



**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

- 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.**

Company Name		Ontario Corporation No., if applicable
A 2324449 Ontario Inc. (o/a Daisy Mart Esso)		2324449
Operator Name (if different from above) Vigneswaran Kathiravelu		
Telephone No.	Fax No.	E-mail
705.277.1370	N/A	vick.kathir@hotmail.com

B Street No.	Street Name / 911 Number / Address, if applicable	
509	Highway 7A	
Town / City or Township / County		Province
City of Kawartha Lakes		Ontario
		Postal Code
		L0A-1A0

**Mailing address if different from above.**

C Street No.	Street Name / 911 Number / Address, if applicable	
509	Highway 7A	
Town / City or Township / County		Province
Bethany		Ontario
		Postal Code
		L0A-1A0

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

Location of facility.

D Street No.	Street Name / 911 Number / Address, if applicable		Nearest Major Intersection
509	Highway 7A		Highway 7A and Highway 35.
Town / City or Township / County		Province	Postal Code
City of Kawartha Lakes		Ontario	L0A-1A0

Name of Licence Holder

Vigneswaran Kathiravelu

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

Vigneswaran Kathiravelu

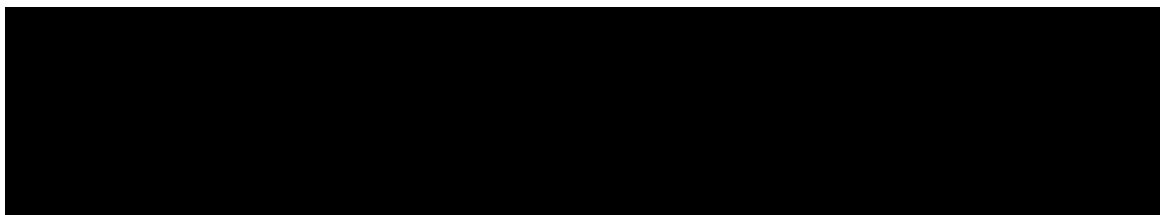
ROT type

100-08 / Filling Propane Cylinders

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

City of Kawartha Lakes

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-mm-yyyy)
Name of Licence Holder Vigneswaran Kathiravelu		19-02-2013
Name of Senior Management person as defined in the Regulation holding the Record of Training Vigneswaran Kathiravelu		19-02-2013



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 A: GENERAL INFORMATION (cont'd)**

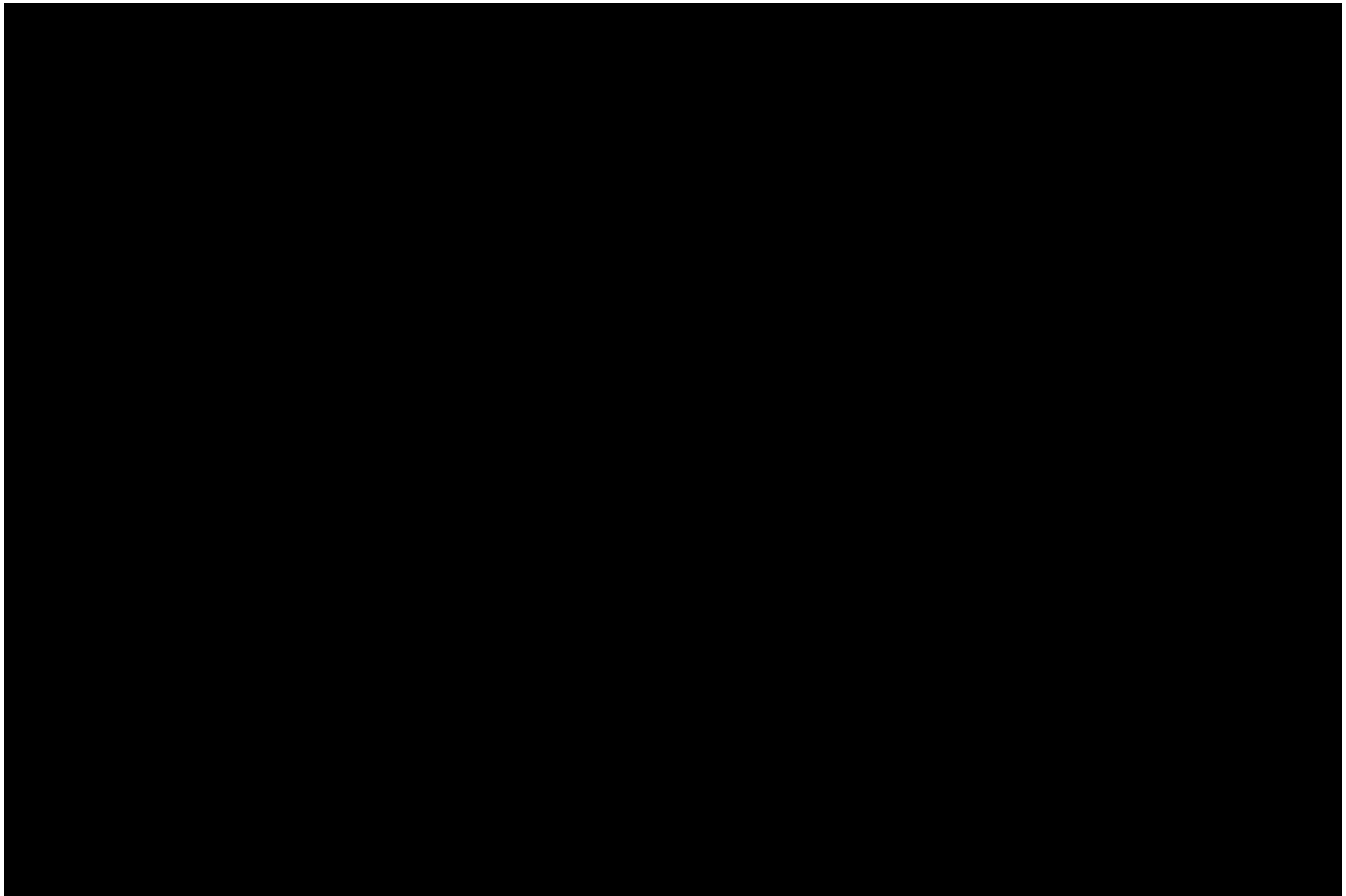
Indicate the year the facility was established. 2013      Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. N/A

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

	PSIG	Serial Number
Tank1:	<u>250 PSIG</u>	<u>N7668 (Asset ID #102662)</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: 1300 USWG      Portable: 516.7 USWG      Mobile: 0 USWG



**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) Vigneswaran Kathiravelu	Official Title Owner	
Signature 	Telephone No. 705.277.1370	Date (dd-mm-yyyy) 19-02-2013



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

<b>Name of Propane Supplier(s)</b> Superior Propane - Ontario Regional Operations Centre		For Office Use - Party No.	
<b>Street No.</b> 251	<b>Street Name / 911 Number / Address, if applicable</b> Woodlawn Road West, Unit 217		
<b>Town / City or Township / Country</b> Guelph		<b>Province</b> Ontario	<b>Postal Code</b> N1H 8J1
<b>Telephone No.</b> 1.877.873.7467	<b>Fax No.</b> 1.519.836.7766	<b>Contact Name</b> Bruce Graham	
<b>E-mail</b> GrahamB@superiorpropane.com			

<b>Name of Propane Transporter.</b> If same as above, please check box. <input type="checkbox"/>		[Redacted]	
Superior Propane			
<b>Street No.</b> 6722	<b>Street Name / 911 Number / Address, if applicable</b> Highway #7		
<b>Town / City or Township / Country</b> Peterborough		<b>Province</b> Ontario	<b>Postal Code</b> K9J 6X5
<b>Telephone No.</b> 1.705.927.2234.	<b>Fax No.</b> 1.705.745.3834	<b>Contact Name</b> Mark Wakeford	
<b>E-mail</b> WakeforM@SuperiorPropane.com			

<b>Off-site Cylinder and/or Mobile Storage</b> N/A		<b>Capacity stored off-site, in USWG</b>	For Office Use - Party No.
<b>Street No.</b>	<b>Street Name / 911 Number / Address, if applicable</b>		
<b>Town / City or Township / Country</b>		<b>Province</b>	<b>Postal Code</b>
<b>Telephone No.</b>	<b>Fax No.</b>	<b>Contact Name</b>	

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

**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.**

<b>Name of person completing this form (please print)</b> Vigneswaran Kathiravelu		<b>Official Title</b> Owner	
<b>Signature</b> 	<b>Telephone No.</b> 705.277.1370	<b>Date (dd-mm-yyyy)</b> 19-02-2013	



**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 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.**

The facility has two underground fuel tanks that contain diesel, gasoline and premium fuel. There are some small amounts of oil on site and windshield washer fuel. There are no other hazardous substances on site that are considered dangerous

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

The new propane facility will have a portable fire extinguisher near the tank and other fire extinguishers are located at the diesel dispenser and at the gasoline dispenser. A fire extinguisher is also located inside the main Convenience store entrance for easy access by the attendant. The Fire Extinguishers are to be qualified as per the Propane Code and as instructed by the Kawartha Lakes Fire Services review response.

**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 will be equipped with an Internal Self Closing (ISC) valve that is held open by a spring attached to a cable that has a fusible link as part of the latch. In the event of a fire the fusible link melts at 212 F and the valve closes. There will be an emergency stop at the propane tank and a remote one at the building (ESD) that when activated will interrupt power to the pump.

**Maintenance and testing schedule for fire protection controls and devices.**

The fire extinguishers are checked annually by an outside firm and the propane supplier does an annual check of the equipment and the Emergency Shut Down (ESD) system as part of the annual review to insure all safety systems are operational. The Owner will perform monthly checks of the ESD to insure it is operational. The location of Inspection Records and the MSDS's are found at the main counter under the cash area. These are available to the Fire Services upon request.

**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) Vigneswaran Kathiravelu		Official Title Owner	
Signature 		Telephone No. 705.277.1370	Date (dd-mm-yyyy) 19-02-2013



**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 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 Vigneswaran Kathiravelu	For Office Use - Party No.	Name Vigneswaran Kathiravelu	For Office Use - Party No.
Official Title Owner/ Manager		Official Title Owner/ Manager	
Telephone No. 705.277.1370	Fax No. N/a	Cell No. 416.841.0336	Fax No. N/a
E-mail vick.kathir@hotmail.com		E-mail vick.kathir@hotmail.com	
Role and responsibilities in emergency Insures all Fire Equipment is maintained, staff receive the training for the Emergency Plan and is main Liaison with responders		Role and responsibilities in emergency Same as Item 1	
<b>2. Facility Contact Personnel - Alternate Contact</b>		<b>6. Name of Facility Manager</b>	
Name Kanesamoorthy Selliah	For Office Use - Party No.	Name Vigneswaran Kathiravelu	For Office Use - Party No.
Official Title Assistant Manager		Official Title Owner/ Manager	
Telephone No. 705.277.1370 / 416.994.0714	Fax No. N/a	Telephone No. 705.277.1370	Fax No. N/a
E-mail N/a		E-mail vick.kathir@hotmail.com	
Role and responsibilities in emergency When the owner is absent, will carry out the Emergency Plan, and will take on the role as the main Liaison with responders.		Role and responsibilities in emergency Same as Item 1	
<b>3. Local Fire Services - Key Contact</b>		<b>7. Propane Supplier Key Contact Person</b>	
Name Mark Pankhurst	For Office Use - Party No.	Name Mark Mara	For Office Use - Party No.
Official Title Fire Chief	E-mail mpankhurst@kawarthalakes.on.ca	Official Title Account Manager	E-mail Mark_Mara@superiorpropane.com
Telephone No. 705-324-5731 Ext. 520	Fax No. 705-878-3463	Telephone No. 905.259.4340	Fax No. 705.745.3834
Role and responsibilities in emergency Coordinate/advise on City of Kawartha Lakes Fire Service Response. Reports to Council for the City		Role and responsibilities in emergency Can coordinate the propane equipment to respond to an emergency and can start the Emergency Response Plan for industry by contacting main office 24/7	
Fire Services Address 9 Cambridge Street, North, Lindsay, Ontario, K9V-4C4		Propane Supplier Address 6722 Highway 7, Peterborough, ON. K9J 6X5	
<b>4. Local Fire Services - Alternate Contact</b>		<b>8. Municipal Contact</b>	
Name Ron Raymer	For Office Use - Party No.	Name Judy Currins	
Official Title Assistant Fire Chief	E-mail rraymer@kawarthalakes.on.ca	Official Title City Clerk	
Telephone No. 705-324-5731 Exl. 592	Fax No. 705-878-3463	Telephone No. 705-324-9411 Exl. 1295	Fax No. 705-324-8110
Role and responsibilities in emergency Alternate - Coordinate/advise on City of Kawartha Lakes Service Response and assists Fire Chief in coordinating Fire Response & Resources		E-mail jcurrins@kawarthalakes.on.ca	
Fire Services Address 9 Cambridge Street, North, Lindsay, Ontario, K9V-4C4		Municipality Name and Address 26 Francis Street, Lindsay, Ontario, K9V-5R8	

**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) Vigneswaran Kathiravelu	Official Title Owner
Signature 	Telephone No. 705.277.1370
	Date (dd-mm-yyyy) 19-03-2013



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 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.

This facility will have all the required shut-down equipment and CSA & LPG approved valves and fittings for a propane Refill Centre under the B149.2-10 Code. The shut-off mechanisms will meet the current Codes and the remoteness of the facility does not warrant any additional measures above the current regulations regarding risk aversion.

The neighbours to the west and to the south can be notified of an emergency by the staff if the situation is serious. There are no plans to have a special Emergency notification system installed at this time. If the situation warrants it, an employee can be sent to the homes and the occupants notified. Any other notification system would just cause undo concern to the neighbours.

**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) Vigneswaran Kathiravelu		Official Title Owner	
Signature 		Telephone No. 705.277.1370	Date (dd-mm-yyyy) 19-03-2013



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

**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) 01-03-2013	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Mark Mara
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) 01-03-2013	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Mark Mara
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) 03-10-2012	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Reg Adamson
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:

**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) Vigneswaran Kathiravelu	Official Title Owner
Signature 	Telephone No. 705.277.1370
	Date (dd-mm-yyyy) 19-02-2013



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 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) 30-01-2014	Print Name of Training Provider: Esso Bethany
	Print Name of Instructor: Vigneswaran Kathiravelu
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) 30-01-2014	Print Name of Training Provider: Esso Bethany
	Print Name of Instructor: Vigneswaran Kathiravelu
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) 30-09-2015	Print Name of Training Provider: Fuel Safety Network
	Print Name of Instructor: Dave Kennedy
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:

**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) Vigneswaran Kathiravelu	Official Title Owner
Signature 	Telephone No. 705.277.1370
	Date (dd-mm-yyyy) 19-02-2013





**Technical Standards and Safety Authority**  
 www.issa.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 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).**

In the event of an Emergency, the attendant or Owner will evaluate the situation and determine what actions are required. If serious, the attendant will inform customers at the propane tank and other fuel dispensers to leave the site immediately. The Owner will engage the help of the attendant if available and then a call can be made to 9-1-1.

**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 customers outside and inside have been notified of the potential emergency, they will opt to leave the site or be directed to the Emergency "Muster" Point as per Drawing P-101 in the Emergency Response Binder. The Owner will make sure all customers and employees are informed or if not on site the Attendant in charge will make the announcement and direct people to the gathering area.

**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).**

The Owner and attendants have cell phones and there is a phone inside the Convenience Store. The call to 9-1-1 can be made by anyone and asking for Police & Fire Services. If on site the Owner will initiate the call. If not, the attendant will make the call to the Emergency Responders.

**Describe provisions for fire department entry when there are no operations or staffing at the propane site.**

The propane tank is not enclosed and the property is not fenced. There will be a lockable enclosure under the tank for valves and the pump but access to the site is unrestricted to Emergency Responders. If access to the equipment under the tank is needed a bolt cutter can be used to unlock the padlock. Otherwise the enclosure is open during operating hours.

**Describe how the licence holder will ensure continual flow of updated information to authorities.**

If the Owner is on site, he will be the main liaison with the Emergency Responders and provide any information to them regarding the remaining quantity of propane in the tank and status of other cylinders on site and the location. If attendant is only person a call to the Owner will be made and they will provide information to the Emergency Responders until the Owner arrives.

**How long will it take the facility liaison person to respond to the site.**

If after hours the Owner can be on site in 1 hour. If attendant is contacted, they can be on site in 20 minutes.

**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) Vigneswaran Kathiravelu		Official Title Owner	
Signature 		Telephone No. 705.277.1370	Date (dd-mm-yyyy) 19-02-2013



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 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 type="checkbox"/>	<input checked="" 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)	1500 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)	2000 m	

**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) Vigneswaran Kathiravelu	Official Title Owner	
Signature 	Telephone No. 705.277.1370	Date (dd-mm-yyyy) 19-03-2013



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 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>	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).		
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 Mark Pankhurst, Fire Chief		26-02-2013

**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) Vigneswaran Kathiravelu	Official Title Owner	
Signature 	Telephone No. 705.277.1370	Date (dd-mm-yyyy) 19-02-2013



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**  
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) 31-12-2012	Capacity of single largest propane storage vessel (USWG) 1300 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: <u>6.0 m</u>	Right side property line: <u>11.0 m</u>
Rear: <u>81.7 m</u>	Left side property line: <u>64.3 m</u>
GPS coordinates of single largest vessel: <u>Lat44°10'10.34"N Long78°40'38.12"W</u>	

**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) 07-01-2013



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

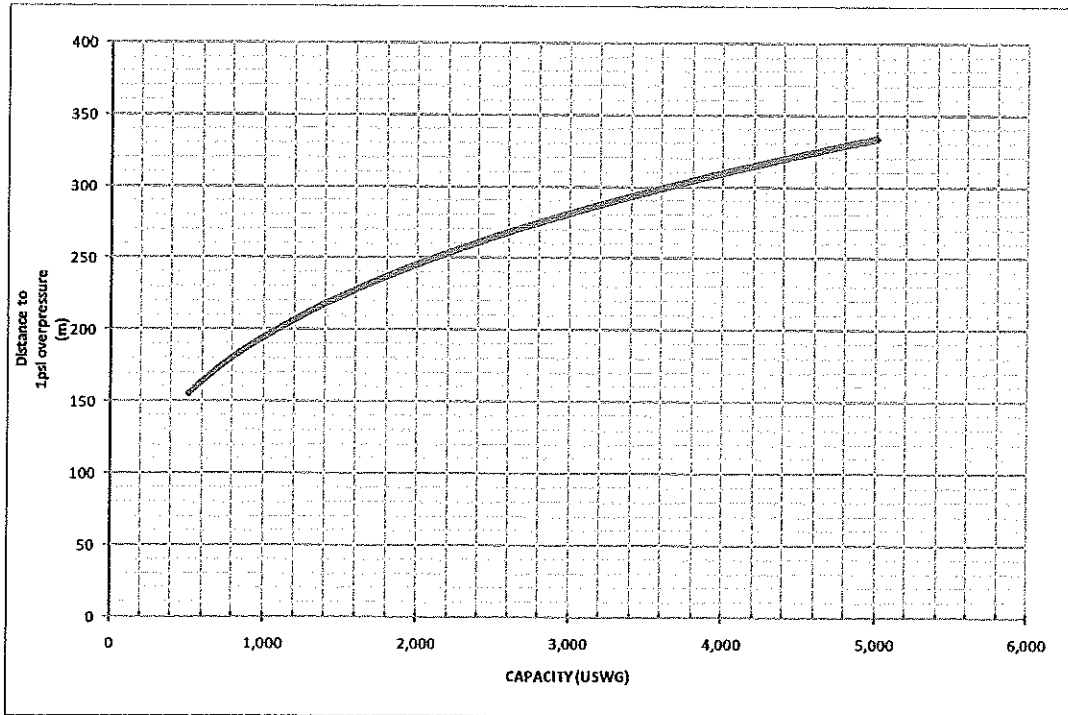
Table 1: Distance Table

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)





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: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. [Redacted]			X		95 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ 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) J. Ross Keys	Official Title Consultant
Signature 	Telephone No. 416.526.1405
	Date (dd-mm-yyyy) 07-02-2013



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

**WORKSHEET**

**Portable Storage Additional Information Worksheet**

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9	3	371.7 USWG
# 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 516.7 USWG</b>			

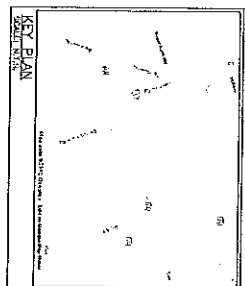
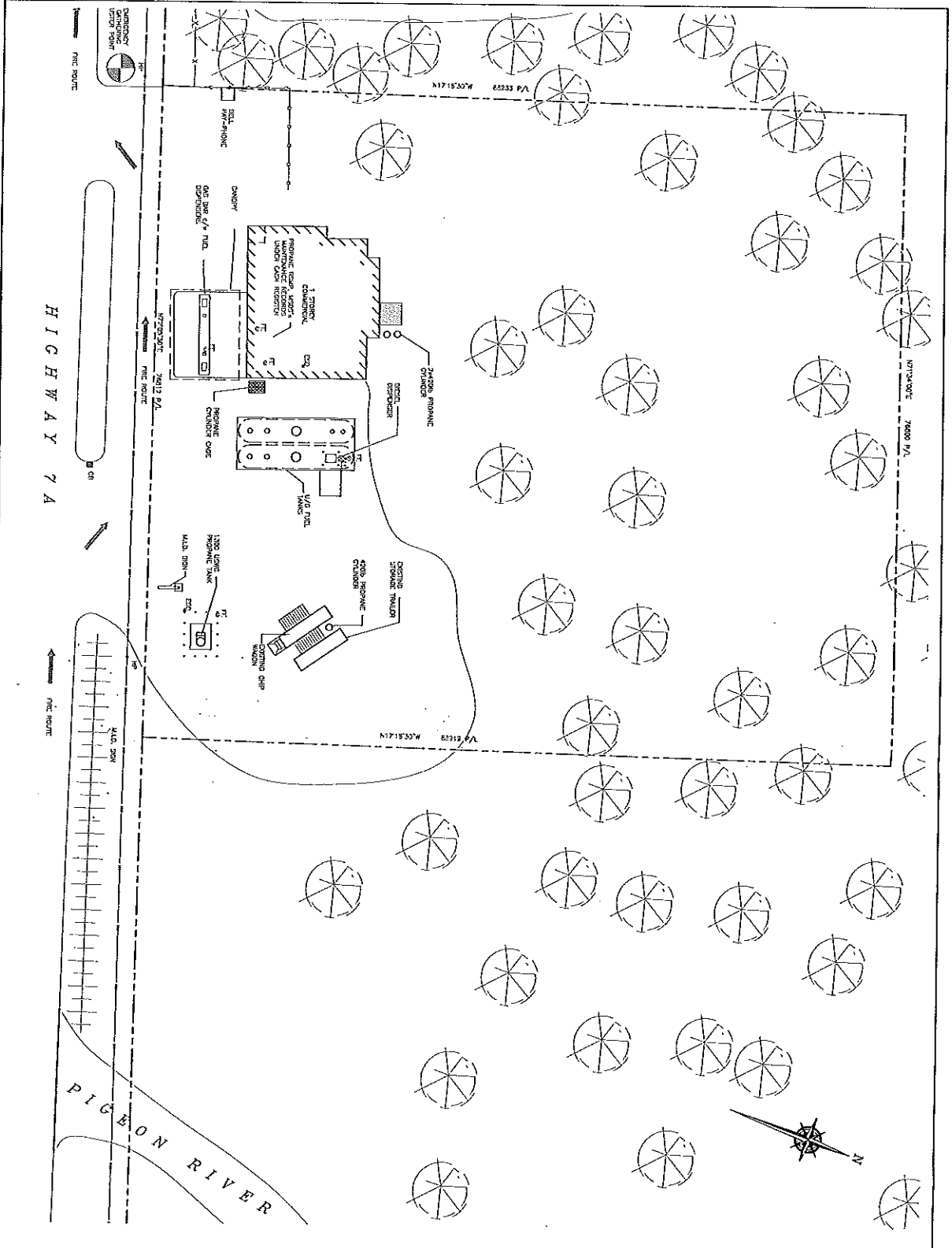
**Tanks Stored On-site Not Connected for Use**

Tank Size In USWG	Quantity	Total Volume In USWG
1300 USWG	1	1300 USWG
<b>Total Tank Capacity 1300 USWG</b>		

<b>Total Cylinder Capacity</b>	516.7 USWG
<b>Total Tank Capacity</b>	1300 USWG
<b>Total Portable Capacity</b> (Total Cylinder Capacity + Total Tank Capacity)	1816.7 USWG







**KEY PLAN**

**ZONING INFORMATION:**

LOT AREA: 6,822.76 sq. ft.

BUILDING AREA: 2,000 sq. ft.

LOT COVERAGE OF BUILDING: 29.3%

ZONING OF PROJECT: HIGHWAY COMMERCIAL, CC

EXISTING LOT DIMENSIONS	NEW LOT DIMENSIONS
WIDTH: 81.2m	WIDTH: 81.2m
DEPTH: 83.9m	DEPTH: 83.9m
AREA: 6,822.76	AREA: 6,822.76

GPS COORDINATES	UTM COORDINATES
NAD 83: 4781025.71 N, 78422612.75 E	UTM: 18QUC2517500000000000

**LEGEND:**

- FC = FIRE DEPARTMENT
- CD = CANNONARY SHUT-DOWN
- PC = FIRE HYDRANT (FM)
- HP = HYDRO PUMP (OPTION BASED ON ROAD DIRECTION)



**ALTENG Inc.**  
 Alternative Energy Consulting  
 177 Leon Street, Monroe, Louisiana 70501  
 Tel: (504) 336-8888

DATE	DESCRIPTION	BY
01 DEC 11, 11	ISSUED FOR T&E APPROVAL	JMK
02 DEC 11, 11	REVISED	JMK

Project Name: PROPOSED WINDFARM ON HIGHWAY 7A, AREA-A40  
 Drawing No: 123800D  
 Drawing Title: SUPPLEMENTARY FIRE PLAN  
 Drawing Scale: AS SHOWN  
 Project No: P-101  
 Revision: 123800D