



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
Customer Service: 1.877.682.8772

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

This Level 1 RSMP applies to:
 • a facility with a total propane storage capacity of 5,000 USWG or less; or
 • a facility with a fixed propane storage capacity of exactly 5,000 USWG and no more than 500 USWG of portable propane storage capacity on site.

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

Licence Number N/A

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: Del Mastro Motors Ltd. Corporation No.: 1254365

Operator Name (if different from above): Same as Above

Telephone No.: 705.742.1150 Fax No.: 705.742.1199 E-mail: douglas@delmastro.ca

B Street No.: 48 Street Name / 911 Number / Address, if applicable: Lansdowne Street West

Town / City or Township / County: Peterborough Province: Ontario Postal Code: K9J 1Y1

Mailing address if different from above.

C Street No.: 48 Street Name / 911 Number / Address, if applicable: Lansdowne Street West

Town / City or Township / County: Peterborough Province: Ontario Postal Code: K9J 1Y1

Information on Container Refill Centre or Filling Plant

Location of facility.

D Street No.: 48 Street Name / 911 Number / Address, if applicable: Lansdowne Street West Nearest Major Intersection: Lansdowne Street & Monaghan Road

Town / City or Township / County: Peterborough Province: Ontario Postal Code: K9J 1Y1

Name of Licence Holder

Douglas Del Mastro

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

Douglas Del Mastro

ROT type

100-08

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

Peterborough

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: Douglas Del Mastro		18-07-2015
Name of Senior Management person as defined in the Regulation holding the Record of Training: Douglas Del Mastro		18-07-2015



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SECTION A: GENERAL INFORMATION (cont'd)

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

2015 New Site

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

	PSIG	Serial Number
Tank 1:	250	5.563601
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: 69.6 USWG Mobile: 0 USWG

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Name of person completing this form (please print)		Official Title
Douglas Del Mastro		Owner
Signature	Telephone No.	Date (dd-mmm-yyyy)
	705.927.7579	18-07-2015



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

Name of Propane Supplier(s) Superior Propane.			
Street No. 6722	Street Name / 911 Number / Address, if applicable Highway 7A		
Town / City or Township / Country Peterborough		Province Ontario	Postal Code K9J 6X5
Telephone No. 1-613.477.3290	Fax No. 1-705.745.3834	Contact Name Ken Gillis	
E-mail gillisk@superiorpropane.com			

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>			
Trimac Transport			
Street No. 1700-800	Street Name / 911 Number / Address, if applicable 5th Avenue SW		
Town / City or Township / Country Calgary		Province Alberta	Postal Code T2P 5A3
Telephone No. 403.298.5100	Fax No. 403.298.5146	Contact Name Dale Eaid	
E-mail N/A			

Off-site Cylinder and/or Mobile Storage 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
Telephone No.		Postal Code
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) Douglas Del Mastro	Official Title Owner
Signature 	Date (dd-mmm-yyyy) 18-07-2015
Telephone No. 705.927.7579	



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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN

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

Description of the maximum volume, types and storage location of other hazardous materials on site, if any.

Facility is an Recreational Vehicle sales operation so there are no petroleum fuels on site and there are wash bays for vehicle washing so some small amounts of chemicals and soap etc will be present on site but nothing considered hazardous.

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

The facility is equipped with fire extinguishers. There are three in the buiding near the tank and one located at the propane dispensing area and some in the other buildings. There is an Emergency Shutdown (ESD) at the tank and scale and a main shutdown on the wall of the building.

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 equipment is equipped with a fusible link that is connected to the tank valve and once the temperature reaches 212 F the link will melt and the valve will close automatically shutting off the propane suction to the pump.

If the Emergency Shut Down(ESD) button is pushed this will shutdown the motor and no propane will be pumping. The ESD is located on the wall of the building near the tank area.

Maintenance and testing schedule for fire protection controls and devices.

The fire extinguishers are checked annually for proper operation. The company is Peterborough Fire Extinguishers and inspected by the Peterborough Fire Services. The propane equipment and ESD is inspected annually by a TSSA registered contractor and inspections are performed by the propane supplier.

Copies of Inspection reports are kept on site.

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Signature 	Telephone No. 705.927.7579	Date (dd-mmm-yyyy) 18-07-2015



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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 Douglas Del Mastro	For Office Use - Party No.	Name Douglas Del Mastro	For Office Use - Party No.
Official Title Owner		Official Title Owner	
Telephone No. 705.927.7579	Fax No. 705.742.1199	Cell No. 705.742.1150	Fax No. 705.742.1199
E-mail douglas@delmastro.ca		E-mail douglas@delmastro.ca	
Role and responsibilities in emergency To insure all employees are trained in the Emergency Plan annually and to make sure all equipment is maintained and operational. Calls 911		Role and responsibilities in emergency Insures site Emergency Equipment is maintained and site is clear and individuals are trained under Code requirements	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Mike Del Mastro	For Office Use - Party No.	Name Mike Del Mastro	For Office Use - Party No.
Official Title Manager		Official Title Store Manager	
Telephone No. 705.927.7579	Fax No. 705.742.1199	Telephone No. 705.927.7579	Fax No. 705.742.1199
E-mail mike@delmastro.ca		E-mail douglas@delmastro.ca	
Role and responsibilities in emergency Assists with Emergency Procedures and makes sure customers and staff have evacuated the buildings		Role and responsibilities in emergency Same as Item 2	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name Chad Brown	For Office Use - Party No.	Name Jeff Voyer	For Office Use - Party No.
Official Title Deputy Fire Chief	E-mail cbrown@peterborough.ca	Official Title Account Manager	E-mail jeff_voyer@superiorpropane.com
Telephone No. 705.745.3284	Fax No. 705.745.2460	Telephone No. 1-877.738.7033	Fax No. 705.745.3834
Role and responsibilities in emergency Coordinates Fire Prevention services for City of Peterborough and reports to Fire Chief and coordinates Fire Prevention services resources.		Role and responsibilities in emergency Knows the Emergency Response Group and can arrange for equipment to come to the site in case of emergencies and can coordinate industry response	
Fire Services Address Peterborough Fire Services, 210 Sherbrooke St., Peterborough, ON. K9J 2N3		Propane Supplier Address Superior Propane, 6722 Highway 7A, Peterborough, ON., K9J 6X5	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Kathy Robertson	For Office Use - Party No.	Name John Kennedy	
Official Title Chief Fire Prevention Officer	E-mail krobertson@peterborough.ca	Official Title Clerk/Manager of Council Services	
Telephone No. 705.745.3284	Fax No. 705.745.2460	Telephone No. 705.742.7777 Ext: 1799	Fax No. 705.748.8861
Role and responsibilities in emergency Assist chief with coordination of Fire Services resources and Fire Prevention within the County.		E-mail jkennedy@peterborough.ca	
Fire Services Address Peterborough Fire Services, 210 Sherbrooke St., Peterborough, ON. K9J 2		Municipality Name and Address City of Peterborough, City Hall, 500 George Street. N., Peterborough, ON. K9H 3R9	

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Signature 	Telephone No. 705.927.7579
	Date (dd-mmm-yyyy) 18-07-2015



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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 four sides and has an Emergency shutdown button to kill power to the pump when pushed. Tank is in constant site of employees on the premises. Emergency Responders can access the site after hours as the site is not fenced and the tank is open from Lansdowne Street at all times.

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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) 28-07-2015	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Mark Wakeford
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) 28-07-2015	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Mark Wakeford
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) 13-07-2015	Print Name of Training Provider: Fuel Safety Network (FSN)
	Print Name of Instructor: Leo Alkenbrack (#T111)
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) 11-07-2016	Print Name of Training Provider: Del Mastro Motors Ltd.
	Print Name of Instructor: Douglas Del Mastro
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) 11-07-2016	Print Name of Training Provider: Del Mastro Motors Ltd.
	Print Name of Instructor: Douglas Del Mastro
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) 10-07-2018	Print Name of Training Provider: Fuel Safety Network (FSN)
	Print Name of Instructor: Leo Alkenbrack (#T1111)
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 valves. The patrons will be asked to leave the site and the attendant will proceed to contact the Owner who 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 Manager will call 911 to ask for Fire and Police response. The Manager always carries a cell phone and also has access to a phone inside the main showroom.

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

The site is open so access to the site after hours is available to the Emergency Responders from the City of Peterborough. If for some reason there is a need to gain access to the pumping equipment under the tank the Fire Responders can bolt cut the lock on the enclosure.

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

The attendant will always be on site as the site during operating hours. When Emergency Responders come to the site the Owner or Manager will meet with them and will identify himself/herself 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.

5 Minutes for the Owner to get to site if not already on site.

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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)	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.

6. Building and Site Security and Procedures

	Yes	No
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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
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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)	45 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

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

Fire services comments, if any:

Please see attached letter dated August 29, 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 Cathy Robertson Local Fire Services Name <i>Chad Brown, Chief Fire Prevention Officer</i> <i>Cathy Robertson</i>	Signature 	Date (dd-mmm-yyyy) <i>20-08-2015</i> <small>30-07-2015</small>
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City of Peterborough

PETERBOROUGH FIRE SERVICES

August 20, 2015

Del Mastro Motors Limited
48 Lansdowne Street West
Peterborough, Ontario
K9J 1Y1

RE: Review and Comment for Level 1 RSMP

Dear Mr. Del Mastro:

This Review and Comment for the Level 1 RSMP is being provided in accordance with Ontario Regulation 211/01 as amended, and for no other purpose.

Peterborough Fire Services (PFS) has reviewed your submission of the Level 1 RSMP dated July 18, 2015. Please find enclosed the following comments;

- Warnings and Actions - Recommend that any employee who recognizes an emergency situation initiates the emergency shut down and immediately calls 911. Notification to the owner may delay the emergency response.
- The site map requires the meeting location to change to the south-west corner of the property. This will provide protection to the staff and general public by placing the building between them and the propane tank and storage cage.
- The storage cage location in the site access route for the 12 twenty-pound cylinders is not protected from vehicles.
- We request the Fireball diameter be included on the site map (P-200). The Fireball radius is believed to be 35 meters.
- Part 5, page 3 references PFS as being left to provide the External Emergency Plan. Although the City does provide emergency services through the Establishing and Regulating Bylaw, we do not accept any responsibility or liability for any damage as a result of this propane site. The owner will be responsible to coordinate any remediation actions with the supplier of the product and may be responsible for costs associated with large scale events.
- The "In Case of Leak" section should direct employees to initiate the emergency shut down as quickly as possible and remove the requirement for the manager to call 911.

- Based on the type of business, it may not be possible to count visitors at the site. A notification system may be more effective to announce an impending emergency situation.
- The training plan did not specify that staff would be able to recognize situations that could lead to a BLEVE or other immediate evacuation criteria to support an enhanced emergency response. These observations would be required when meeting emergency personnel at the site so that immediate actions may be taken to remove persons from the fireball and over pressure area.
- PFS non-emergency telephone number is 705-745-3281

In Service,



Cathy Robertson
Chief Fire Prevention Officer
Peterborough Fire Services
210 Sherbrooke Street
Peterborough, ON K9J 2N3
Phone (705) 745-3284 Ext. 6221
Fax (705) 745-2460



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>11-06-2015</u>	Capacity of single largest propane storage vessel (USWG) <u>1000 USWG</u>
Tank setback coordinates. Indicate placement on the map.	
Front: <u>48.8 m</u>	Right side property line: <u>31.1 m</u>
Rear: <u>13 m</u>	Left side property line: <u>12.2 m</u>
GPS coordinates of single largest vessel: <u>Lat 43°1'54.90"N Long 80°19'54.77"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>Douglas Del Mastro</u>	Official Title <u>Owner</u>
Signature 	Telephone No. <u>705.927.7579</u>
	Date (dd-mmm-yyyy) <u>17-07-2015</u>



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SECTION C: SUBMISSIONS (cont'd)

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

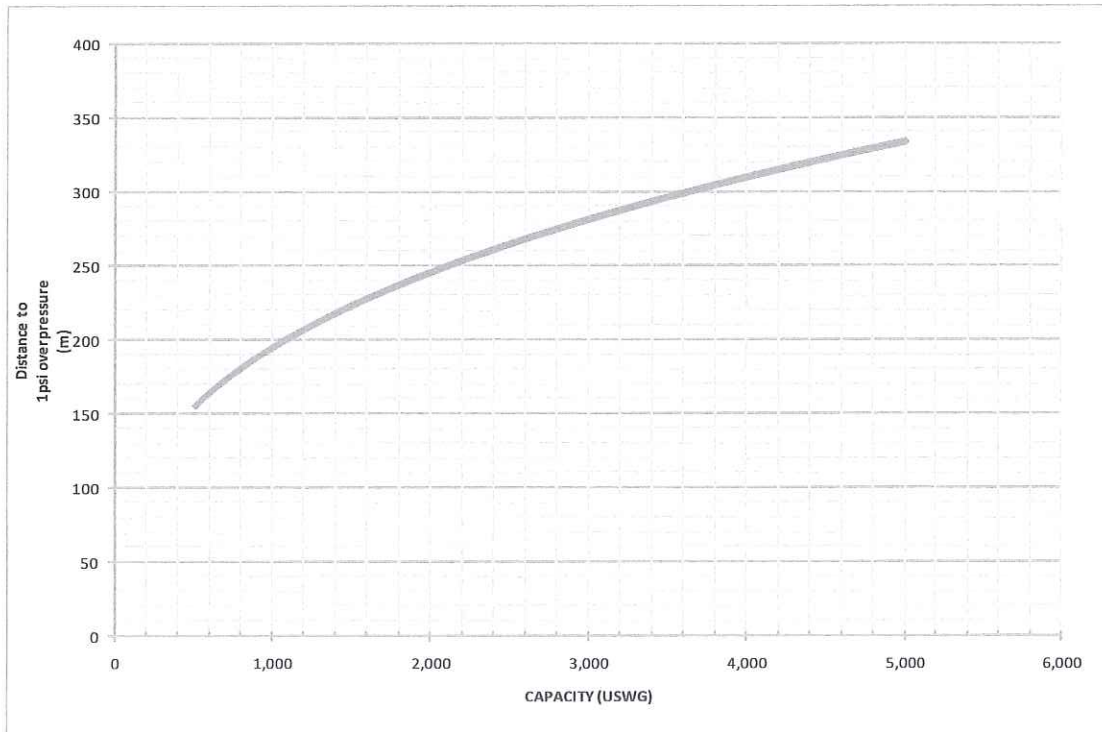
Table 1: Distance Table

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		74 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Action Car & Truck Accessories</u> Address: <u>16 Lansdowne Street West</u> City: <u>Peterborough</u> Province <u>Ontario</u> Postal Code <u>K9J 1Y1</u>			X		40 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>Douglas Del Mastro</u>	Official Title <u>Owner</u>
Signature 	Telephone No. <u>705.927.7579</u>
	Date (dd-mmm-yyyy) <u>18-07-2015</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	12	69.6 USWG
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity			69.6 USWG

Tanks Stored On-site Not Connected for Use

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

Total Cylinder Capacity	69.6 USWG
Total Tank Capacity	0 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	69.6 USWG



NOTES:
 CONSIDERANCE TO AN OPERATING LEVEL OF 1...
 DIMENSIONS FOR THE IMPLEMENTATION OF THE NEW AND...
 SHEET MANAGEMENT PLAN

$$D = 17' \times (0.1 \times \frac{1}{2} \times \frac{1000}{1000}) = 106m$$

PROPERTY LINE SETBACKS	
NORTH	48.1m
SOUTH	58.1m
EAST	28.6m
WEST	84.0m

GPS COORDINATES	
LATITUDE	LONGITUDE
44° 21' 03.2" N	78° 18' 12.57" W

AS PER 1954 GUIDELINES FOR THE IMPLEMENTATION OF THE...
 NEW AND SAFETY MANAGEMENT PLAN, THIS FACILITY ONLY...
 BEHIND A 100' (30.5M) SETBACK.

PLANNING ADVISORY INFORMATION:

AS PER 1954 ZONING REGULATIONS, THE...
 FOR THE...
 CITY OF WASHINGTON, CITY HALL...
 WASHINGTON, DC...
 RSN 508

ATTN: MR. JOHN KENNEDY, CLERK...
 FAX: 202.742.8861...
 Email: jkennedy@dc.gov

<p>Del Mastro Motors Ltd.</p> <p>151700</p>	<p>ALTENG Inc. Alternative Energy Consulting</p> <p>125 West Pleasant, Toronto, Ontario L7T 5A2 Phone: (905) 744-1814</p>
<p>Project: DELMASTRO MOTORS LTD. 40 Lonsdale St. W. Scarborough, ON M2A 1Y1</p>	<p>Drawn By: D.L. Checked By: J.B.L. Date: JUL 10 11</p>
<p>BLAST ROOMS LAYOUT 50' x 100' CHANGING ROOM 50' x 100' CHANGING ROOM</p>	<p>Scale: 1/2" = 1'-0" Date: JUL 10 11</p>
<p>Project No: P-200</p>	<p>Sheet No: 151700</p>

File # 15170D

August 23rd, 2015

Mr. Solomon Ko, P. Eng.
Technical Standards and Safety Authority
3300 Bloor Street West, Centre Tower
14th Floor,
Etobicoke, Ontario
M8X 2X4

**Re: Application for 1000 USWG Horizontal Propane Tank c/w Retail Cylinder Scale
Del Mastro Motors Ltd., 48 Lansdowne Street, W., Peterborough, ON. K9J 1Y1**

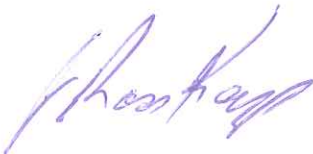
Dear Mr. Ko:

This letter serves as a "Letter of Declaration" the above captioned installation has been reviewed by this office and meets the conditions of the "Propane Storage and Handling Code" CAN/CGA-B149.2-10 and the "Ontario Propane Regulation", Ontario Reg. 211/01 along with its Adoption Document. In addition, compliance with Branch Standard # 9 was completed and the proposed tank location meets the criteria as indicated on our Drawing P-100, Rev1, (Attached).

The drawing was prepared and approved by a Professional Engineer and three copies, as required under the new legislation, are being submitted to the T.S.S.A. for your handling. This application is for a new 1000 USWG horizontal propane tank installation for retail sales of propane under the Energy Act to refill propane cylinders only.

The Owner has prepared an RSMP identifying all the necessary information within it to support this application which is included with this documentation. Our submission has the Zoning Compliance response and application forms. This should complete all the requirements required under the new Ont. Reg. 440/08. We trust this meets with your approval, however if there are any questions or concerns with this application and documentation, do not hesitate to contact us.

Yours truly,



J. Ross Keys, P. Eng.
AltEng Inc.