



Technical Standards and Safety Authority
www.tssa.org

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

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

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

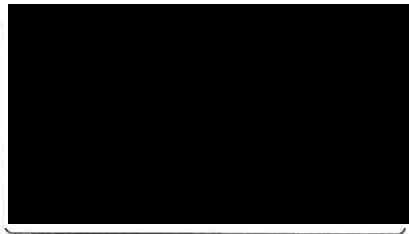
Failure to fully complete this form may result in rejection. Making a false statement may result in a fine or prosecution under the *Technical Standards and Safety Act*

Licence Number 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 Express Welding Supplies Inc. Ontario Corporation No., if applicable 1657742

Operator Name (if different from above) Same

Telephone No. 1.905.458.9100 Fax No. 1.905.458.3966 E-mail expresswelding@hotmail.com

B Street No. 31 Street Name / 911 Number / Address, if applicable Strathearn Avenue

Town / City or Township / County Brampton Province Ontario Postal Code L6T 4P1

Mailing address if different from above.

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

Town / City or Township / County Same as above Province Same as above Postal Code Same as above

Information on Container Refill Centre or Filling Plant

Location of facility.

D Street No. 31 Street Name / 911 Number / Address, if applicable Strathearn Avenue Nearest Major Intersection Steeles Avenue East & Bramalea Road

Town / City or Township / County Brampton Province Ontario Postal Code L6T 4P1

Name of Licence Holder Shammeil K. Alijohn

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT). Shammeil K. Alijohn ROT type 100-11

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

Hours of operation.

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

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

Print name	Signature	Date (dd-mm-yyyy)
Name of Licence Holder <u>Shammeil K. (Kennedy) Alijohn</u>		<u>19-03-2014</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>Shammeil K. (Kennedy) Alijohn</u>		<u>19-03-2014</u>



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SECTION A: GENERAL INFORMATION (cont'd)

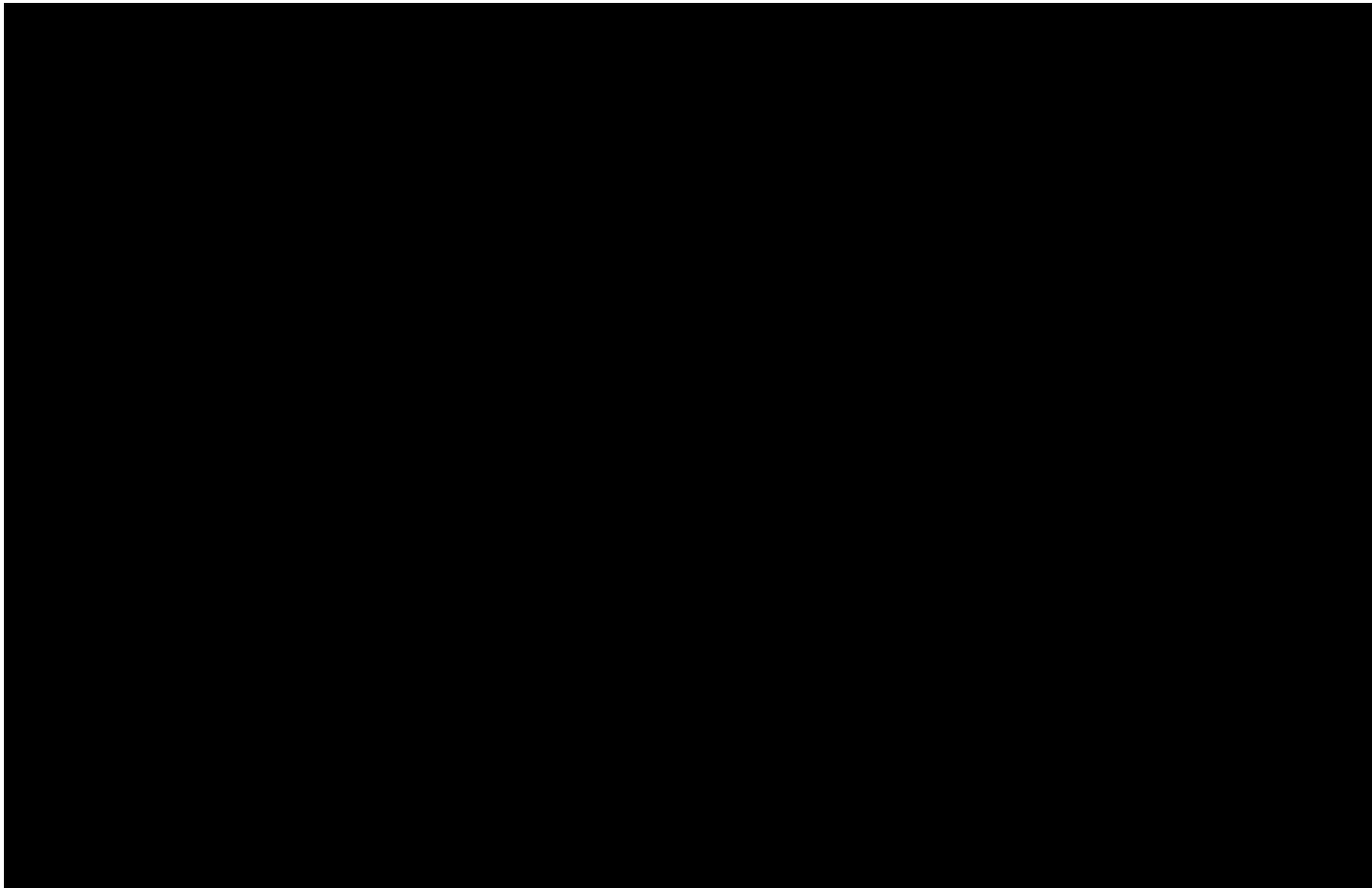
Indicate the year the facility was established. 2014 Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. None - New Site

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>440-99</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: 2000 USWG Portable: 3000 USWG Mobile: 0 USWG



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Name of person completing this form (please print) <u>Kennedy Alijohn</u>	Official Title <u>President</u>
Signature 	Telephone No. <u>905-458-9100</u>
	Date (dd-mm-yyyy) <u>19-03-2014</u>



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SECTION A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s) Primemax Energy Inc.		For Office Use - Party No.	
Street No. 2558	Street Name / 911 Number / Address, if applicable Cedar Creek Road RR#1		
Town / City or Township / Country Ayr		Province Ontario	Postal Code NOB 1E0
Telephone No. 1-519-740-8209	Fax No. 1-519-740-1015	Contact Name Mike Taylor	
E-mail primemax@primemaxenergy.com			

Name of Propane Transporter. If same as above, please check box. <input checked="" type="checkbox"/>			
Street No.	Street Name / 911 Number / Address, if applicable		
Town / City or Township / Country		Province	Postal Code
Telephone No.	Fax No.	Contact Name	
E-mail			

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
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.

The site has portable propane cylinders on site that are mostly 33 lb and 100 lb containers. There are no other propane cylinders on site but the site does have acetylene cylinders on site that are stored within the compound. There are about 20 cylinders stored here inside the compound.
No other hazardous materials are on site inside or outside the building.

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

The facility is equipped with fire extinguishers. There are two located at the propane tank and a number located inside the Express Welding Supplies Inc. building. There is a remote Emergency Shut down (ESD) located inside the cylinder fill shed and on the adjacent building wall.


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 inside the Fill shed and on the building wall to interrupt power to the propane pump and stops the motor and closes the fuel supply solenoid valve at the scale to prevent product flow.

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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Signature 	Telephone No. 905.458.9100	Date (dd-mm-yyyy) 19-03-2014



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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 Kennedy Alijohn	For Office Use - Party No.	Name Kennedy Alijohn	For Office Use - Party No.
Official Title President		Official Title President	
Telephone No. 905.458.9100	Fax No. 905.458.3966	Cell No. 416.788.3570	Fax No. 905.458.3966
E-mail expresswelding@hotmail.com		E-mail expresswelding@hotmail.com	
Role and responsibilities in emergency Ensures that 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 Shawn Hotradat	For Office Use - Party No.	Name Shawn Hotradat	For Office Use - Party No.
Official Title Plant Manager		Official Title Vice President Operations	
Telephone No. 905.458.9100	Fax No. 905.458.3966	Telephone No. 905.458.9100	Fax No. 905.458.3966
E-mail expresswelding@hotmail.com		E-mail expresswelding@hotmail.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 as required..		Role and responsibilities in emergency Same as item 2	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name Brian Maltby	For Office Use - Party No.	Name Ron Driedger	For Office Use - Party No.
Official Title Division Chief	E-mail brian.maltby@brampton.ca	Official Title Auto Propane Sales	E-mail rdriedger@primemaxenergy.com
Telephone No. 1-905-874-2741	Fax No. 1-905-874.2735	Telephone No. 1-519-740-8209	Fax No. 1-519-740-1015
Role and responsibilities in emergency Coordinates RSMP inspections and reviews and has knowledge of Master Fire Plan for City of Brampton		Role and responsibilities in emergency Coordinates truck deliveries and would initiate the CPA Emergency Response Plan as required.	
Fire Services Address Brampton Fire Services, 225 Central Park Dr., Brampton, ON. L6S 4H1		Propane Supplier Address Primemax Energy Inc. 2558 Cedar Creek Rd., RR#1, Ayr, ON, N0B 1E0	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Matt Pegg	For Office Use - Party No.	Name Peter Fay	For Office Use - Party No.
Official Title Deputy Chief	E-mail matt.pegg@brampton.ca	Official Title City Clerk	
Telephone No. 1-905-874-2723	Fax No. 1-905-874.2727	Telephone No. 1.905.874.2172	Fax No. 1.905.874.2119
Role and responsibilities in emergency Potential Incident Commander		E-mail peter.fay@brampton.ca	
Fire Services Address Brampton Fire Services, 225 Central Park Dr., Brampton, ON. L6S 4H1		Municipality Name and Address City of Brampton, 2 Wellington Street W., Brampton, Ontario L6Y 4R2	

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Name of person completing this form (please print) Kennedy Alijohn	Official Title President
Signature 	Telephone No. 905.458.9100
	Date (dd-mm-yyyy) 19-03-2014



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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 visible to employees on the premises. There is a fire hydrant on Advance Blvd. and Strathearn Avenue close to the site for Fire Department access.

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

3. Record of Emergency Training Provided - For most recent 12-month period.

Training on Emergency Response Plan and Procedures provided to facility key contacts.

Training Date (dd-mm-yyyy) 25-04-2014	Print Name of Training Provider: Primemaxenergy Inc.
	Print Name of Instructor: Ron Driedger
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

Training on the facility's Emergency Management Procedures provided to staff.

Training Date (dd-mm-yyyy) 25-04-2014	Print Name of Training Provider: Primemaxenergy Inc.
	Print Name of Instructor: Ron Driedger
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

On-site specific training provided to certificate holders / persons with Records of Training.

Training Date (dd-mm-yyyy) 24-03-2014	Print Name of Training Provider: Primemaxenergy Inc.
	Print Name of Instructor: Ron Driedger Trainer ID# T223
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

4. Emergency Training Plan for Coming Year

Training on Emergency Response Plan and Procedures provided to facility key contacts.

Target Date (dd-mm-yyyy) 01-04-2015	Print Name of Training Provider: Express Welding Supplies Inc.
	Print Name of Instructor: Kennedy Alijohn
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:


Training on the facility's Emergency Management Procedures provided to staff.

Target Date (dd-mm-yyyy) 01-04-2015	Print Name of Training Provider: Express WElding Supplies Inc.
	Print Name of Instructor: Kennedy Alijohn
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

On-site specific training provided to certificate holders / persons with Records of Training.

Target Date (dd-mm-yyyy) 20-03-2017	Print Name of Training Provider: Primemax Energy Inc.
	Print Name of Instructor: Ron Driedger
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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	Date (dd-mm-yyyy) 19-03-2014



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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 Plant Manager that a problem has occurred after pressing the ESD switch and closing the ISC valve and solenoids

The Plant Manager will inform the President and either he or Plant Manager will call 9-1-1 and ask for Fire Services and Police response. After the call is made the President will determine the extent of incident and implement the Fire Plan and make sure all staff and visitors have left the building.

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 and the 911 call has been made the Plant Manager will block off the entrance/exits to the site. Once the area is free of visitors & staff everyone 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 President or Plant Manager will call 911 to ask for Fire & Police response.

Both employees carry their cell phones and also have access to a phone inside the main Administration Office.

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

The site itself is not fenced so access to the site is always available to Emergency Responders from either Strathearn Avenue or Advance Blvd. The tank is behind a fenced enclosure but Express Welding Supplies have decided the Emergency Responders can access the yard using a "Chubb Box" as required.


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

The Plant Manager will always be on site during normal operating hours. When Emergency Responders come to the site the Plant Manager or the President 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.

10 Minutes for the President to get to the site if not already on site.

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Signature 	Telephone No. 905.458.9100	Date (dd-mm-yyyy) 19-03-2014



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

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

6. Building and Site Security and Procedures

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

7. Water Supply

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

	Yes	No
1. Is a pressurized water system available at the propane facility site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Can the municipal fire department pump 375 GPM (1420 LPM) of water at this location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. What is the unobstructed distance to the closest water supply that could be used for firefighting activities? (distance in metres only)	<u>79 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
<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Fire services comments, if any:

PLEASE SEE THE ATTACHED "FIRE SERVICE INFORMATION FORM" DATED 14.04.04.

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-mm-yyyy)

LOCAL FIRE SERVICES

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

Print name	Signature	Date (dd-mm-yyyy)
Local Fire Services Name Brian Maltby - Division Chief		03-04-2014

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Signature 	Telephone No. 905.458.9100	



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SECTION C: SUBMISSIONS

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

Facility Site Plan.

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

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

Map of Surrounding Area.

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

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

Required Mapping Information from Updated Site Plan

Date Map Prepared (dd-mm-yyyy) 10-03-2014	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 58.3 m	Right side property line: 5.2 m
Rear: 3.1 m	Left side property line: 30.0 m
GPS coordinates of single largest vessel: Lat43°41'47.58"N Long79°41'43.84"W	

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Name of person completing this form (please print) J.Ross Keys	Official Title Consultant	
Signature 	Telephone No. 416-526-1405	Date (dd-mm-yyyy) 20-03-2014



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SECTION C: SUBMISSIONS (cont'd)

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

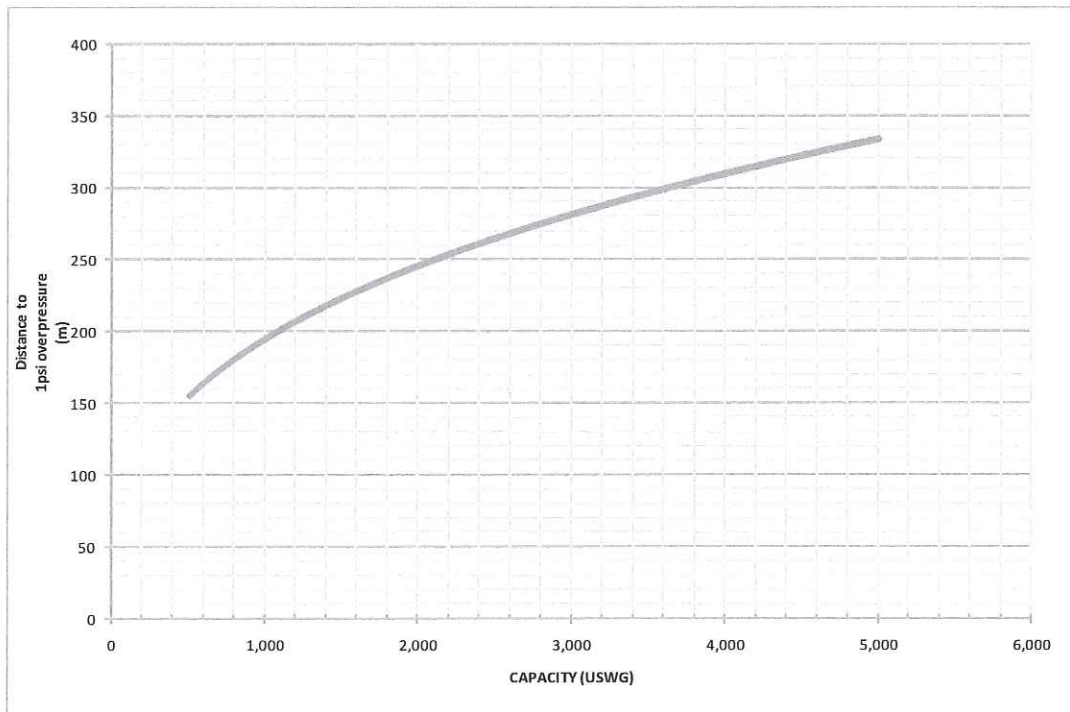
Table 1: Distance Table

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
www.tssa.org

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

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

SECTION C: SUBMISSIONS (cont'd)

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

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

Table 2: Buildings and Features

Buildings and Features Present within the Circle on the Map of the Surrounding Area AND Name and Address of Closest Building or Feature	* Number of Buildings and Features (mark with an "X")				Distance from Tank to Closest Building or Feature
	0	1	2-10	11+	
Industrial buildings or parks or golf courses Name: <u>Accuworx Inc.</u> Address: <u>36 Advance Blvd</u> City: <u>Brampton</u> Province <u>Ontario</u> Postal Code <u>L6T 4H8</u>				X	<u>10</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Tadka Nation</u> Address: <u>1625 Steeles Avenue East</u> City: <u>Brampton</u> Province <u>Ontario</u> Postal Code <u>L6T 4T7</u>		X			<u>190</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: _____ 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-mm-yyyy) <u>20-03-2014</u>



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WORKSHEET

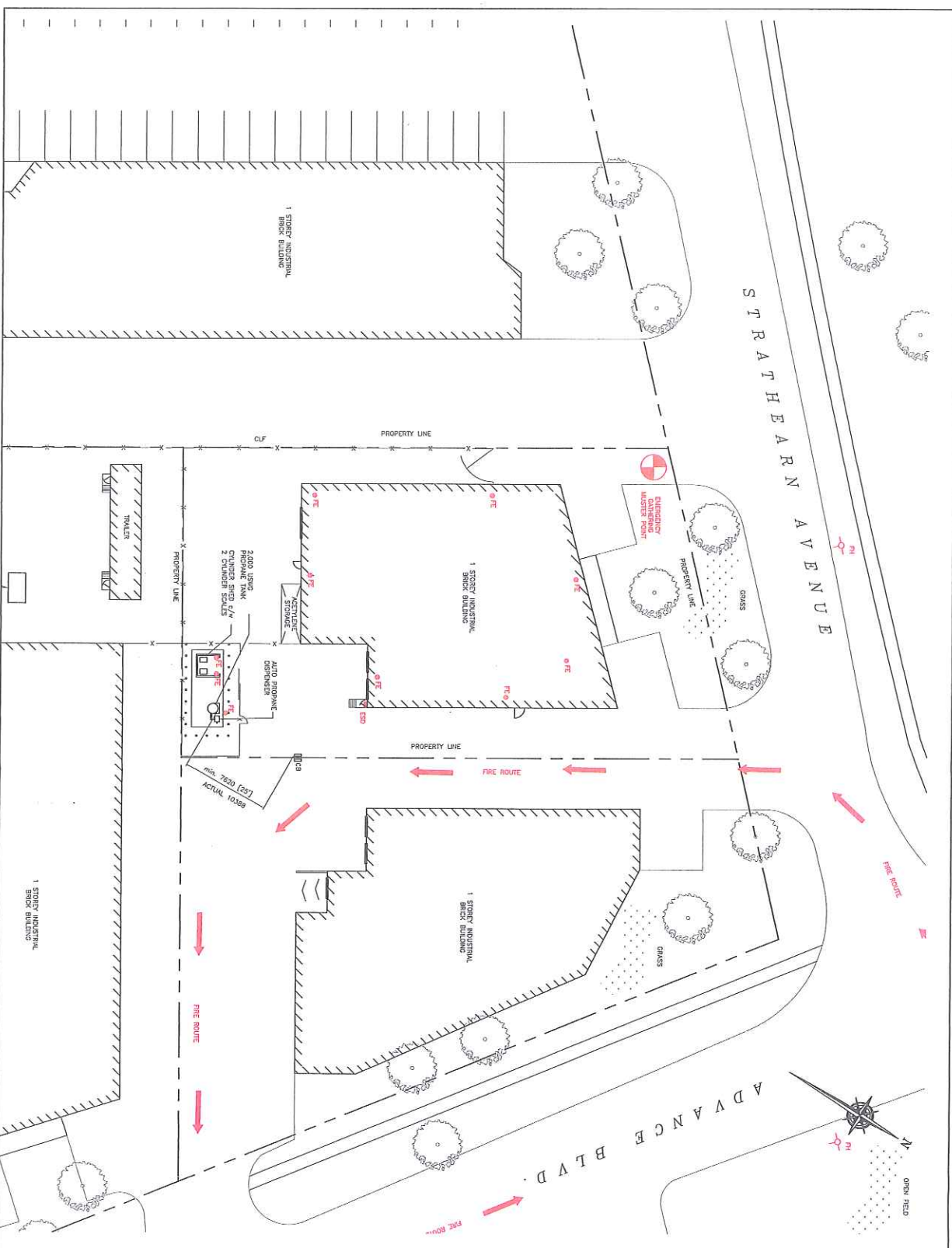
Portable Storage Additional Information Worksheet

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9		
# 100	29.5	20	590 USWG
# 40	11.75		
# 33.3	9.62	250	2410 USWG
# 30	8.8		
# 20	5.8		
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity 3000 USWG			

Tanks Stored On-site Not Connected for Use

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

Total Cylinder Capacity	3000 USWG
Total Tank Capacity	0 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	3000 USWG



SITE DATA:

ZONING INFO: INDUSTRIAL M2
 LOT AREA: 22201.86 sq. ft.
 BUILDING AREA: 8227.79 sq. ft.
 LOT COVERAGE OF BUILDING: 37.2%

PROPERTY LINE SERVICES

NORTH	51.2m
SOUTH	1.1m
EAST	52.2m
WEST	30.0m

GPS COORDINATES

LATITUDE	42°17'28.71"N
LONGITUDE	72°41'42.87"W

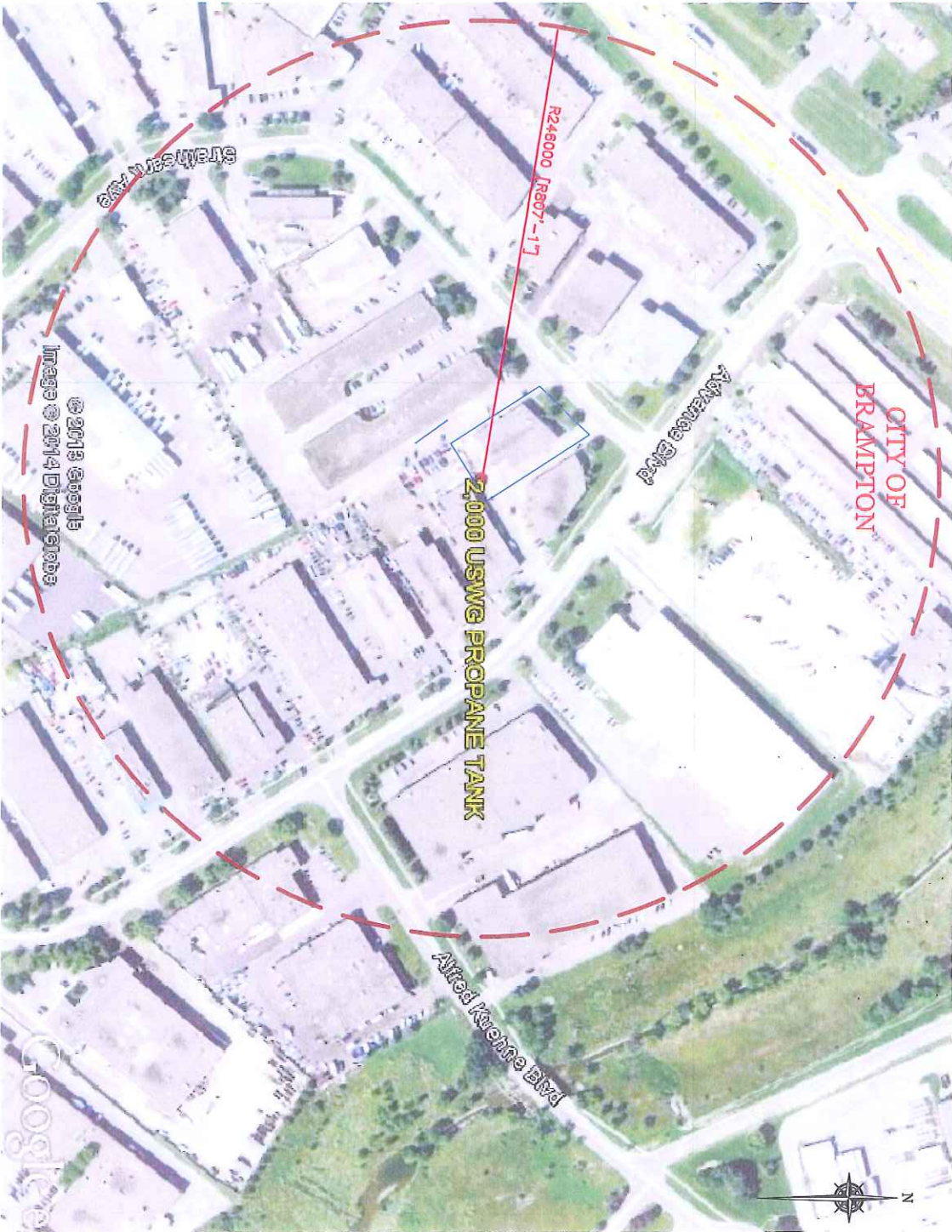
- LEGEND:**
- FE ◉ FINE EXTINGUISHER
 - FI-O FINE PROBE
 - ESD ◻ EVIDENCE SHUT-DOWN
 - MASTER POINT (OPEN BIRD ON ROAD DIRECTION)

1	100' 10" 14"	APPROXIMATE SERVICE AREA	200'
2	100' 10" 14"	APPROXIMATE SERVICE AREA	200'
3	100' 10" 14"	APPROXIMATE SERVICE AREA	200'

EXPRESS WELDING SUPPLIES INC.

ALTENG Inc.
 Alternative Energy Consulting
 128 Nelson Crescent, Toronto, Ontario M1T 4Z2
 Telephone: (416) 291-8888

Project: Express Welding Supplies Inc.
 31 Strathearn Avenue
 Brampton, ON L7L 4P1
 Drawing Title: SITE PLAN FOR 2,000 USG TANK
 Drawing Number: P-101
 Drawing Scale: 1:4100



NOTES:
 CONSEQUENCE REFERENCE TO AN OVERPRESSURE LEVEL OF 1 BAR IS FOR INFORMATION ONLY. THIS DOES NOT MEAN THAT THE SAFETY MANAGEMENT PLAN HAS BEEN DEVELOPED FOR THE RISK AND SAFETY MANAGEMENT PLAN.

$$D = 17 \times \left(\frac{V_1 + V_2}{V_1} \right)^{1/2} = 246m$$

PROPERTY LINE SERVICES	
NORTH	50.0m
SOUTH	1.1m
EAST	5.2m
WEST	20.0m

GPS COORDINATES	LATITUDE	LONGITUDE
	43°17'25.71" N	79°41'43.87" W

AS PER TEST CONDITIONS FOR THE UNDERSIZING OF THE RISER AND SAFETY MANAGEMENT PLAN, THIS FACILITY ONLY INCLUDES A LEVEL 1 RISK.

PLANNING ADVISORY INFORMATION:

AS PER TEST CONDITIONS AND REQUIREMENTS, THE FACILITY IS NOT TO BE OPERATED AT A PRESSURE ABOVE 1 BAR.
 CITY OF BRAMPTON
 BRAMPTON, ON L6Y 4R7
 ATTN: MR. KEVIN FOX, CIV. CLERK
 PH: 905.974.2172
 FAX: 905.974.2172
 EMAIL: kevin.fox@brampton.ca

EXPRESS WELDING SUPPLIES INC.



Alternative Energy Consulting
 Telephone: (905) 764-1646
 17160 Midland Avenue, Unit 10
 Brampton, ON L6Y 4R7
 Fax: (905) 764-5886

Project:	Express Welding Supplies Inc.	Drawn By:	ETS
Client:	31 Stanburn Avenue Brampton, ON L7L 4P1	Checked By:	JKC
Drawn Title:	PROPOSAL LAYOUT	Date:	MAR. 10 14
Project Location:	FDR 2000USWG PROPANE TANK	Drawing Scale:	1:1000
Drawing Number:	P-200	Revision:	0
File Number:	140100	Drawing Size:	A1
		Printing Scale:	1:1