



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.

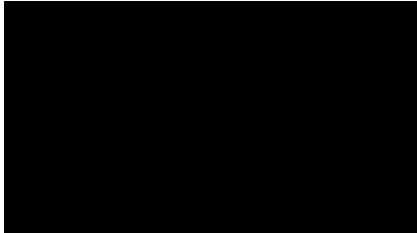
Failure to fully complete this form may result in rejection.
 Making a false statement may result in a fine or prosecution under the *Technical Standards and Safety Act*

Licence Number 76644785

Check applicable type of propane operations.

Cylinder Motor Fill Filling Plant Card/Keylock

Submit along with this completed application a Facility Site Plan and a Map of the Surrounding Area.



SECTION A: GENERAL INFORMATION

The Undersigned applies to TSSA for a review for an RSMP under Ontario's *Technical Standards and Safety Act*, Propane Storage and Handling Regulation.

Company Name Meritor Suspension System Co. Ontario Corporation No., if applicable _____

A Operator Name (if different from above) MSSC Canada Ltd

Telephone No. 519-354-1100 Fax No. 519-354-5325 E-mail N/A

B Street No. 201 Street Name / 911 Number / Address, if applicable Park Ave. East

Town / City or Township / County Chatham Province On Postal Code N7M 3V7

Mailing address if different from above.

C Street No. same 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. 201 Street Name / 911 Number / Address, if applicable Park Ave. East Nearest Major Intersection Park Ave. E. & ST. George Street

Town / City or Township / County Chatham Province On Postal Code N7M 3V7

Name of Licence Holder Meritor Suspension System Co.

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT). Tom Drouillard ROT type PTI 400-4 (PP0 -3)

Municipality (or municipalities if the facility or its hazard distance touches multiple borders) Community of Chatham-Kent

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>Meritor Suspension System Co.</u>		
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>Tom Drouillard</u>		



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
 propane@tssa.org
 www.tssa.org

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

SECTION A: GENERAL INFORMATION (cont'd)

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

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

	PSIG	Serial Number
Tank 1:	250	921-04
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: 408 Mobile: _____

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)	Official Title	
<i>Tom Procuillard</i>	<i>Maintenance Manager</i>	
Signature	Telephone No.	Date (dd-mm-yyyy)
<i>Tom Procuillard</i>	<i>(519) 354-1100</i>	<i>12-Oct-2017</i>



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
 propane@tssa.org
 www.tssa.org

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

SECTION A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s)			For Office Use - Party No.		
Dowler-Kam					
Street No.	Street Name / 911 Number / Address, if applicable				
24151	St. Clair Rd.				
Town / City or Township / Country			Province	Postal Code	
Chatham			ON	N7M5J2	
Telephone No.	Fax No.	Contact Name			
519-351-8000	519-352-0641	Jason Cooper			
E-mail					
jcooper@dowlerkam.com					

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

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

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

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)		Official Title	
Tom Draywillard		Maintenance Manager	
Signature	Telephone No.	Date (dd-mm-YYYY)	
<i>Tom Draywillard</i>	(519) 354-1100	12-Oct-2017	



Technical Standards and Safety Authority
www.tssa.org

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

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

SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN

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

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

See Hazardous Material (Chatham Plant) Attached listing all Hazardous Material

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

ABC Fire extinguisher

- 1- 1 - ABC fire extinguisher located at the Propane Dispenser.
- 2- ABC fire extinguisher located throughout the facility (Listed on the Site Plan) (Attached)
- 3- Sprinkler system, Fire Suppression Panel (Listed on the site Plan) Attached

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.

- 1- Fusible link on ISC - isolation valve between the tank and the downstream propane dispensing equipment.
- 2. E-Stop Button- located on the board storage building on west side(see site plan. This shuts down the pump and closes a solenoid valve upstream of hoses.
- 3. Power supply breaker inside the main building. This cuts all power to the propane system - shuts down pump; closes solenoid valve.

Maintenance and testing schedule for fire protection controls and devices.

Maintenance and testing is undertaken by Superior Propane according to Superior 's Maintenance Standards. Schedule for key equipment is:

- 1- Pumps - (pumps every 3 months; pump motor: check belts monthly; grease pump every 6 months).
- 2- ISC valve (test for closure every 6 months)
- 3- Storage tank Relief Valves - inspected every 2 years; replacement schedule as per provincial regulations.

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) Tom Drouillard	Official Title Maintenance Manager	
Signature	Telephone No. 519-354-1100	Date (dd-mm-yyyy)



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
 propane@tssa.org
 www.tssa.org

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

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

1. Contacts for Emergency Response

1. Facility Contact Personnel - Key Contact		5. Facility 24-Hour Contact Person	
Name Tom Drouillard	For Office Use - Party No.	Name Tom Drouillard	For Office Use - Party No.
Official Title Maintenance Manager		Official Title Maintenance Manager	
Telephone No. 519-354-1100 X205	Fax No. 519-354-5325	Cell No. 519-401-0189	Fax No. 519-354-5325
E-mail thomas.drouillard@msscna.com		E-mail thomas.drouillard@msscna.com	
Role and responsibilities in emergency Coordinate site response plan (ERP)		Role and responsibilities in emergency Coordinate site response plan (ERP)	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Mike Fife	For Office Use - Party No.	Name Gino Negri	For Office Use - Party No.
Official Title Human Resources Manager		Official Title Site Manager	
Telephone No. 519-354-1100 x.204	Fax No. 519-354-5325	Telephone No. 519-354-1100 x201	Fax No. 519-354-5325
E-mail mike.fife@msscna.com		E-mail gino.negri@msscna.com	
Role and responsibilities in emergency Coordinate site response plan (ERP)		Role and responsibilities in emergency Coordinate site response plan (ERP)	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name Ken Stuebing	For Office Use - Party No.	Name Ken Hooker	For Office Use - Party No.
Official Title Fire Paramedic Chief	E-mail ckfire@chatham-kent.ca	Official Title Regional Manager	E-mail khooker@dowierkarn.com
Telephone No. 519-436-3270	Fax No.	Telephone No. 519-490-4512	Fax No.
Role and responsibilities in emergency Coordinate Emergency Response		Role and responsibilities in emergency Liaison with Emergency Services	
Fire Services Address 5 Second St Chatham, ON, N7M5X2		Propane Supplier Address	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Bob Davidson	For Office Use - Party No.	Name Paul Lancina	For Office Use - Party No.
Official Title Assistant Chief	E-mail ckfire@chatham-kent.ca	Official Title Director of Building Services	
Telephone No. 519-436-3270	Fax No.	Telephone No. 519-360-1998	Fax No. 519-436-3215
Role and responsibilities in emergency Coordinate Emergency Response		E-mail	
Fire Services Address 5 Second St. Chatham, ON, N7M5X2		Municipality Name and Address Municipality of Chatham-Kent, 315 King st. West, Chatham, ON, N7M5K8	

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) <i>Tom Drouillard</i>	Official Title <i>Maintenance Manager</i>
Signature <i>Tom Drouillard</i>	Telephone No. <i>(519) 354-1100</i>
	Date (dd-mm-yyyy) <i>12-Oct-2017</i>



Technical Standards and Safety Authority
www.tssa.org

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

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

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

2. Additional Safety Measures

Describe any other measures in place at the facility that exceed the minimum Code and Standards requirements.

Emergency Stop Button cuts the power to the dispenser located at the Propane tank, shutting down the solenoid stopping the flow of propane

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) Tom Drouillards		Official Title Maintenance Manager	
Signature		Telephone No. 519-354-1100	Date (dd-mm-yyyy)



Technical Standards and Safety Authority
www.tssa.org

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

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

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

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) None	Print Name of Training Provider:
	Print Name of Instructor:
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) None	Print Name of Training Provider:
	Print Name of Instructor:
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) 2010	Print Name of Training Provider: See(Attached Training list) Please Note - a ROT is valid for 3 years
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Name of person completing this form (please print) Tom Drouillard	Official Title Maintenance Manager	
Signature	Telephone No. 519-354-1100	Date (dd-mm-yyyy)



Technical Standards and Safety Authority
www.tssa.org

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

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

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

4. Emergency Training Plan for Coming Year

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

Target Date (dd-mm-yyyy) Q1-2012	Print Name of Training Provider: Superior Propane or Alternate	Please note: Canadian Propane Gas Association
	Print Name of Instructor: to be arranged	is currently developing the course
Target Date (dd-mm-yyyy)	Print Name of Training Provider:	content and it and its provider should be available to
	Print Name of Instructor:	teach in the fourth quarter of this year.
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) Q1-2012	Print Name of Training Provider: Key Contact to train staff
	Print Name of Instructor: to be arranged
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) 2012	Print Name of Training Provider: See (Attached Training list)	Please Note - a ROT is valid for 3 years
	Print Name of Instructor: Owner to call if training is required in 2012 if training is required	
Target Date (dd-mm-yyyy)	Print Name of Training Provider:	
	Print Name of Instructor:	
Target Date (dd-mm-yyyy)	Print Name of Training Provider:	
	Print Name of Instructor:	

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

Name of person completing this form (please print) Tom Drouillard	Official Title Maintenance Manager
Signature	Telephone No. 519-354-1100
	Date (dd-mm-yyyy)



Technical Standards and Safety Authority
www.tssa.org

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

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

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

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

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 operator or Alternate will contact emergency services by calling 911 and will provide warnings outlined in the attached: "Propane Emergency Response Procedures" placard (to be posted on site and part of the employee training). If it is safe to do so this could involve advising neighbors to evacuate. The owner/operator may also contact Superior Propane via the emergency number identified in the ERP.

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).

The owner /operator or alternate should first follow the actions in the ERP provided herein. Stage evacuation, if the release of propane cannot be stopped by cutting electrical power may be required. Note a specific muster point is not advisable, since a propane plume can blow in any direction.

Actions will be taken by an on duty ROT person(s)

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).

When the system is operational, a ROT person will be on duty and be in the propane tank area. This person will be able to visually ascertain any abnormal/ accident event and implement the appropriate emergency response actions. When the system is not in operation, the ISC valve (main isolation valve) is closed, and the propane system is unattended. Any accident involving the propane tank during such times will require the intervention of random, nearby individuals.

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

The propane tank system is located in a wide open area that is easily accessible.

The fire access routes are identified in the attached site plan.

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

The critical information required from the license holder is (a) how to shut the system down and (b) the fill level in the tank (if known)

Fill level is relevant from a time-to-BLEVE perspective (a near empty tank will BLEVE sooner than a full tank if there is a fire impingement on the tank).

This information will be provided to the authorities by site Maintenance Manager Tom Drouillard or alternate.

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

(Contact person) 30 to 45 minutes to reach the facility

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) Tom Drouillard	Official Title Maintenance Manager	
Signature	Telephone No. 519-354-1100	Date (dd-mm-yyyy)



Technical Standards and Safety Authority
www.tssa.org

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

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

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

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

6. Building and Site Security and Procedures

	Yes	No
1. Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is there adequate night lighting at the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Are there procedures that capture and record the daily inspection of hoses and inspection requirements for filling systems and mechanical devices used in the transfer of propane?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are weighing systems validated for accuracy?	<input 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 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>21 m fire hydrant</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>

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) Tom Drouillard	Official Title Maintenance Manager
Signature	Telephone No. 519-354-1100
	Date (dd-mm-yyyy)



Technical Standards and Safety Authority
www.tssa.org

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

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

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

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

8. Licence holder and local Fire Services Review

To be completed by the Local Fire Services	Yes	No
Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?	<input type="checkbox"/>	<input type="checkbox"/>
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-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		

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) Tom Drouillard	Official Title Maintenance Manager	
Signature	Telephone No. 519-354-1100	Date (dd-mm-yyyy)



Technical Standards and Safety Authority
www.tssa.org

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

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

SECTION C: SUBMISSIONS

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

Facility Site Plan.

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

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

Map of Surrounding Area.

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

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

Required Mapping Information from Updated Site Plan

Date Map Prepared (dd-mm-yyyy) 20-11-2011	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: <u>37 m</u>	Right side property line: <u>277 m</u>
Rear: <u>95 m</u>	Left side property line: <u>23 m</u>
GPS coordinates of single largest vessel: <u>42.4001 -17.1741</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) Tom Drouillard	Official Title Maintenance Manager
Signature	Telephone No. <u>519-354-1100</u> Date (dd-mm-yyyy)



Technical Standards and Safety Authority
www.tssa.org

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

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

SECTION C: SUBMISSIONS (cont'd)

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

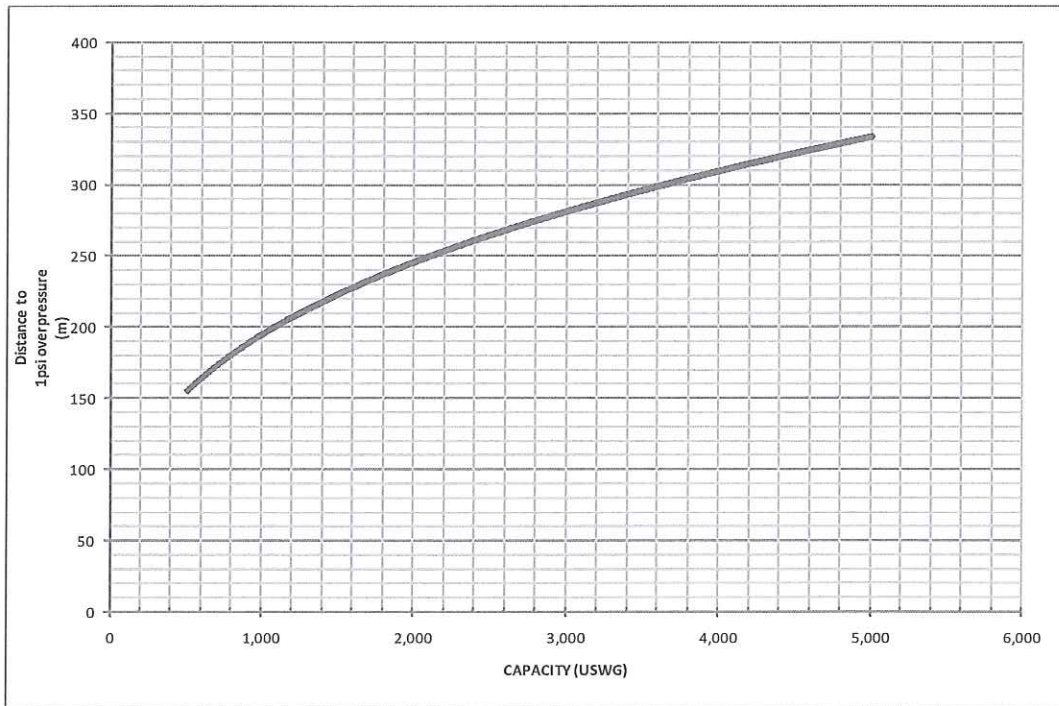
Table 1: Distance Table

Water Capacity (litres)	Nominal Water Capacity (USWG)	Distance to 1 psi overpressure (m)
1,890	500	155
3,780	1,000	195
4,920	1,300	213
6,620	1,750	235
7,130	1,885	241
7,560	2,000	246
18,900	5,000	333

Formula: $D = 16.94 \times (1.524 \times C)^{1/3}$
 D = Distance to overpressure of 1 psi (meters)
 C = Tank Total Capacity in USWG

Parameters: Density of Propane is 0.5033 kg per litre @ 15 C
 Assume all vessels are 80% full
 1 gallon [US, liquid] = 0.003785411784 cubic meter
 1 cubic metre = 264.17 USWG

Hazard Distance Chart (EPA-TNT model)



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) Tom Drouillards	Official Title Maintenance Manager
Signature	Telephone No. 519-354-1100
	Date (dd-mm-yyyy)



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>Commercial buildings</u> Address: <u>Park Ave east</u> City: <u>Chatham</u> Province <u>On</u> Postal Code <u>N7M 3V7</u>			x		<u>25</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. [Redacted]				x	<u>70</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>None</u> Address: _____ City: _____ Province _____ Postal Code _____	x				<u>0</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: <u>None</u> Address: _____ City: _____ Province _____ Postal Code _____	x				<u>0</u> m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: <u>None</u> Address: _____ City: _____ Province _____ Postal Code _____	x				<u>0</u> m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: <u>None</u> Address: _____ City: _____ Province _____ Postal Code _____	x				<u>0</u> 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>Tom Drouillard</u>	Official Title <u>Maintenance Manager</u>	
Signature	Telephone No. <u>519-354-1100</u>	Date (dd-mm-yyyy)



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

Portable Storage Additional Information Sheet

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9	0	0
# 100	29.5	0	0
# 40	11.75	0	0
# 33.3	9.62	40	384.8
# 30	8.8	0	0
# 20	5.8	4	23.2
# 10	2.9	0	0
# 5	1.5	0	0
Total Cylinder Capacity 408 USWG			

Tanks Stored On-site Not Connected for Use

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

Total Cylinder Capacity	408 USWG
Total Tank Capacity	2000 USWG Propane refill tank
Total Portable Capacity	408 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) Tom Drouillard	Official Title Maintenance Manager	
Signature	Telephone No. 519-354-1100	Date (dd-mm-yyyy)

RSMP Section "B" : Emergency & Preparedness Procedures Response Plan
 Maintenance & Testing Schedule for Fire Protection Equipment
 (Part 6 of the Ontario Fire Code)

Equipment	Check	Inspection	Test
Extinguisher	Monthly	Monthly OFC: Div B 6.2.7.2.	Annual OFC: Div B 6.2.7.3.

Fire Code Definitions:

Check means visual observation to ensure the device or system is in place and not obviously damaged.

Inspection means physical examination to determine that the device or system will apparently perform in accordance with its intended function.

Test means the operation of a device or system to ensure that it will perform in accordance with its intended operation or function.



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: 1.877.692.8772

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

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

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

8. Licence holder and local Fire Services Review

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:

AN ATTACHED LETTER HAS BEEN SUPPLIED.

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:

LOCAL FIRE SERVICES

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

Local Fire Services Name	Print name <i>RAV STONE</i>	Signature <i>R Stone</i>	Date (dd/mm/yyyy) <i>12/12/2011</i>
--------------------------	--------------------------------	-----------------------------	--

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) Tom Drouillard	Official Title Maintenance Manager	Date (dd/mm/yyyy) <i>12/12/2011</i>
Signature <i>Tom Drouillard</i>	Telephone No. 519-354-1160	



Technical Standards and Safety Authority
www.tssa.org

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

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

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

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

6. Building and Site Security and Procedures

	Yes	No
1. Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is there adequate night lighting at the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Are there procedures that capture and record the daily inspection of hoses and inspection requirements for filling systems and mechanical devices used in the transfer of propane?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are weighing systems validated for accuracy?	<input 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 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>21 m fire hydrant</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>

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.

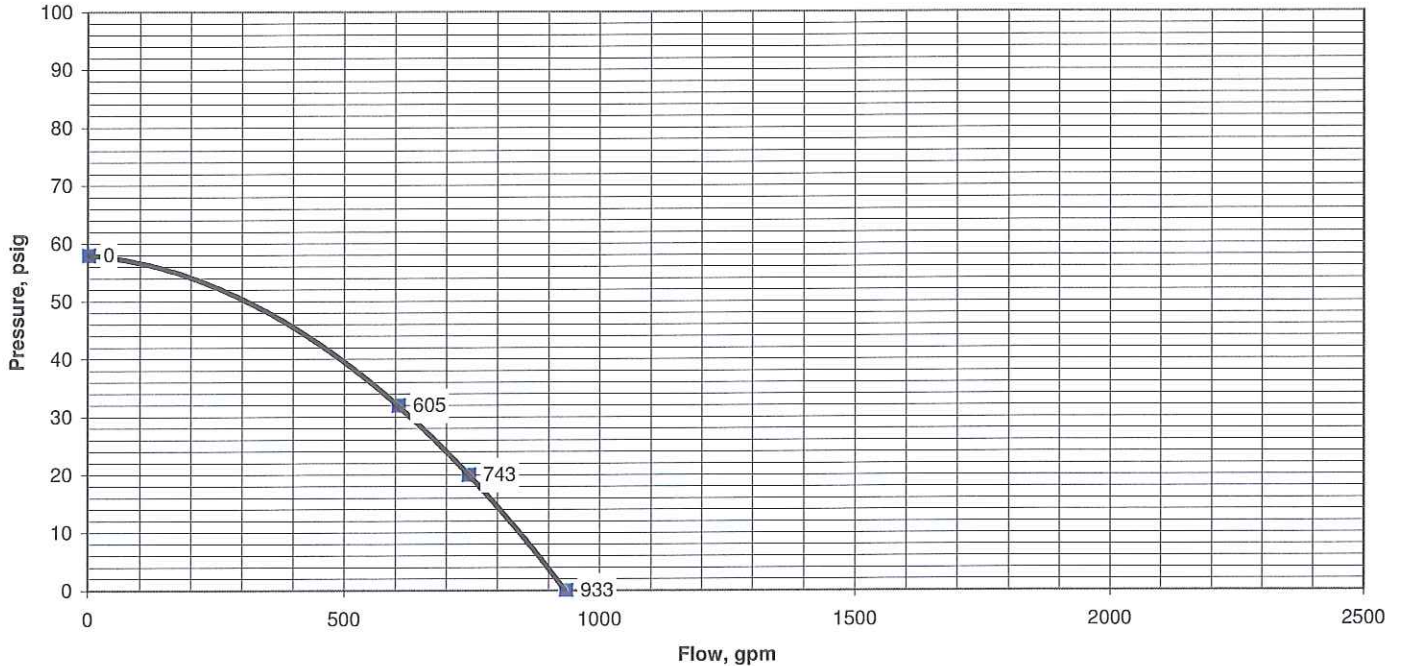
Name of person completing this form (please print) Tom Drouillard	Official Title Maintenance Manager	
Signature 	Telephone No. 519-354-1100	Date (dd-mm-yyyy) 08-06-2012

WATER FLOW TEST REPORT

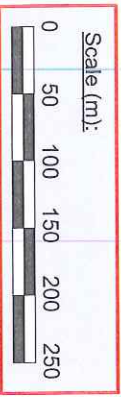
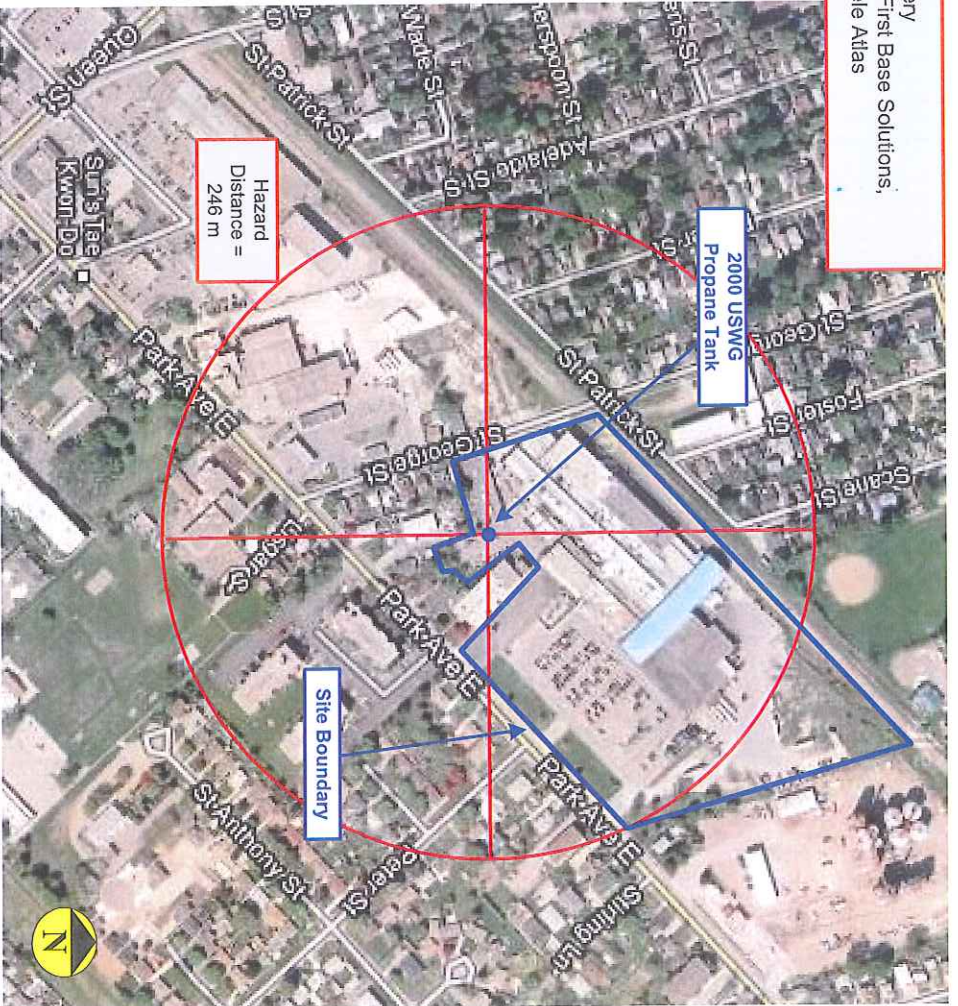
HYDRANT # & LOCATION Meritor Chatham Hydrant A (by main Offices) DATE: 6/5/2012
 TEST BY: Wallace Kent Sprinkler Systems Day or Week: Wednesday TIME OF DAY: 1.00 PM MIN. OF FLOW: 5
 WATER SUPPLIED BY: Municipal
 PURPOSE OF TEST: Owner Request

DATA

FLOW HYDRANT(S)	A1	A2	A3
SIZE OPENING:	<u>2.5</u>	_____	_____
COEFFICIENT:	<u>0.9</u>	_____	_____
PITOT READING:	<u>13</u>	_____	_____
GPM:	<u>605</u>	<u>0</u>	<u>0</u>
TOTAL FLOW DURING TEST:	<u>605</u> GPM		
STATIC READING:	<u>58</u> PSI	RESIDUAL:	<u>32</u> PSI
RESULTS: AT 20 PSI RESIDUAL	<u>743</u> GPM	AT 0 PSI	<u>933</u> GPM
ESTIMATED CONSUMPTION:	<u>3025</u> GAL.		
REMARKS:	Hydrant is Class B type. Color code hydrant Orange.		



©2011 Google – Imagery
 ©2011 Digital Globe, Cnes/Spot Image, First Base Solutions,
 Map data ©2011 Google, Tele Atlas



Seiback Distances to Site Boundary
 Northwest: 95 m Northeast: 277 m
 Southeast: 37 m Southwest: 23 m

Capacity of Propane Storage Tank
 Capacity of Propane Storage Tank = 2000 USWG

GPS Co-ordinates of Propane Storage Tank
 GPS Co-ordinates = 42.4001, -82.1741

Circular Distance to 1 psi overpressure
 Denoted by circle centred on tank; radial distance = 246 m

Municipality (yes) within the 1 psi overpressure circle:
 City of Chatham-Kent

Municipal Contact:
 Judy Smith
 City Clerk, City of Chatham-Kent
 315 King Street West, P.O. Box 640, Chatham, ON,
 N7M 5K8
 Tel: 519-360-1998 Fax: 519-436-3237
 email: judy.smith@chatham-kent.ca

MSSC Canada Inc.
 201 Park Avenue East, Chatham, ON, N7M 3V7
 Parts of Park Lots 7, 8 & 9 (Hanwich) and Park Lot 3 and Part Park Lot 2 on registered Plan No. 236 being designated as Part 2 on Plan of Reference No. 24R-3612, and Part of Park Lots 4 & 5 (Hanwich) and Lots 21 to 26 inclusive on registered Plan No. 336, being designated as Part 1 on Reference Plan 24R-3612, City of Chatham, County of Kent

Drawn by: S. Oliverio Date: November 20, 2011

