



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: **78640482**

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: **Costco Wholesale Canada Limited** Ontario Corporation No., if applicable: _____

Operator Name (if different from above): **Tony Gibblings (Agent/Warehouse Manager)**

Telephone No.: **1-800-463-3763** Fax No.: **N/A** E-mail: **service@costco.ca**

B Street No.: **415** Street Name / 911 Number / Address, if applicable: **West Hunt Club Road**

Town / City or Township / County: **Ottawa** Province: **Ontario** Postal Code: **K2E 1C5**

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

D Location of facility, Street No.: **1225** Street Name / 911 Number / Address, if applicable: **Brent Street** Nearest Major Intersection: **Brent Street & North Service Road**

Town / City or Township / County: **Burlington** Province: **Ontario** Postal Code: **L7P 1X7**

Name of Licence Holder: **Tony Gibblings (Agent/Warehouse Manager) on behalf of Costco Wholesale Canada Limited**

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): **Robert Meyer** ROT type: **100-08**

Municipality (or municipalities if the facility or its hazard distance touches multiple borders): **City of Burlington**

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: Tony Gibblings (Agent) on behalf of Costco Wholesale Canada Ltd		2-18-12
Name of Senior Management person as defined in the Regulation holding the Record of Training: Robert Meyer		



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 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.
2006 2010

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

	PSIG	Serial Number
Tank 1:	250 PSIG	54563358
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: 560.4 USWG Mobile: 0

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) Kelly Almey		Official Title Process Safety, Superior Propane
Signature 		Telephone No. 905-283-2480 x5549
		Date (dd-mm-yyyy) 20-02-2012



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 A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s) Superior Propane - Ontario Regional Operations Centre		For Office Use - Party No. [REDACTED]	
Street No. 251	Street Name / 911 Number / Address, if applicable Woodlawn Road West, Unit 217		
Town / City or Township / Country Guelph		Province Ontario	Postal Code N1H 8J1
Telephone No. 1-877-873-7467	Fax No. (519) 836-7766	Contact Name Bruce Graham	
E-mail GrahamB@superiorpropane.com			

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>		For Office Use - Party No. [REDACTED]	
Superior Propane - Smithville			
Street No. 3089	Street Name / 911 Number / Address, if applicable Regional Road #12		
Town / City or Township / Country Smithville		Province Ontario	Postal Code L0R 2A0
Telephone No. (519) 780-5785	Fax No. N/A	Contact Name Mac Sutherland	
E-mail sutherlm@superiorpropane.com			

Off-site Cylinder and/or Mobile Storage None	Capacity stored off-site, in USWG	For Office Use - Party No. [REDACTED]	
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) Tony Glibbings	Official Title Warehouse Manager	
Signature 	Telephone No. (905) 407-9221	Date (dd-mm-yyyy) 2-18-2012



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.
None

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

1. Fires Extinguisher - there are 2 fire extinguishers at the propane station.
2. Emergency stop push button - located in the shop, near the compressor. This shuts down the pump and closes a solenoid valve upstream of hoses.
3. Power supply breaker (panel box shut off) - located in the shop, on the back wall. This cuts all power to the propane system - shuts down pump; closes solenoid valve.
4. Gas Sniffer - located at the propane station.

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. Emergency stop push button - located in the shop, near the compressor. This shuts down the pump and closes a solenoid valve upstream of hoses.
2. Fusible link on ISC valve - Isolation valve between the tank and the downstream propane dispensing equipment.
3. Power supply breaker inside the building. This cuts all power to the propane system - shuts down pump; closes solenoid valve.
4. ISC valve interlock bar (interlocked with cabinet door) - ISC valve closes when door is closed.

Maintenance and testing schedule for fire protection controls and devices.

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

1. Pumps (Pump every 3 months; Pump Motor: check belts monthly; grease motor every 6 months);
2. ISC Valves (test for closure every 6 months)
3. Fusible links - inspected every 6 months;
4. Storage tank Relief Valves - inspect every 2 years; replacement schedule as per provincial regulations.
5. Fire extinguishers maintained by Costco as per Ontario fire regulations. Maintenance records are kept in a log at the site and kept for 5 years.

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) Tony Gibblings	Official Title Warehouse Manager
Signature 	Telephone No. (905) 407-9221
	Date (dd-mm-yyyy) 2-10-2012



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)

1. Contacts for Emergency Response

1. Facility Contact Personnel - Key Contact

Name	John Mulr	For Office Use - Party No.	[Redacted]
Official Title	Tire Centre Manager		
Telephone No.	(905) 320-7645	Fax No.	(905) 336-2509
E-mail	W253tsm@COSTCO.COM		
Role and responsibilities in emergency	coordinate site response		

5. Facility 24-Hour Contact Person

Name	Tony Gibbings	For Office Use - Party No.	[Redacted]
Official Title	Warehouse Manager		
Cell No.	(905) 320-5105	Fax No.	(905) 336-2509
E-mail	W253mgr@COSTCO.COM		
Role and responsibilities in emergency	coordinate site response		

2. Facility Contact Personnel - Alternate Contact

Name	Dan Nagle	For Office Use - Party No.	[Redacted]
Official Title	Assistant Warehouse Manager		
Telephone No.	(905) 699-3852	Fax No.	(905) 336-2509
E-mail	W253mgr4@costco.com		
Role and responsibilities in emergency	coordinate site response if key contact is unavailable		

6. Name of Facility Manager

Name	Tony Gibbings	For Office Use - Party No.	[Redacted]
Official Title	Warehouse Manager		
Telephone No.	(905) 336-6714 c (905)	Fax No.	(905) 336-2509
E-mail	W253mgr@COSTCO.COM		
Role and responsibilities in emergency	coordinate site response		

3. Local Fire Services - Key Contact

Name	Shane Mintz	For Office Use - Party No.	
Official Title	Fire Chief	E-mail	mintzs@burlington.ca
Telephone No.	(905) 333-0772 x6202	Fax No.	N/A
Role and responsibilities in emergency	coordinate/advise on Fire Service response and liaise with police		
Fire Services Address	Burlington Fire Services, 426 Brant Street, PO Box 5013 Burlington, ON L7R3Z6		

7. Propane Supplier - Key Contact Person

Name	Superior Propane Hotline	For Office Use - Party No.	
Official Title		E-mail	
Telephone No.	1-877-873-7467	Fax No.	
Role and responsibilities in emergency	Identify and dispatch Superior Propane and or LPERGC response personnel as required		
Propane Supplier Address	251 Woodlawn Road West, Unit 217, Guelph, ON		

4. Local Fire Services - Alternate Contact

Name	Tony Bavota	For Office Use - Party No.	
Official Title	Deputy Fire Chief	E-mail	bavotas@burlington.ca
Telephone No.	(905) 333-0772 x6227	Fax No.	N/A
Role and responsibilities in emergency	assist with the coordination of Fire Service response and liaise with police		
Fire Services Address	Burlington Fire Services, 426 Brant Street, PO Box 5013 Burlington, ON		

8. Municipal Contact

Name	Angela Morgan	For Office Use - Party No.	[Redacted]
Official Title	City Clerk		
Telephone No.	(905) 335-7702	Fax No.	N/A
E-mail	morgana@burlington.ca		
Municipality Name and Address	Municipality of Halton, City of Burlington, 426 Brant Street, PO Box 5013 Burlington, ON		

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)	Tony Gibbings		
Signature			
Official Title	Warehouse Manager		
Telephone No.	(905) 407-9221	Date (dd-mm-yyyy)	2-18-2017



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 (cont'd)

2. Additional Safety Measures

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

Emergency Shut Off push button to shut down pump and close solenoid valve upstream of dispensing hoses.

Fire Suppression System - (fire sprinkler system) Inside Costco building.

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) Tony Gibbins	Official Title Warehouse Manager	
Signature 	Telephone No. (905) 407-9221	Date (dd-mm-yyyy) 2-18-2017



Technical Standards and Safety Authority
www.tesa.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) 2010	Print Name of Training Provider: Costco - Standard Costco Safety Training
	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) 2010	Print Name of Training Provider: Costco - Standard Costco Safety Training
	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) As Required	Print Name of Training Provider: FSN Training or Alternate	PLEASE NOTE: a ROT is valid for 3 years
	Print Name of Instructor: to be arranged as required	
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) Tony Gibblings	Official Title Warehouse Manager
Signature 	Telephone No. (905) 407-9221
	Date (dd-mm-yyyy) 2-18-2012



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) 2011	Print Name of Training Provider: Costco - Standard Costco Safety Training	
	Print Name of Instructor:	
Target Date (dd-mm-yyyy) 1Q 2012	Print Name of Training Provider: Superior Propane or Other	PLEASE NOTE - the course content is currently
	Print Name of Instructor: TBA	being developed by the industry and should be
Target Date (dd-mm-yyyy)	Print Name of Training Provider:	available for teaching in the fourth quarter of this year
	Print Name of Instructor:	

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

Target Date (dd-mm-yyyy) 2011	Print Name of Training Provider: Costco - Standard Costco Safety Training	
	Print Name of Instructor:	
Target Date (dd-mm-yyyy) 1Q 2012	Print Name of Training Provider: Key site contact to train staff	
	Print Name of Instructor: TBA	
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) TBA as required	Print Name of Training Provider: FSN Training or Other	PLEASE NOTE - a ROT is valid for 3 years
	Print Name of Instructor: TBA as 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) Tony Gibbins	Official Title Warehouse Manager	
Signature 	Telephone No. (805) 407-9221	Date (dd-mm-yyyy) 2-18-2012



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 key contact/operator or alternate (both ROT staff) will contact emergency services by calling 911 and will provide warnings as outlined in the attached Propane Emergency Response Procedures (to be posted at site and be part of 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 key contact/operator or alternate should first follow the actions in the ERP's provided herein. Staged evacuation, if the release of propane cannot be stopped by cutting electrical power may be required. The initial muster location will be at the corner of North Service Road and Brant Street. It is at least 75 m from the site and away from a dispersing propane cloud. Subsequent evacuation instructions potentially up to the Hazard Distance to be provided by municipal emergency responders. Residences and businesses beyond the site boundary to be notified by municipal 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).

When the system is operational, site staff will be on duty and be in the propane tank area. The key contact or alternate will be implementing ER actions and notifications, including notifying emergency responders. Calling 911 will occur immediately after any attempt to shut down the system.

When the system is not in operation, the ISC valve (main isolation valve) is closed, and the propane system is unattended, but is shutdown.

Any accidents 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 from Brant Street and the North Service Road.

The access routes for fire trucks 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 information on how to shut the system down and the fill level in the tank (if known).

This will be provided either verbally by agent, Tony Gibbings, if on-site or by cell phone during off hours.

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

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

It would take the 24-hour contact, Tony Gibbings, approximately 30 minutes to arrive on site after having received the emergency call.

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) Tony Gibbings	Official Title Warehouse Manager
Signature 	Telephone No. (905) 407-9221
	Date (dd-mm-yyyy) 2-18-2017



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 (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>500 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> |

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) Tony Gibbings		Official Title Warehouse Manager	
Signature 		Telephone No. (905) 407-9221	Date (dd-mm-yyyy) 2-19-2012



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: 1.877.682.6772

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

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-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) Tony Gibbins	Official Title Warehouse Manager	
Signature 	Telephone No. (905) 407-9221	Date (dd-mm-yyyy) 2-18-2012

January 6, 2012

Chief Shane Mintz
Fire Chief
Burlington Fire Services
426 Brant Street
PO Box 5013
Burlington, ON L7R 3Z6

Dear Chief Mintz;

As you are aware, the new Ontario Regulation 211X01 requires all propane handlers in Ontario to complete a Risk and Safety Management Plan (RSMP).

This RSMP is required by the Technical Standards and Safety Authority (TSSA) in order to renew a propane license.

Part of the process includes that the local Fire Department review the RSMP.

Therefore, we kindly ask you to review this RSMP for Costco Wholesale Ltd., located at 1225 Brant Street in Burlington.

Please complete page 11, with your comments and recommendations, sign, and return to:

Jason W. Smith, CFEI
Fuel Regulatory & Technical Consultant
2377 Hwy. #2, Unit 120, Suite 456
Bowmanville, ON L1C 5E2

Phone: (705) 761-9306
Email: j_w_smith20@hotmail.com

Thank you in advance for your attention to this matter.

Sincerely,

Kelly Almey
Process Safety Coordinator, Superior Propane
Telephone: (905) 285-2480 x5549

Enclosure: 1



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

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:

Page 5 - Chief Mintz phone extension is X6202. Deputy Chief Bavota phone extension is X6227 and email is bavotaa@burlington.ca.

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.

Local Fire Services Name	Print name <i>JOE WINTAR</i>	Signature <i>Wintar</i>	Date (dd-mm-yyyy) <i>01-24-2017</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) <i>Roberto Felice</i>	Official Title <i>Warehouse Manager</i>
Signature	Telephone No. <i>(905) 407-9221</i>
	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

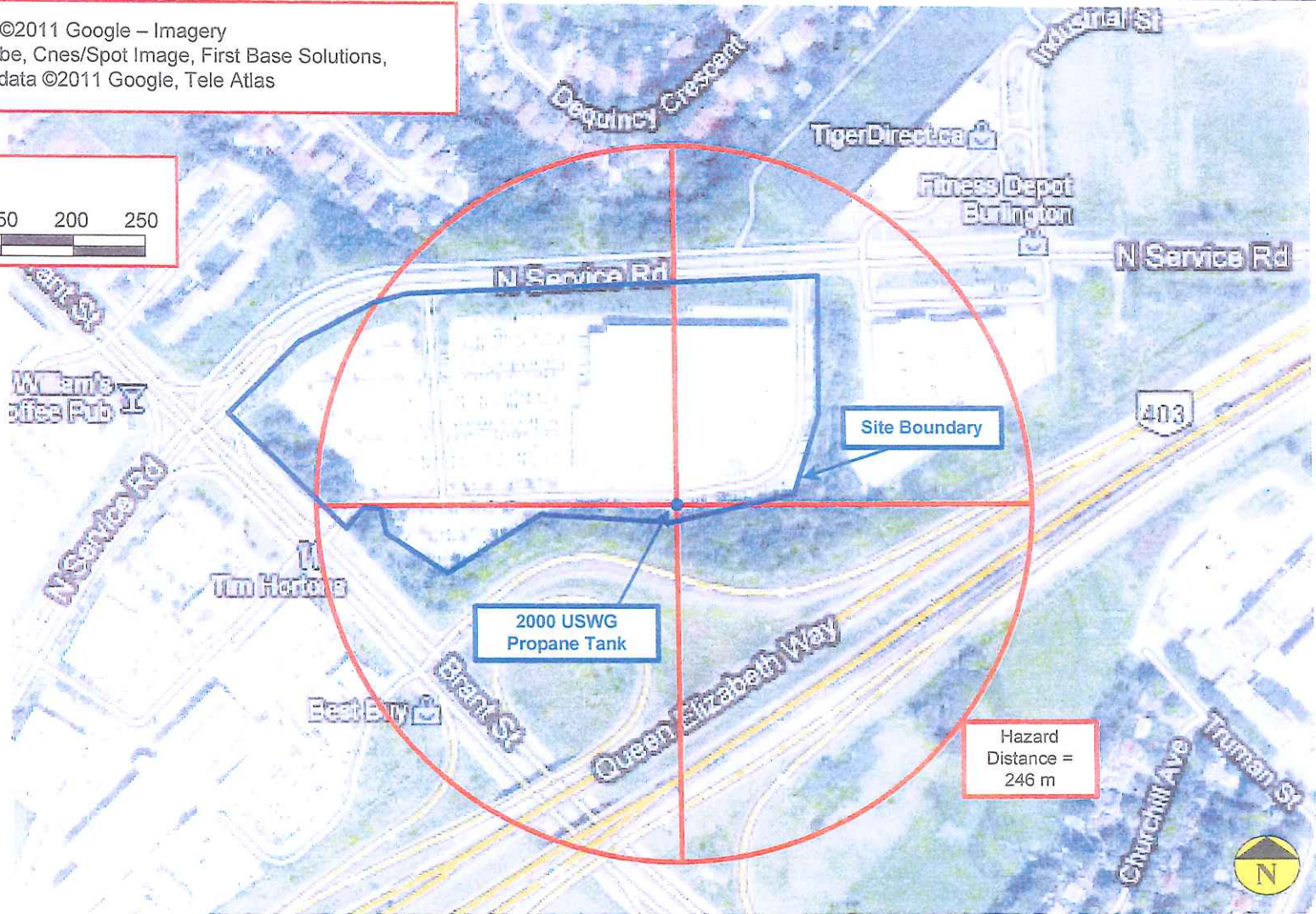
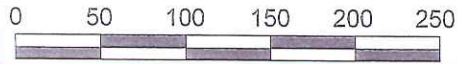
Date Map Prepared (dd-mm-yyyy) 17-05-2011	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 210 m West	Right side property line: 15 m South
Rear: 50 m East	Left side property line: 150 m North
GPS coordinates of single largest vessel:	Lat. 43.3437 Long. -79.8215

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) Tony Gibblings	Official Title Warehouse Manager
Signature 	Telephone No. (905) 407-9221
	Date (dd-mm-yyyy) 2-18-2012

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

Scale (m):



Setback Distances to Site Boundary	North : 150 m South: 15 m East: 50 m West: 210 m
Capacity of Propane Storage Tank	Capacity of Propane Storage Tank = 2000 USWG
GPS Co-ordinates of Propane Storage Tank	GPS Co-ordinates = 43.3437, -79.8215
Circular Distance to 1 psi overpressure:	Denoted by circle centred on tank; radial distance = 246 m

Municipality (ies) within the 1 psi overpressure circle:	City of Burlington
Municipal Contact:	Joanne Rudy Secretary to the City Clerk, City of Burlington 426 Brant Street, P.O. Box 5013, Burlington, ON, L7R 3Z6 Tel: 905-335-7698 Fax: 905-335-7881 email: rudyj@burlington.ca

Map of Surrounding Area	
Costco 1225 Brant Street, Burlington, ON, L7P 1X7 Block 1, Registered Plan 20-M-634, City of Burlington, Municipality of Halton	
Drawn by: L. Oliverio	Date: May 17, 2011



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

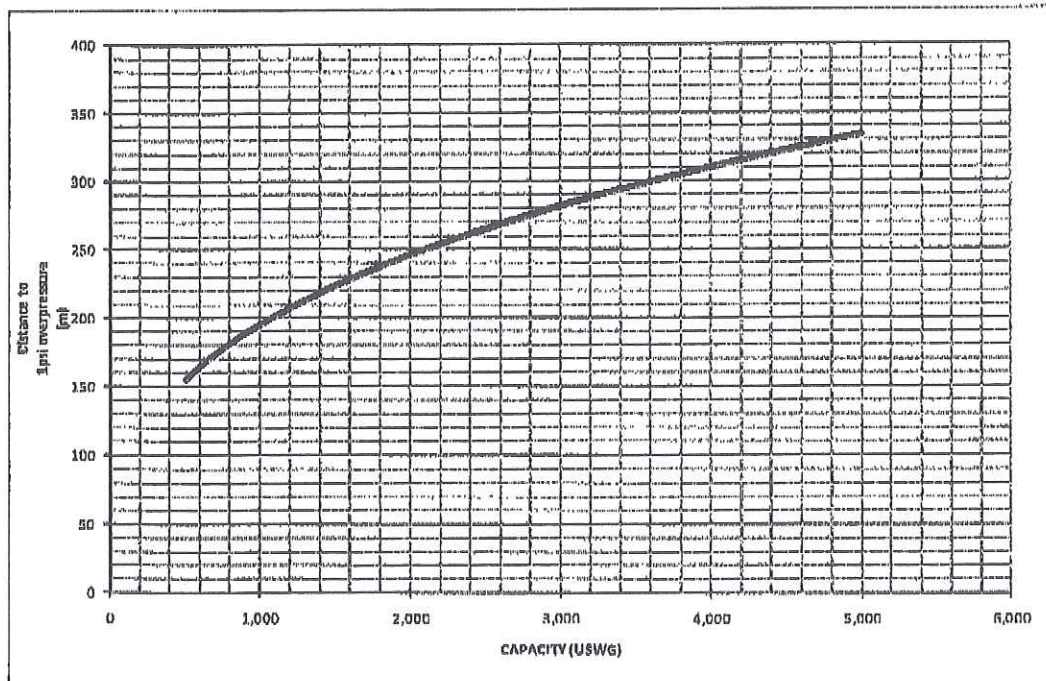
Table 1: Distance Table

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)





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>None within Hazard Distance</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: <u>None within Hazard Distance</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Plaza (includes Mobilla, End of the Roll, XS Cargo)</u> Address: <u>North Service Road</u> City: <u>Burlington</u> Province <u>ON</u> Postal Code _____			X		<u>200</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: <u>None in Hazard Circle</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 in Hazard Circle</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: <u>None in Hazard Circle</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) Tony Gibbins	Official Title Warehouse Manager
Signature 	Telephone No. (905) 407-9221
	Date (dd-mm-yyyy) <u>2-10-2012</u>



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: 1.877.682.6772

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

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	24	282 USWG
# 33.3	9.62		
# 30	8.8		
# 20	5.8	48	278.4 USWG
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity			560.4 USWG

Tanks Stored On-site Not Connected for Use

Tank Size in USWG	Quantity	Total Volume in USWG
2000 USWG	1	2000 USWG
Total Tank Capacity		2000 USWG

Total Cylinder Capacity	560.4USWG
Total Tank Capacity	2000 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	2560.4 USWG