQUIREMENTS, THE FOLLOWING PLANNING INFORMATION IS PROVIDED BELOW:

CITY OF WINDSOR
 400 CITY HALL SQUARE EAST
 SUITE 404
 WINDSOR, ON. N8A 7K6
 ATTN: MR. THOM HUNT, CITY PLANNER
 PH# 519.255.6543
 FAX# 519.255.6544
 EMAIL: thunt@city.windsor.on.ca

No.	Date	Description	By
1	JAN 30, '17	OWNERSHIP CHANGE	JRK
0	JUN 09, '15	ISSUED FOR RSMP APPROVAL	JRK

REVISIONS



ALTENG Inc.
 Alternative Energy Consulting

126 Holm Crescent, Thornhill, Ontario L3T 5J3
 Telephone: (905)764-1644 Fax: (905)764-5986

Project: S.R. PETROLEUM INC. (o/a Shell Gas Station) 1410 Huron Church Road Windsor, ON. N8C 2L1	Drawn By: D.F. Checked By: J.R.K. Date: JUN. 09 '15
Drawing Title: BLAST RADIUS LAYOUT 2,000 USWG PROPANE TANK	ACAD INFORMATION Drawing File: 141500-P-200 Drawing Size: 0 Plotting Scale: 1=1
Drawing Number: P-200	File Number: 14150D