



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Tel: 416.734.3300
 Fax: 416.231.4078
 Customer Service: 1.877.682.8772
 propaneLICensing@tssa.org
 www.tssa.org

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.

For Office Use Only



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 Corporation No.

Operator Name (if different from above)

Telephone No. Fax No. E-mail

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

Town / City or Township / County Province Postal Code

Mailing address if different from above.

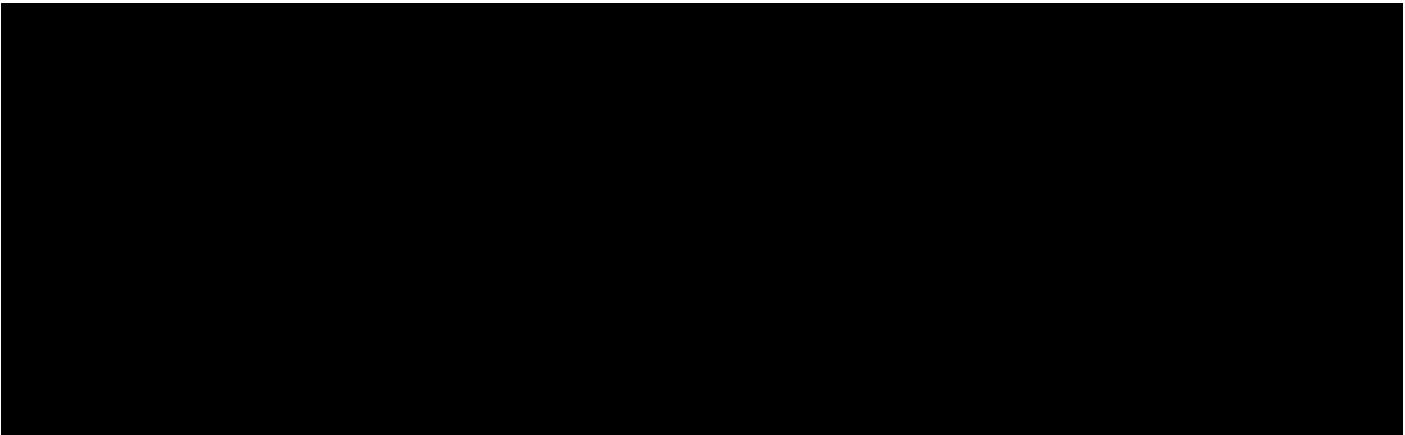
C Street No. Street Name / 911 Number / Address, if applicable

Town / City or Township / County Province Postal Code

Information on Container Refill Centre or Filling Plant

Location of facility.

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





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SECTION A: GENERAL INFORMATION (cont'd)

Indicate the year the facility was established. 2018 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
Tank 1:	<u>250 psig</u>	<u>1060-91</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: 0 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) <u>Tim Gogol</u>	Official Title <u>Service Manager</u>	
Signature 	Telephone No. <u>905.453-0453</u>	Date (dd-mmm-yyyy) <u>31-07-2018</u>



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

Name of Propane Supplier(s) Superior Propane		For Office Use - Party No.	
Street No. 7022	Street Name / 911 Number / Address, if applicable Wellington Road 124S		
Town / City or Township / Country Guelph		Province Ontario	Postal Code N1H 6L3
Telephone No. 1.877-873.7467	Fax No. 1.519.836.7766	Contact Name Nathan Elgie	
E-mail Nathan_Elgie@SuperiorPropane.com			

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>		For Office Use - Party No.	
Trimac Transportation			
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		Capacity stored off-site, in USWG	For Office Use - Party No.
Street No.	Street Name / 911 Number / Address, if applicable		
Town / City or Township / Country		Province	Postal Code
Telephone No.	Fax No.	Contact Name	

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

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN

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

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

There are no hazardous substances on site although there may be small containers of washing chemicals for the Wash Bay but this is minimal.

Nothing that would be considered hazardous.

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

There will be a fire extinguisher at the propane tank and there are fire extinguishers located inside the main Administration/Office Building and in the Service Bay area. There is a hydrant on the property that can be used by the Brampton Fire Services


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 tank is equipped with a fusible link that will melt in case of a fire. This will close the internal valve and stop any flow of propane to the Vehicle being filled. There will be a remote emergency shutdown button at the tank to stop the pump or at the building near the back. There are no other special features at this site.

Maintenance and testing schedule for fire protection controls and devices.

The tank and equipment are checked annually by the propane supplier and the Technical Standards & Safety Authority inspector will inspect the tank and the emergency shut-down system annually.

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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 <u>Tim Gogol</u>	For Office Use - Party No.	Name <u>Tim Gogol</u>	For Office Use - Party No.
Official Title <u>Service Manager</u>		Official Title <u>Service Manager</u>	
Telephone No. <u>905.453-0453</u>	Fax No. <u>905.453.0475</u>	Cell No. <u>416.951.6083</u>	Fax No. <u>905.453.0475</u>
E-mail <u>tgogol@canadream.com</u>		E-mail <u>tgogol@canadream.com</u>	
Role and responsibilities in emergency <u>To insure all employees are trained in the Emergency Plan annually and to make sure all equipment is maintained and operational. Calls 911</u>		Role and responsibilities in emergency <u>Same as Item 1</u>	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name <u>Jamel Benlaifa</u>	For Office Use - Party No.	Name <u>Tim Gogol</u>	For Office Use - Party No.
Official Title <u>Shop Foreman</u>		Official Title <u>Service Manager</u>	
Telephone No. <u>416.629-2086</u>	Fax No. <u>905.453.0475</u>	Telephone No. <u>905.453-0453</u>	Fax No. <u>905.453.0475</u>
E-mail <u>jbenlaifa@canadream.com</u>		E-mail <u>tgogol@canadream.com</u>	
Role and responsibilities in emergency <u>Assists with Emergency Procedures and makes sure service staff have evacuated the building.</u>		Role and responsibilities in emergency <u>Same as Item 1</u>	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name <u>Bill Boyes</u>	For Office Use - Party No.	Name <u>Nathan Elgie</u>	For Office Use - Party No.
Official Title <u>Fire Chief</u>	E-mail <u>bill.boyes@brampton.ca</u>	Official Title <u>Sales Representative</u>	E-mail <u>Nathan_Elgie@SuperiorPropane.com</u>
Telephone No. <u>905.874.2700</u>	Fax No. <u>905.874.2727</u>	Telephone No. <u>1-877-873-7467</u>	Fax No. <u>519.836.7766</u>
Role and responsibilities in emergency <u>Coordinates Fire Department Resources and Budget and reports to City Council on Fire Department functions and requirements</u>		Role and responsibilities in emergency <u>Knows the Emergency Response Group and can arrange for equipment to come to the site in case of emergencies and can coordinate industry response</u>	
Fire Services Address <u>Brampton Fire Services, 8 Rutherford Dr., Brampton, ON. L6W 3J1</u>		Propane Supplier Address <u>Superior Propane, 7022 Wellington Road 124S, Guelph, ON., N1H 6L3</u>	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name <u>Andrew von Holt</u>	For Office Use - Party No.	Name <u>Peter Fay</u>	For Office Use - Party No.
Official Title <u>Division Chief, Fire Prevention</u>	E-mail <u>andrew.vonholt@brampton.ca</u>	Official Title <u>City Clerk</u>	
Telephone No. <u>905.874.2741</u>	Fax No. <u>905.874.2735</u>	Telephone No. <u>905.874.2172</u>	Fax No. <u>905.874.2119</u>
Role and responsibilities in emergency <u>Assists Chief with operation of the Department and insures staffing requirements and resources are maintained for Fire Prevention Department</u>		E-mail <u>peter.fay@brampton.ca</u>	
Fire Services Address <u>Brampton Fire Services, 225 Central Park Dr., Brampton, ON. L6S 6H1</u>		Municipality Name and Address <u>City of Brampton, 2 Wellington Street West, Brampton, ON. L6Y 4R2</u>	

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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.

The facility is a simple tank installation used to refill propane cylinders on Recreational Vehicles (RV's). There are no additional safety features or measures that exceed the Propane Code. The facility does have security cameras located at various locations around the building.

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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) 15-08-2018	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Hugh Sutherland
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) 15-08-2018	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Hugh Sutherland
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) 06-08-2018	Print Name of Training Provider: ProMar Petroleum
	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) 01-08-2019	Print Name of Training Provider: Canadream
	Print Name of Instructor: Tim Gogol
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) 01-08-2019	Print Name of Training Provider: Canadream
	Print Name of Instructor: Tim Gogol
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) 30-07-2021	Print Name of Training Provider: ProMar Petroleum
	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).
 Any employee on site will notify the Service Manager if a problem has occurred after pressing the ESD switch and closing the ISC valve. The Service Manager will inform staff and proceed to check the situation and determine the severity of the situation. If a 9-1-1 call is required, the Service Manager will make that call before proceeding to the "Muster Point". The Service Manager or Shop Foreman will inform customers and staff to leave the premises and then shut down the propane tank power. The Owner or Shop Foreman will not delay to make a call to 9-1-1 & 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 Service Manager will block off the entrance/exits to the rear area of the yard where the propane tank is located.

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 Service Manager will call 9-1-1 to ask for Fire and Police response.

The Service Manager will not delay and will make a call to 9-1-1. He always carries a cell phone and also has access to a phone inside the Admin/Office area.

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 Brampton Fire Services. 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 equipment enclosure if need be.


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

The Service Manager or Shop Foreman will be on site during operating hours. When Emergency Responders come to the site the Service Manager or Shop Foreman 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.

40 minutes

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

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

6. Building and Site Security and Procedures

	Yes	No
1. Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is there adequate night lighting at the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Are there procedures that capture and record the daily inspection of hoses and inspection requirements for filling systems and mechanical devices used in the transfer of propane?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Are weighing systems validated for accuracy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Are storage areas clearly marked with the vessels' capacity status (i.e., filled, empty, purged and other hazardous materials)?	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>
9. Is the schedule of maintenance and testing activities retained on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

7. Water Supply

The propane licence holder should work with the local fire department to determine water supply capabilities that are available based on the propane facility's location.

	Yes	No
1. Is a pressurized water system available at the propane facility site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Can the municipal fire department pump 375 GPM (1420 LPM) of water at this location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. What is the unobstructed distance to the closest water supply that could be used for firefighting activities? (distance in metres only)		<u>71 m</u>
4. What is the unobstructed distance to the closest approved water supply with year round access if there are no hydrants? (distance in metres only)		<u>N/A</u>

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

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

8. Licence holder and local Fire Services Review

To be completed by the Local Fire Services

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

Yes

No

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

Fire services comments, if any:

To be completed by the Licence Holder

In response to the above comments, the following action(s) is required:

The licence holder will respond to the Local Fire Services comments by: _____

(dd-mmm-yyyy)

LOCAL FIRE SERVICES

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

Print name	Signature	Date (dd-mmm-yyyy)
Local Fire Services Name Andrew von Holt, Division Chief Fire Prevention		15-08-2018

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SECTION C: SUBMISSIONS

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

Facility Site Plan.

The licence holder will submit a copy of the original facility site plan updated with the following information:

1. The storage location of fixed, portable, and mobile vessels.
2. The maximum volume, types and storage location of hazardous materials.
3. Location of permanent structures on site.
4. Access and egress points and location of barriers.
5. Location of fire and emergency equipment (e.g., sprinkler systems, extinguishers, suppression systems) on site and location of fire hydrant or water supply where available.
6. Location of emergency shut off/shut down switches/valves.

Map of Surrounding Area.

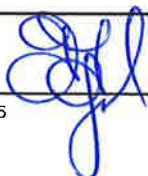
The licence holder will submit a scaled aerial map of the surrounding area showing the following information:

7. The capacity and placement of the single largest propane storage vessel, including its setback from the front, rear and side property lines.
8. GPS co-ordinates of the single largest vessel.
9. Visual indication of the single largest fixed vessel and a circle made using the distance in Table 1 as the radius from the single largest fixed vessel.
10. Clear indication of the municipality or municipalities present within the circle.
11. Visual indication of property line information.
12. The location and name of roads within or abutting the site.
13. Key note to the drawing indicating the facility's municipal address, municipal lot number(s) and concession lines as applicable, and the date the map was prepared.
14. Address and contact information for each municipality (municipal clerk or secretary-treasurers of planning board). (Refer to page 5.)
15. Complete "Required Mapping Information from Updated Site Plan" in table below .

Required Mapping Information from Updated Site Plan

Date map prepared (dd-mmm-yyyy) <u>03-08-2018</u>	Capacity of single largest propane storage vessel (USWG) <u>1000 USWG</u>
Tank setback coordinates. Indicate placement on the map.	
Front: <u>133.7 m</u>	Right side property line: <u>46.6 m</u>
Rear: <u>48.3 m</u>	Left side property line: <u>25.7 m</u>
GPS coordinates of single largest vessel: <u>Lat 43°42'4.20"N Long 79°43'4.00"W</u>	

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SECTION C: SUBMISSIONS (cont'd)

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

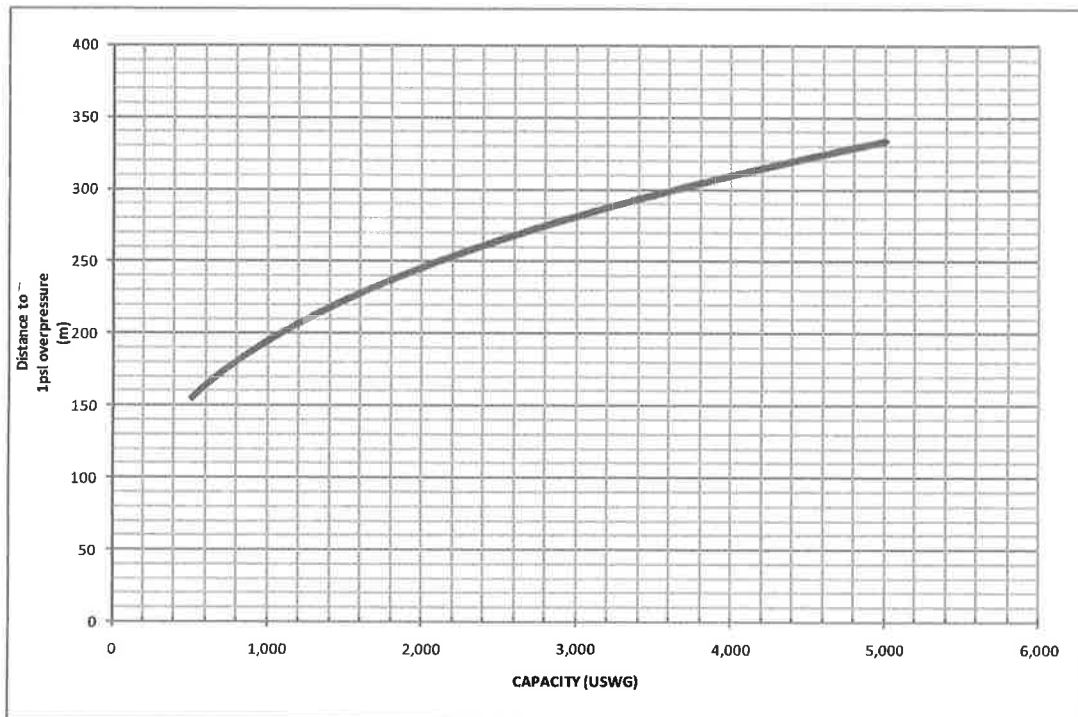
Table 1: Distance Table

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)





Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Tel: 416.734.3300
 Fax: 416.231.4078
 Customer Service: 1.877.682.8772
 propanelicensing@tssa.org
 www.tssa.org

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

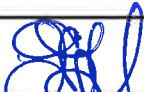
As an accompaniment to the Map of Surrounding Area, provide the following information about buildings and features present within the circle in Table 2.

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: <u>Ariston Tubular Products</u> Address: <u>270 Orenda Road</u> City: <u>Brampton</u> Province <u>Ontario</u> Postal Code <u>L6T 4X6</u>			X		<u>59</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: _____ 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) <u>Tim Gogol</u>	Official Title <u>Service Manager</u>
Signature 	Telephone No. <u>905.453-0453</u> Date (dd-mmm-yyyy) <u>31-07-2018</u>



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 345 Carlingview Drive
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Level 1 Risk and Safety Management Plan (RSMP)
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WORKSHEET

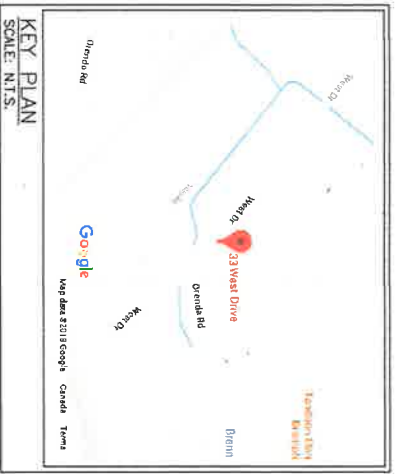
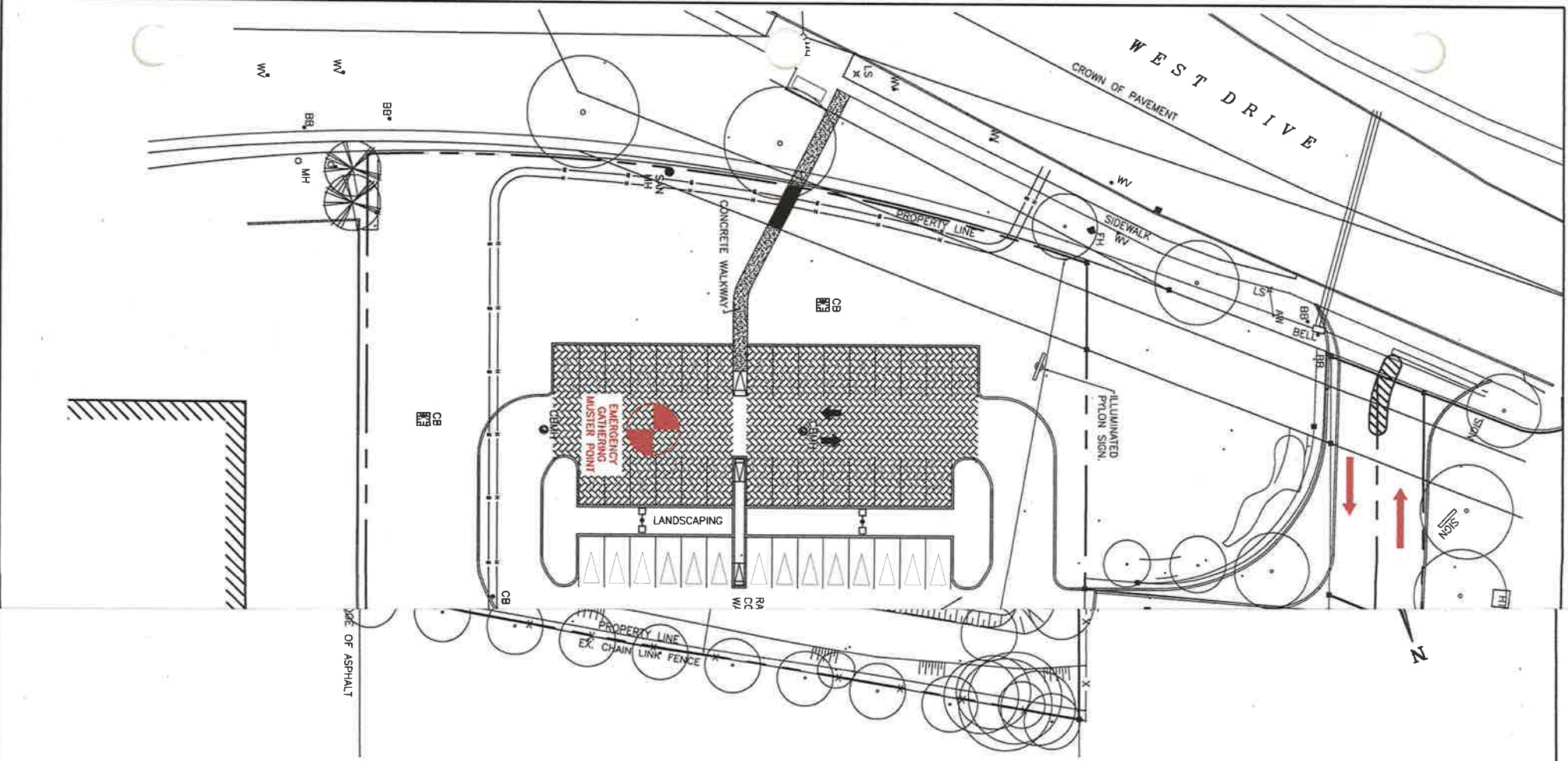
Portable Storage Additional Information Worksheet

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		
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity 0 USWG			

Tanks Stored On-site Not Connected for Use

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

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



SITE DATA:

ZONING INFORMATION: INDUSTRIAL ONE A - M1A
 LOT AREA: 8,634.8sq.m.
 BUILDING AREA: 605.8sq.m.
 LOT COVERAGE OF BUILDING: 7.0%

PROPERTY LINE SETBACKS FOR PROPANE TANK

NORTH	48.3m
SOUTH	133.7m
EAST	48.6m
WEST	25.7m

GPS COORDINATES

LATITUDE	LONGITUDE
43°42'4.20" N	79°43'4.00" W

LEGEND:

- FE ⊙ FIRE EXTINGUISHER
- FH ⊕ FIRE HYDRANT
- ESD ■ EMERGENCY SHUT-DOWN
- PS □ PULL STATION
- FA 🔊 FIRE ALARM
- FIRE ROUTE
- ⊕ MASTER POINT (OPTION BASED ON WIND DIRECTION)

No.	Date	Description	By
0	2016.05.22	ISSUED FOR REG. APPROVAL	JRK
REVISIONS			



ALTENG Inc.
 Alternative Energy Consulting
 126 Holm Crescent, Thornhill, Ontario L3T 5J3
 Telephone: (905)764-1844 Fax: (905)764-5986

Project:		Drawn By: D.F.
CANNON/M		Checked By: J.R.K.
33 WEST DRIVE		Date: 2018.07.30
Brimpton, ON L7T 4A1		Drawing Scale: 1:300
Drawing Title:		ACAD INFORMATION
EMERGENCY FIRE PLAN FOR		Drawing File: 181800-P-101
1,000 USING HORIZONTAL PROPANE TANK		Drawing Size: D
4/4 PRIVATE VEHICLE DISPENSER		Plotting Scale: 1=1
Drawing Number:	P-101	
Drawing Number:	181800	



KEY PLAN
SCALE: N.T.S.

NOTES:

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

$$D = 17 \times \left(0.1 \times W_p \times \frac{HC_r}{HC_{TNT}} \right)^{1/3} = 195m$$

PROPERTY LINE SETBACKS FOR PROPANE TANK	
NORTH	48.3m
SOUTH	133.7m
EAST	46.6m
WEST	25.7m

GPS COORDINATES	
LATITUDE	LONGITUDE
43°42'4.20"N	79°43'4.00"W

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

PLANNING ADVISORY INFORMATION:

AS PER TSSA GUIDELINES FOR RSMF's, THE FOLLOWING PLANNING INFORMATION IS PROVIDED BELOW.

CITY OF BRAMPTON
PLANNING & INFRASTRUCTURE SERVICES
2 WELLINGTON STREET WEST,
BRAMPTON, ON.
L6Y 4R2

ATTN: MR. PETER FAY, CITY CLERK
PH#: 905.874.2172
FAX#: 905.874.2119
Email: peter.fay@brampton.ca

No.	Date	Description	By
0	2018.07.30	ISSUED FOR RSMF APPROVAL	JRK

REVISIONS



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

Project: CANADREAM 33 WEST DRIVE Brampton, ON L6T 4A1		Drawn By: D.F.
Drawing Title: BLAST RADIUS LAYOUT FOR 1,000 USWG HORIZONTAL PROPANE TANK o/w PRIVATE VEHICLE DISPENSER		Checked By: J.R.K.
Drawing Number: P-200	File Number: 18180D	Date: 2018.07.30
		Drawing Scale: 1:1000
		ACAD INFORMATION
		Drawing File: 18180D-P-200
		Drawing Size: D
		Plotting Scale: 1=1