



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.

<p>Failure to fully complete this form may result in rejection. Making a false statement may result in a fine or prosecution under the <i>Technical Standards and Safety Act</i></p> <p>Licence Number <input type="text" value="New Site"/></p> <p>Check applicable type of propane operations.</p> <p><input checked="" type="checkbox"/> Cylinder <input type="checkbox"/> Motor Fill <input type="checkbox"/> Filling Plant <input type="checkbox"/> Card/Keylock</p> <p>Submit along with this copy </p>	<p style="text-align: center;">For Office Use Only</p> <div style="background-color: black; width: 100%; height: 100%; min-height: 100px;"></div>
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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.

<p>A Company Name 2384774 Ontario Inc.</p> <p>Operator Name (if different from above) o/a Lucky Plus Convenience & Gas</p> <p>Telephone No. 613-955-9472 Fax No. n/a E-mail lianghe.herman@gmail.com</p>	<p>Corporation No. 2384774</p>
<p>B Street No. 22530 Street Name / 911 Number / Address, if applicable Loyalist Parkway</p> <p>Town / City or Township / County Trenton Province Ontario Postal Code K8V 5P7</p>	
<p>C Mailing address if different from above.</p> <p>Street No. Street Name / 911 Number / Address, if applicable Same As Above</p> <p>Town / City or Township / County Province Postal Code</p>	

Information on Container Refill Centre or Filling Plant		
Location of facility.		
<p>D Street No. 22530</p>	<p>Street Name / 911 Number / Address, if applicable Loyalist Parkway</p>	<p>Nearest Major Intersection Loyalist Parkway & 2nd Dughill Road</p>
Town / City or Township / County Trenton	Province Ontario	Postal Code K8V 5P7

Name of Licence Holder He Liang	
Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT) He Liang	ROT type 100-08
Municipality (or municipalities if the facility or its hazard distance touches multiple borders) Quinte West	
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 He Liang		01-06-2015
Name of Senior Management person as defined in the Regulation holding the Record of Training He Liang		01-06-2015



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SECTION A: GENERAL INFORMATION (cont'd)

Indicate the year the facility was established. <u>2015</u>	Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. <u>New Site</u>
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Identify the psig rating and serial number for each fixed propane storage tank on site.

	PSIG	Serial Number
Tank 1:	<u>250</u>	<u>1D79-56</u>
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: 1000 USWG Portable: 139.2 USWG Mobile: 0 USWG

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Name of person completing this form (please print) <u>He Liang</u>	Official Title <u>Manager</u>	
Signature 	Telephone No. <u>1-613-955-9472</u>	Date (dd-mmm-yyyy) <u>30-06-2015</u>



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

Name of Propane Supplier(s) Rosebush Energies		For Office Use - Party No.	
Street No. 4026	Street Name / 911 Number / Address, if applicable Old Hwy #2 East		
Town / City or Township / Country Belleville		Province Ontario	Postal Code K8N 4Z4
Telephone No. 1-613-966-1372	Fax No. 1-613-967-9920	Contact Name Derek Rosebush	
E-mail derek@rosebushfuels.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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Name of person completing this form (please print) He Liang		Official Title Manager	
Signature 	Telephone No. 1-613-955-9472	Date (dd-mmm-yyyy) 30-06-2015	



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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.

The facility is an operating Gas Station & Convenience Store. There are no major hazardous materials on site that are associated with this operation.

The site has 1x1,000 USWG Horizontal propane tank, 1x20lb cylinder for purging and 1 cylinder cage holding up to 24x20lb cylinders. The facility also has underground gasoline tanks 1x35,000 litre for Regular, 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, convenience 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 12 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.

The Electrical Panel will be labeled and location is on Drawing P-101. An audible alarm will be used. The site is monitored by 12 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 kept on site.

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Name of person completing this form (please print) He Liang	Official Title Manager	
Signature 	Telephone No. 1-613-955-9472	Date (dd-mmm-yyyy) 30-06-2015



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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 He Liang	For Office Use - Party No.	Name He Liang	For Office Use - Party No.
Official Title Manager		Official Title Manager	
Telephone No. 613-955-9472	Fax No. n/a	Cell No. 416-801-9588	Fax No. n/a
E-mail lianghe.herman@gmail.com		E-mail lianghe.herman@gmail.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 Tongyu Gao	For Office Use - Party No.	Name He Liang	For Office Use - Party No.
Official Title Assistant Manager		Official Title Manager	
Telephone No. 613-955-9472	Fax No. n/a	Telephone No. 613-955-9472	Fax No. n/a
E-mail lianghe.herman@gmail.com		E-mail lianghe.herman@gmail.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 Greg King	For Office Use - Party No.	Name Derek Rosebush	For Office Use - Party No.
Official Title Senior Fire Prevention Officer	E-mail gregk@quintwest.ca	Official Title Operations Manager	E-mail derek@rosebushfuels.com
Telephone No. 613-392-2841 ext 7479	Fax No. 613-965-6133	Telephone No. 1-613-966-1372	Fax No. 1-613-967-9920
Role and responsibilities in emergency Coordinates all fire services for Trenton 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 165 Front Street, Trenton, Ontario K8V 4N6		Propane Supplier Address Rosebush Energies 4026 Old Hwy #2 East, Belleville, Ontario K8N 4Z4	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Daniel Smith	For Office Use - Party No.	Name Kevin Heath	Party No.
Official Title Deputy Fire Chief	E-mail daniels@quintwest.ca	Official Title Manager of Corporate Services/City Clerk	
Telephone No. 613-392-2841 Ext 7474	Fax No. 613-965-6133	Telephone No. 613-392-2841 ext 4490	Fax No. 613-392-0131
Role and responsibilities in emergency Will assist with coordination of Fire Services resources as needed.		E-mail kevinh@quintwest.ca	
Fire Services Address 165 Front Street, Trenton, Ontario K8V 4N6		Municipality Name and Address 7 Creswell Drive P.O.Box 490, Trenton, Ontario K8V 5R6	

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Name of person completing this form (please print) He Liang	Official Title Manager
Signature 	Telephone No. 1-613-955-9472
	Date (dd-mmm-yyyy) 01-06-2015



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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 Loyalist Parkway with a large area to manoeuvre trucks around. There are 12 security cameras located on the property, monitored 24/7.

Maintenance Schedule:

The Weigh Scales will be checked annually for accuracy by Canadian Weights and Measures. A certificate will be provided to site and shown to the TSSA.

The Emergency Shut Down system is to be checked quarterly by the Owner to insure it is operating properly

An Air Horn will be used to warn customers and adjacent properties that an incident has occurred at the facility. (See below)

Air Horn Requirement:

The local Fire Services have requested an Air Horn be used that can sound an audible alarm to warn customers and neighbours that an incident has taken place at the propane installation. Sequence of warning is as follows:

1 Press and hold button or use a compressed air horn.

2 Give three (3) blasts of the horn to signal a problem with the propane system

Note: Prior to implementing this control, provide an information sheet to the nearest occupants as to what the Air Horn blast means and what their action should be.

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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) 29-06-2015	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) 29-06-2015	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) 29-06-2015	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) 09-05-2016	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) 09-05-2016	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) 09-05-2018	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 convenience store. A call will be made at any two of the business locations on site.
In emergency, the Manager will take a copy of the RSMP to the "Muster Point" to account for anyone missing. They will then provide key information to the Emergency Responders once they arrive on site.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.
The owner is on site 24/7 as he lives in the second floor residence. The site is not fenced so access to the site is always available to Emergency Responders from Loyalist Parkway. 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 during normal business hours. 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.
The owner is on site 24/7 as he lives in the second floor residence.

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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)	41 m	
4. What is the unobstructed distance to the closest approved water supply with year round access if there are no hydrants? (distance in metres only)	N/A	

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

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

8. Licence holder and local Fire Services Review

To be completed by the Local Fire Services

Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?

Yes	No
<input checked="" type="checkbox"/>	<input type="checkbox"/>

If not, please explain (e.g., no fire services).

Fire services comments, if any:

See comments contained in email sent to Ross Keys on June 24, 2015

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 Greg King-Senior Fire Prevention Officer		19-06-2015 <i>6/16</i>

June 24, 2015

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Name of person completing this form (please print)	Official Title
He Liang	Manager
Signature	Date (dd-mmm-yyyy)
	01-06-2015
	Telephone No.
	1-613-955-9472

Ross Keys

From: Greg King [gregk@quintewest.ca]
Sent: Thursday, June 25, 2015 4:17 PM
To: Ross Keys
Cc: Tim Hennessey
Subject: RE: RSMP for Lucky Plus

Ross,

I am away on holidays starting tonight. Please contact Tim Hennessey, Fire Prevention Officer at extension 7465 with required changes and he will send you my sign off for Lucky Plus.

Thanks,



Greg King, C.F.E.I., Bsc.
Senior Fire Prevention Officer
Quinte West Fire / Rescue

613.392.2841 Ext. 7479

613.965-6133 fax

gregk@quintewest.ca

www.quintewest.ca



SMOKE ALARMS SAVE LIVES!!

From: Ross Keys [<mailto:jrkeys@sympatico.ca>]
Sent: June-25-15 7:24 AM
To: Greg King
Subject: RE: RSMP for Lucky Plus

Hi Greg

Thanks for that. I will make the changes and forward to your attention once finalized

Ross

From: Greg King [<mailto:gregk@quintewest.ca>]
Sent: Wednesday, June 24, 2015 8:34 AM
To: jrkeys@sympatico.ca
Subject: RSMP for Lucky Plus

Mr. Ross Keys,

Further to your letter dated June 8, 2015 I have conducted a site inspection and a detailed review has been completed for the above noted. The level 1 RSMP and Risk and Safety Management Plan were well prepared. Please find below the Fire Department comments:

- 1) List of fire protection controls – Page 4 of 15. Please describe the exact location of the electrical panel / electrical disconnects (i.e. breakers for pumps and propane dispensing system / owner should clearly identify pertinent breakers on panel).
- 2) Maintenance and testing schedule for fire protection controls and devices. – Page 4 of 15. Please add the following controls and / or devices to your list:
 - a) Weigh scales for propane tanks (i.e. note testing schedule as required by TSSA and who conducts tests).
 - b) Emergency stop button (i.e. quarterly tests by manager).
 - c) Emergency air horn (see below for more information).
- 3) Additional Safety Measures / Warnings and Actions – Page 6 and 9 of 15 respectively. Please add the following information.

Emergency communication tools used at the facility.

 - Air Horn – used to alert inside and outside staff and adjacent occupancies of an on-site emergency and the need to evacuate. The operating instructions are; press and hold the red button to activate. Three (3) blasts of the horn, repeated three times. Advise nearby neighbors (e.g. to the north, east and west) of the purpose and meaning of the air horn. Locate the air horn in the office and/or cash register area.
- 4) Communication with Emergency Response Authorities – Page 9 of 15. Please add the following information. Action to be taken - The attendant will take a personal accountability record for all patrons and staff located at the muster point and identify any body missing. The attendant will have copy of the Risk and Safety Management Plan with them for reference and to provide key information to the responding Fire Department.
- 5) Buildings and Features – Page 14 of 15 (Table 2). Add the industrial use (concrete forms) located to the west of the subject lands to the chart. Combine He Liang's commercial and residential information under the commercial building unit category since he is the owner and occupant of both. For the residential section, add the information for the closest residential unit not located on Mr. Liang's property. Add the vacant commercial building located on the north east corner of the intersection of 2nd Dug Hill Road and Loyalist Parkway in the commercial section.

I have signed Page 11 of 15 and will send a copy pending the aforementioned changes being made. Please feel free to contact me should you have any questions or concerns.

Thank you,



A Natural Attraction



Greg King, C.F.E.I., Bsc.

Senior Fire Prevention Officer
Quinte West Fire / Rescue

613.392.2841 Ext. 7479

613.965-6133 fax

gregk@quintewest.ca

www.quintewest.ca



SMOKE ALARMS SAVE LIVES!!



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

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) <u>31-05-2015</u>	Capacity of single largest propane storage vessel (USWG) <u>1000 USWG</u>
Tank setback coordinates. Indicate placement on the map.	
Front: <u>20 m</u>	Right side property line: <u>40.7 m</u>
Rear: <u>33.9 m</u>	Left side property line: <u>9.7m</u>
GPS coordinates of single largest vessel: <u>Lat44°4'31.03"N Long77°35'39.64"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) <u>J. Ross Keys</u>	Official Title <u>Consultant</u>
Signature 	Telephone No. <u>416.526.1405</u> Date (dd-mmm-yyyy) <u>30-06-2015</u>



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SECTION C: SUBMISSIONS (cont'd)

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

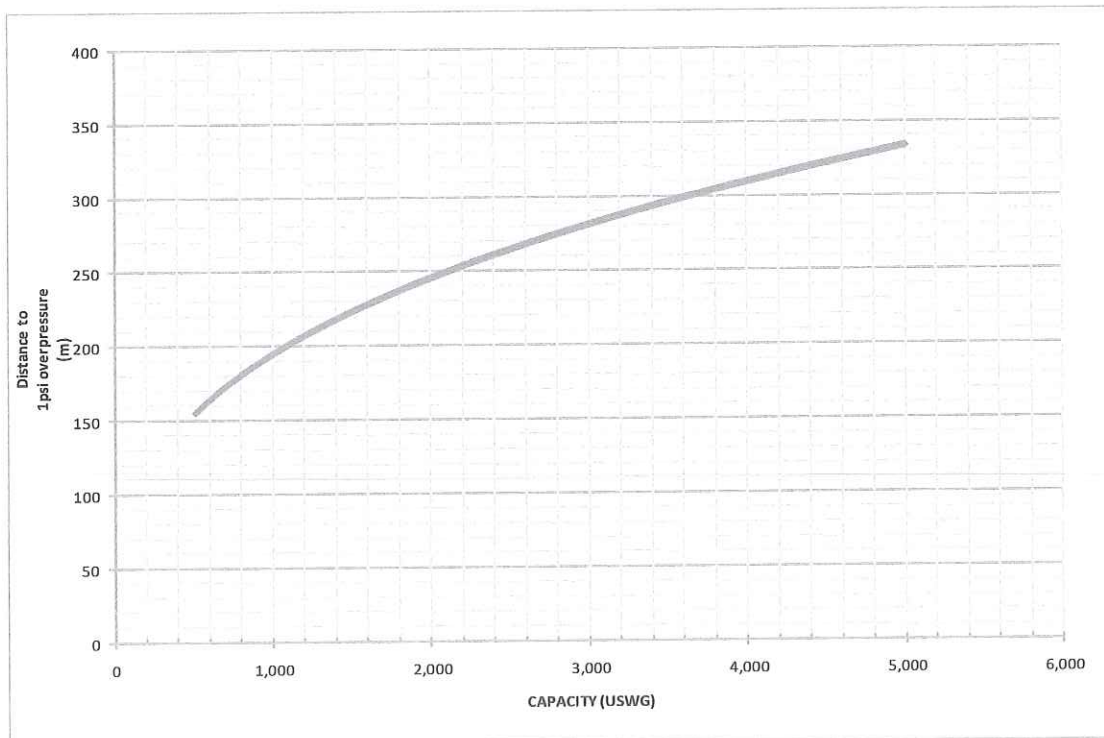
Table 1: Distance Table

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)





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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		56 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Lucky Plus Convenience & Gas</u> Address: <u>22530 Loyalist Parkway</u> City: <u>Trenton</u> Province <u>Ontario</u> Postal Code <u>K8V 5P7</u>			x		13 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>J. Ross Keys</u>	Official Title <u>Consultant</u>
Signature 	Telephone No. <u>416.526.1405</u>
	Date (dd-mmm-yyyy) <u>30-06-2015</u>



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WORKSHEET

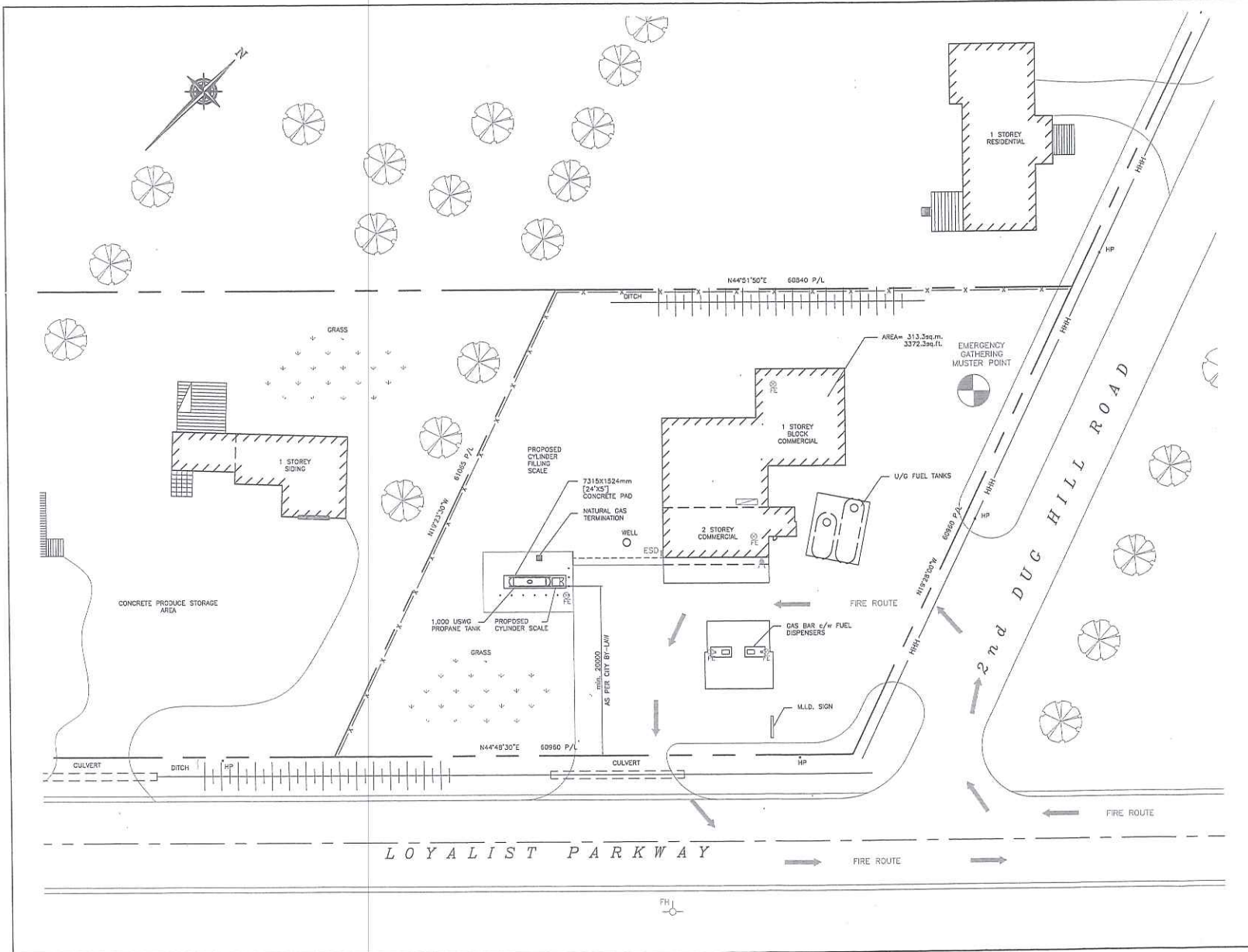
Portable Storage Additional Information Worksheet

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	24	139.2 USWG
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity			139.2 USWG

Tanks Stored On-site Not Connected for Use

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

Total Cylinder Capacity	139.2 USWG
Total Tank Capacity	0 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	139.2 USWG



SITE DATA:

ZONING INFORMATION: COMMERCIAL RURAL (CR)
 LOT AREA: 3,347.2sq.m.
 BUILDING AREA: 320.7sq.m.
 LOT COVERAGE OF BUILDING: 9.6%

PROPERTY LINE SETBACKS

NORTH	33.8m
SOUTH	20.0m
EAST	40.7m
WEST	9.7m

GPS COORDINATES

LATITUDE	44°43'1.03"N
LONGITUDE	77°35'39.64"W

- LEGEND:**
- FE ⊙ FIRE EXTINGUISHER
 - FH ⊕ FIRE HYDRANT
 - ESD ≡ EMERGENCY SHUT-DOWN
 - ⎓ ELECTRICAL CABINET
 - ▲ AIR HORN
 - ⊙ MUSTER POINT (OPTION BASED ON WIND DIRECTION)
 - FIRE ROUTE

1	JUN 20, '15	CABINET AND AIR HORN ADDED PER FIRE SERVICES REQUEST	JRW
0	MAY 25, '15	ISSUED FOR RSP APPROVAL	JRW
No.	Date	Description	By
REVISIONS			

Lucky Plus +

ALTENG Inc.
 Alternative Energy Consulting
 126 Helm Crescent, Thornhill, Ontario L3T 5J3
 Telephone: (905)764-1544 Fax: (905)764-5986

Project: Lucky Plus + (2354774 Ontario) 22550 Loyalist Pkwy Thornhill, ON L3R 1L3		Drawn By: J.F.
Drawing Title: PROPOSED SITE PLAN 1,000 USWG HORIZONTAL PROPANE TANK c/w RETAIL CYLINDER SCALE		Checked By: J.R.L.C.
Drawing Number: P-101		Date: MAY 25, '15
File Number: 15100D		Drawing Scale: AS SHOWN
		ACAD INFORMATION
		Drawing File: 15100D-P-101
		Drawing Date: 15
		Plotting Scale: 1=1



KEY PLAN
SCALE: N.T.S.

SITE DATA:

ZONING INFORMATION: COMMERCIAL RURAL (CR)
 LOT AREA: 3,347.2sq.m.
 BUILDING AREA: 328.7sq.m.
 LOT COVERAGE OF BUILDING: 9.8%

PROPERTY LINE SETBACKS	
NORTH	33.0m
SOUTH	20.0m
EAST	40.7m
WEST	9.7m

GPS COORDINATES	
LATITUDE	44°43'1.03"N
LONGITUDE	77°35'39.64"W

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

PLANNING ADVISORY INFORMATION:

AS PER TSSA ADVISORY REQUIREMENTS, THE FOLLOWING PLANNING INFORMATION IS PROVIDED BELOW:
 CITY OF QUINTE WEST
 7 CRESWELL DRIVE, P.O. BOX 490
 TRENTON, ON.
 ATTN: MR. KEVIN HEATH, MANAGER CORPORATE SERVICES/CITY CLERK
 PH#: 613.392.2841 EXT: 4490
 FAX#: 613.392.0131
 EMAIL: kevinh@quintwest.ca

No.	Date	Description	By
0	MAY 20, '10	ISSUED FOR RSNP APPROVAL	JJK

Lucky Plus +

ALTENG Inc.
 Alternative Energy Consulting
 126 Helm Crescent, Thornhill, Ontario L3T 5J3
 Telephone: (905) 784-1844 Fax: (905) 784-5958

Project: Lucky Plus + (2304774 Ontario) 22530 Layzell Pkwy Trenton, ON K0K 1L0	Drawn By: D.F. Checked By: J.R.L.C. Date: MAY 20, '10
Drawing Title: BLAST RADIUS LAYOUT FOR 1,000 USWG HORIZONTAL PROPANE TANK c/w RETAIL CYLINDER SCALE	Drawing Scale: 1:750
Drawing Number: P-200	File Number: 151000
	ACAD INFORMATION Drawing File: 151000-P-200 Drawing Title: D Plotting Scale: 1=1