



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

*Dec 29*

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.

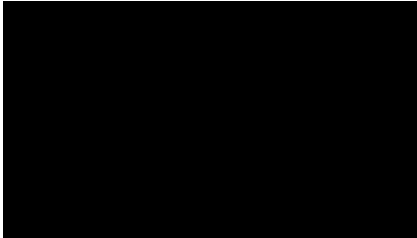
Failure to fully complete this form may result in rejection.  
Making a false statement may result in a fine or prosecution  
under the *Technical Standards and Safety Act*

Licence Number

Check applicable type of propane operations.

Cylinder     Motor Fill     Filling Plant     Card/Keylock

Submit along with this completed application a Facility Site Plan and a Map of the Surrounding Area.



**SECTION A: GENERAL INFORMATION**

The Undersigned applies to TSSA for a review for an RSMP under Ontario's *Technical Standards and Safety Act*, Propane Storage and Handling Regulation.

**A** Company Name  Ontario Corporation No., if applicable

Operator Name (if different from above)

Telephone No.  Fax No.  E-mail

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

Town / City or Township / County  Province  Postal Code

Mailing address if different from above.

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

Town / City or Township / County  Province  Postal Code

**Information on Container Refill Centre or Filling Plant**

Location of facility.

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

Town / City or Township / County  Province  Postal Code

Name of Licence Holder

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

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

Hours of operation.

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

Declaration: I am aware that it is an offence to give false information in this document and I hereby declare that the information I have given here is true and complete.

Name of Licence Holder	Print name <input type="text" value="Rami El-Haj"/>	Signature	Date (dd-mm-yyyy) <input type="text" value="05-12-2011"/>
Name of Senior Management person as defined in the Regulation holding the Record of Training	<input type="text" value="Rami El-Haj"/>		<input type="text" value="05-12-2011"/>



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**Technical Standards and Safety Act  
Propane Storage and Handling Regulation**

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

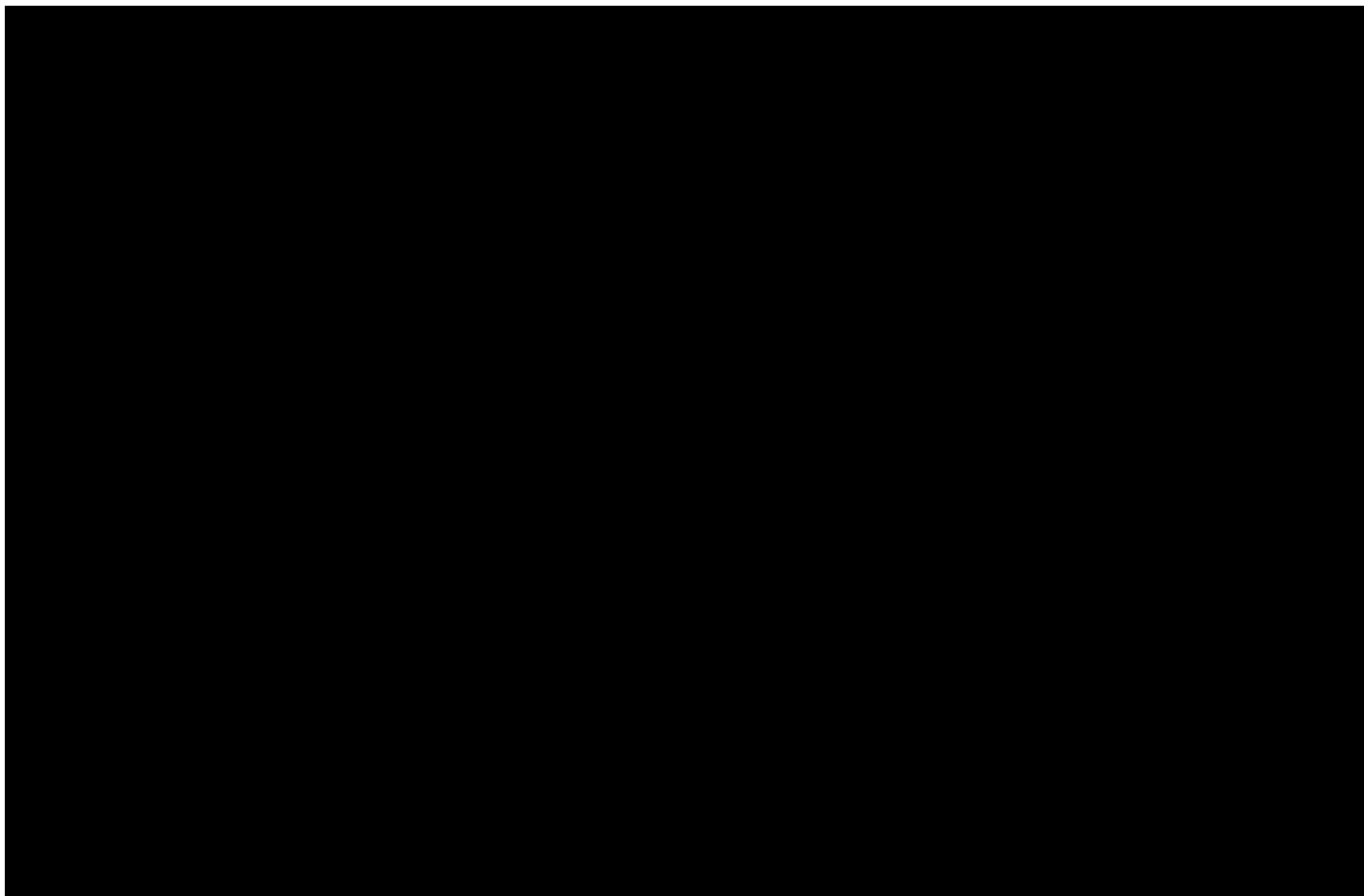
Indicate the year the facility was established. 1984      Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. No changes since

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

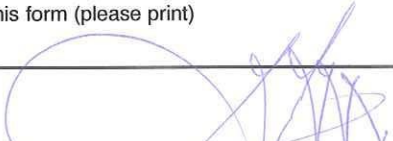
	PSIG	Serial Number
Tank1:	<u>250 PSIG</u>	<u>27-02</u>
Tank2:	_____	_____
Tank3:	_____	_____

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: 145 USWG      Mobile: N/A



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Name of person completing this form (please print) <u>Rami El-Haj</u>	Official Title <u>Owner</u>
Signature 	Telephone No. <u>905-683-7591</u> Date (dd-mm-yyyy) <u>29-11-2011</u>



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**Technical Standards and Safety Act**  
Propane Storage and Handling Regulation

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

Activity Information

<b>Name of Propane Supplier(s)</b> 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 JMikeTaylor			
E-mail primemax@primemaxenergy.com					

<b>Name of Propane Transporter.</b> If same as above, please check box. <input checked="" type="checkbox"/>					
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					

<b>Off-site Cylinder and/or Mobile Storage</b> N/A		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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Signature		Telephone No. 905-683-7591	Date (dd-mm-yyyy) 29-11-2011





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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 1 cylinder cage with a potential to hold 24 cylinders.

There are underground storage tanks 2 x 25,500 litre regular, 1 x 22,500 litre diesel and 1 x 22,500 litre premium tanks. Some oil & Window washer fluid that would not be considered hazardous. All tanks are fiberglass double wall protected. Car Wash has some chemicals on 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 Car Wash. There is also one fire extinguishers inside the Lube Shop.


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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	Date (dd-mm-yyyy) 29-11-2011



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

1. Contacts for Emergency Response

<b>1. Facility Contact Personnel - Key Contact</b>		<b>5. Facility 24-Hour Contact Person</b>	
Name Rami El-Haj	For Office Use - Party No.	Name Rami El-Haj	For Office Use - Party No.
Official Title Owner		Official Title Owner	
Telephone No. 905-683-7591	Fax No. 905-683-8121	Cell No. 416-989-2666	Fax No. 905-683-8121
E-mail rami@empireips.com		E-mail rami@empireips.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	
<b>2. Facility Contact Personnel - Alternate Contact</b>		<b>6. Name of Facility Manager</b>	
Name Earl Milbury	For Office Use - Party No.	Name Earl Milbury	For Office Use - Party No.
Official Title Manager		Official Title Manager	
Telephone No. 905-683-7591	Fax No. 905-683-8121	Telephone No. 905-683-7591	Fax No. 905-683-8121
E-mail		E-mail	
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	
<b>3. Local Fire Services - Key Contact</b>		<b>7. Propane Supplier Key Contact Person</b>	
Name Kieth Doucette	For Office Use - Party No.	Name Mike Martin	For Office Use - Party No.
Official Title Chief Fire Prevention Officer	E-mail keith.doucette@townofajax.com	Official Title President	E-mail promarpetroleum@rogers.com
Telephone No. 905-686-6055	Fax No. 905-683-8119	Telephone No. 416-580-1079	Fax No. 416-781-0844
Role and responsibilities in emergency Co-ordinates the resources for the Ajax Fire Services and allocates personnel for RSMP reviews and 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 Ajax Fire Department Headquarters, 800 Salem Rd., N. Ajax, ON.		Propane Supplier Address 494 Brookdale Avenue, Toronto, ON. M5M 1R7	
<b>4. Local Fire Services - Alternate Contact</b>		<b>8. Municipal Contact</b>	
Name	For Office Use - Party No.	Name Paul Allore	
Official Title	E-mail	Official Title Director of Planning and Development	
Telephone No.	Fax No. 9	Telephone No. 905-619-2529	Fax No. 905-686-0360 Ext: 3220
Role and responsibilities in emergency		E-mail paul.allore@townofajax.com	
Fire Services Address		Municipality Name and Address Town of Ajax, 65 Harwood Avenue S., Ajax, ON. L1S 2H9	

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Signature 	Telephone No. 905-683-7591
	Date (dd-mmm-yyyy) 29-11-2011





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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 tamper proof. Tank is protected by Steel posts, filled with concrete.  
 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 Car Wash and area is kept free of any obstructions so Fire Equipment access is easy and from the sides

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Rami El-Haj		Owner	
Signature		Telephone No.	Date (dd-mm-yyyy)
		905-683-7591	29-11-2011



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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 Response Plan and Procedures provided to facility key contacts.

Training Date (dd-mm-yyyy) 21-10-2011	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) 21-10-2011	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) 19-04-2011	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) 20-10-2012	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) 20-10-2012	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) 15-04-2014	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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**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 the neighbouring property owners. When Emergency Responders arrive, they will isolate the area and make any decisions to evacuate the area and businesses 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**

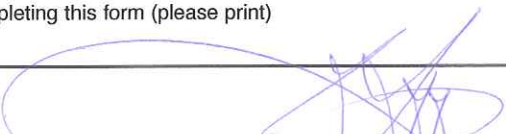
Describe when and how the licence holder will give early warning to emergency response authorities (including a process to ensure that a call is placed to 911).  
Owner/Managers have access to a phone and they have cell phones that can be used to contact 9-1-1. The manager on duty will call first unless 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 Hunt Street. There are no restrictions to the site from Hunt Street and a hydrant is located across the road. The site is open to the south and the tank is accessible to the Fire Services at any time of the day or night.

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 20 minutes.

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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>22 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. 905-683-7591	Date (dd-mm-yyyy) 29-11-2011



January 4<sup>th</sup>, 2012

Mr. Keith Doucette, Chief Fire Prevention Officer  
Town of Ajax  
Fire & Emergency Services,  
65 Harwood Avenue South,  
Ajax, Ontario  
L1S 2H9

**Re: Completed RSMP Documentation for Propane Tank - 2000 USWG Vertical  
Hajson Limited, 158 Hunt Street, Ajax, ON.**

Dear Chief Fire Prevention Officer Doucette:

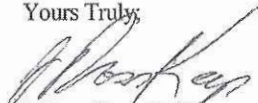
In reference to the above, the enclosed documentation represents a hard copy of the Risk and Safety Management Plan (RSMP) ready to submit to the Technical Standards & Safety Authority (T.S.S.A.). We have completed the Level 1 RSMP form located on the inside cover of the binder.

The documentation includes the site plan drawing and other information required under the new legislation and you are requested to review the documentation and once completed, sign page 11 and add any comments you feel are relevant. Any comments that you may have will be addressed by the Owner in a timely manner and well before the next renewal date.

The site has been operating for some time now and is currently licensed under the T.S.S.A. We have included an Emergency Preparedness Plan under section 5 for your review and once the MCR of Ontario determine what accredited courses will be implemented for training we are using this as a guide for employees on the site. Should you or any members of the Fire Department wish to inspect the site you are most free to do so at your convenience.

The T.S.S.A are getting quite strict on these installations regarding Fire Services approval so if you could have this reviewed in a timely manner it will be appreciated. As stated, if you have any comments feel free to add them to page 11 and the Owner will respond with a planned date to address them. Once completed if you contact the undersigned, arrangements will be made to pick up the form and copies can be made for your records. If you require anything else do not hesitate to contact us and we will try and comply. We want to thank you for your assistance in this process.

Yours Truly,

  
J. Ross Keys, P. Eng.

**AltEng 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

<b>To be completed by the Local Fire Services</b>	<b>Yes</b>	<b>No</b>
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).		
Fire services comments, if any:		
<b>To be completed by the Licence Holder</b>		
In response to the above comments, the following action(s) is required:		
The licence holder will respond to the Local Fire Services comments by: _____		
(dd-mm-yyyy)		

**LOCAL FIRE SERVICES**

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

Print name	Signature	Date (dd-mm-yyyy)
Local Fire Services Name <b>Paul Doucette</b>	[Redacted Signature]	<b>15-12-2011</b>

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Name of person completing this form (please print) <b>Rami El-Haj</b>	Official Title <b>Owner</b>
Signature 	Telephone No. <b>905-683-7591</b> Date (dd-mm-yyyy) <b>29-11-2011</b>



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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)	Capacity of single largest propane storage vessel (USWG)		
10-12-2011	2000 USWG		
Tank setback coordinates. Indicate placement on the map.			
Front:	67.9 m	Right side property line:	33.5 m
Rear:	3.1 m	Left side property line:	3.1 m
GPS coordinates of single largest vessel: Lat: 43 50'48.70"N Long:79 1'33.33"W			

**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	
J. Ross Keys	Consultant	
Signature	Telephone No.	Date (dd-mm-yyyy)
	416-526-1405	11-12-2011



**Technical Standards and Safety Authority**  
www.tssa.org

14th Floor - Centre Tower  
3300 Bloor Street West  
Toronto Ontario M8X 2X4  
Fax: 416.231.4903  
Customer Service: 1.877.682.8772

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

**SECTION C: SUBMISSIONS (cont'd)**

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

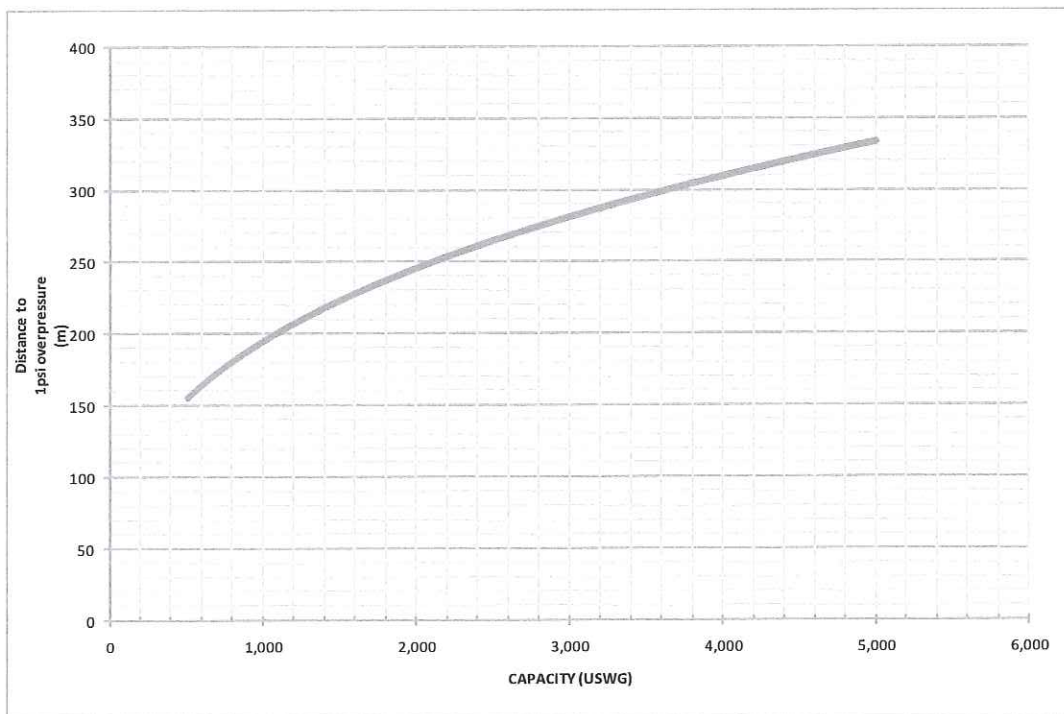
**Table 1: Distance Table**

Water Capacity (litres)	Nominal Water Capacity (USWG)	Distance to 1 psi overpressure (m)
1,890	500	155
3,780	1,000	195
4,920	1,300	213
6,620	1,750	235
7,130	1,885	241
7,560	2,000	246
18,900	5,000	333

**Formula:**  $D = 16.94 \times (1.524 \times C)^{1/3}$   
 D = Distance to overpressure of 1 psi (meters)  
 C = Tank Total Capacity in USWG

**Parameters:** Density of Propane is 0.5033 kg per litre @ 15 C  
 Assume all vessels are 80% full  
 1 gallon [US, liquid] = 0.003785411784 cubic meter  
 1 cubic metre = 264.17 USWG

**Hazard Distance Chart (EPA-TNT model)**







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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>Ajax Steam Plant (Index Energy)</u> Address: <u>170 Mills Road</u> City: <u>Ajax</u> Province <u>Ontario</u> Postal Code <u>L1S 2H1</u>			X		<u>8</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Villaris Martial Arts Centre</u> Address: <u>172 Hunt Street</u> City: <u>Ajax</u> Province <u>Ontario</u> Postal Code <u>L1S 1P5</u>			X		<u>54</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: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: <u>Emergency Medical Services Health Department</u> Address: <u>175 Hunt Street</u> City: <u>Ajax</u> Province <u>Ontario</u> Postal Code _____		X			<u>167</u> 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>J. Ross Keys</u>	Official Title <u>Consultant</u>
Signature 	Telephone No. <u>416-526-1405</u> Date (dd-mm-yyyy) <u>12-11-2011</u>



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*Technical Standards and Safety Act*  
Propane Storage and Handling Regulation

**WORKSHEET**

**Portable Storage Additional Information Worksheet**

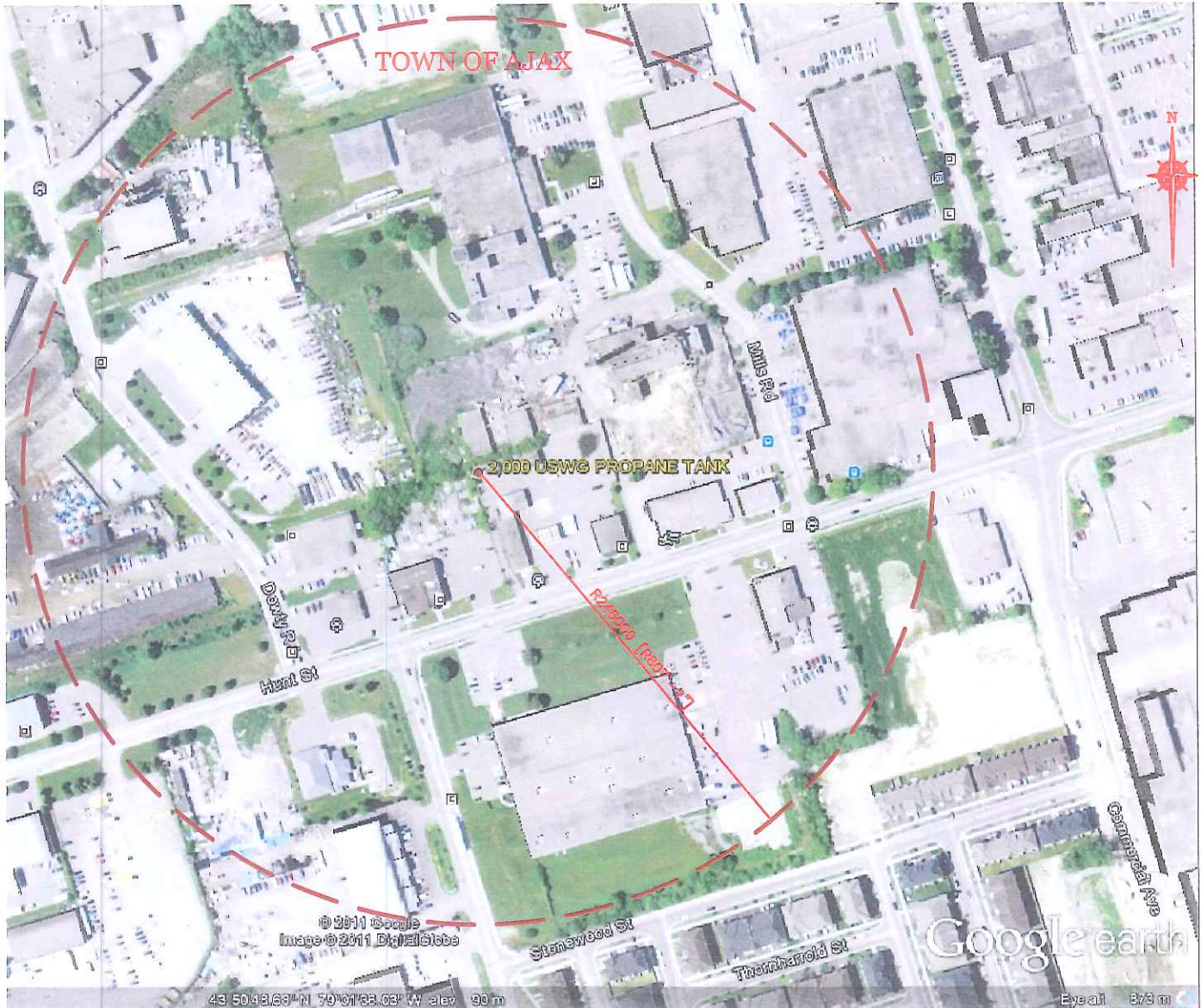
Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9		
# 100	29.5		
# 40	11.75		
# 33.3	9.62		
# 30	8.8		
# 20	5.8	25	145 USWG
# 10	2.9		
# 5	1.5		
<b>Total Cylinder Capacity</b>			145 USWG

**Tanks Stored On-site Not Connected for Use**

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

<b>Total Cylinder Capacity</b>	145 USWG
<b>Total Tank Capacity</b>	2000 USWG
<b>Total Portable Capacity</b> (Total Cylinder Capacity + Total Tank Capacity)	2145 USWG





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

$$D = 17 \times \left( 0.1 + \frac{W}{1000} \right)^{1/3} = 245m$$

PROPERTY LINE SETBACKS FOR PROPAANE TANK	
NORTH	3.1m
SOUTH	67.9m
EAST	33.5m
WEST	3.1m

GPS COORDINATES	
LATITUDE	LONGITUDE
43°50'48.70"N	79°1'33.33"W

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

**PLANNING ADVISORY INFORMATION:**

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

TOWN OF AJAX  
 63 HAWKWOOD AVENUE SOUTH  
 AJAX, ON L1S 2H9  
 ATTN: MR. GARY MULLER, MCIP, RPP  
 PH: 905.610.2529 EXT: 3261

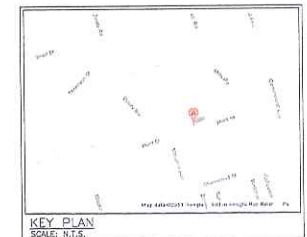
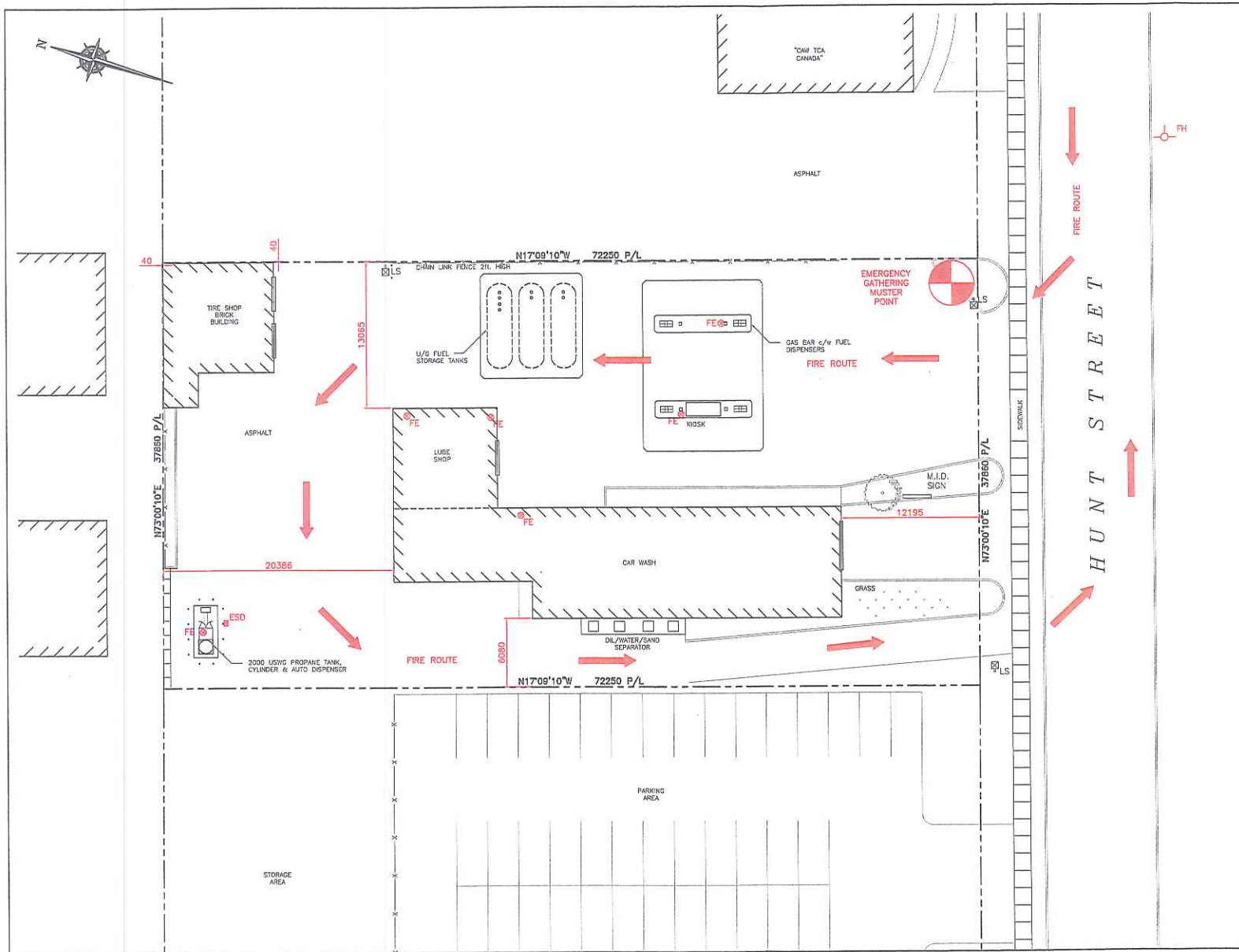
No.	Date	ISSUED FOR RSMIP	DESCRIPTION	BY
REVISIONS				

**HAJSON Ltd.**

**ALTENG Inc.**  
 Alternative Energy Consulting  
 126 Holm Crescent, Thornhill, Ontario L3T 8J3  
 Fax: (905)764-5986

Project: HAJSON Ltd. 155 Hunt Street Ajax, ON L1S 1P5	Drawn By: D.F. Checked By: J.R.N.C. Date: DEC. 11, '11
Drawing Title: BLAST RADIUS LAYOUT FOR 2,000 USWG PROPAANE TANK	Drawing Scale: 1:1000
Drawing Number: P-200	File Number: 11610D
<b>ACAD INFORMATION</b>	
Drawing File: 11610D-P-200	Drawing Date: D
Plotting Scale: 1=1	





**SITE DATA:**

LOT AREA: 2735.3sq.m.  
 BUILDING AREA: 538.0sq.m.  
 LOT COVERAGE OF BUILDING: 19.6%

**PROPERTY LINE SETBACKS**

NORTH	3.1m
SOUTH	67.8m
EAST	33.5m
WEST	3.1m

**GPS COORDINATES**

LATITUDE	LONGITUDE
43°50'46.70" N	79°11'33.33" W

**FUEL CAPACITY**

TANK #	PRODUCT	CAPACITY
1	UNLEADED	35,000L
2	PREMIUM	35,000L
3	DIESEL	25,000L

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

0	DEC. 06, '11	ISSUED FOR RFP	JRM
No.	Date	Description	By
REVISIONS			

**HAJSON Ltd.**

**ALTENG Inc.**  
 Alternative Energy Consulting  
 120 Helm Crescent, Thornhill, Ontario L3T 5J3  
 Telephone: (905)764-1244 Fax: (905)764-5880

Project:	HAJSON Limited (a/o OLCO Station)	Drawn By:	D.F.
	100 Hunt Street	Checked By:	J.L.L.
	Ajmer, ON L1S 1P3	Date:	DEC. 11, '11
Drawing Title:	EMERGENCY FIRE PLAN FOR 2,000 USWG PROPANE TANK	Drawing Scale:	1:150
Drawing Number:	P-101	ACAD INFORMATION	
		Drawing File:	11610D-P-101
		Drawing Size:	D
		Plotting Scale:	1=1