



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
 • a facility with a fixed propane storage capacity of
 USWG of portable propane storage capacity of

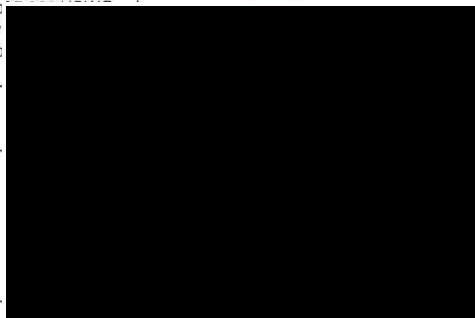
Failure to fully complete this form may result in rejection.
Making a false statement may result in a fine or prosecution
under the *Technical Standards and Safety Act*

Licence Number 0076442482-C

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 Costco Wholesale (Canada) Ltd Ontario Corporation No., if applicable

Operator Name (if different from above) Karen Cormier (Agent/Warehouse Manager)

Telephone No. 1-800-463-3783 Fax No. N/A E-mail service@costco.ca

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.

Street No. same as above 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.

Street No. 3 Street Name / 911 Number / Address, if applicable North Service Road Nearest Major Intersection North Service Road and YMCA Drive

Town / City or Township / County St. Catharines Province Ontario Postal Code L2N 7R1

Name of Licence Holder Karen Cormier (Agent) on behalf of Costco Wholesale Ltd.

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT). Robert Moyer ROT type 100-08-77281

Municipality (or municipalities if the facility or its hazard distance touches multiple borders) City of St. Catharines

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.

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Print name	Signature	Date (dd-mm-yyyy)
Name of Licence Holder <u>Karen Cormier (Agent) on behalf of Costco</u>		<u>23-01-12</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>Robert Moyer</u>		



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SECTION A: GENERAL INFORMATION (cont'd)

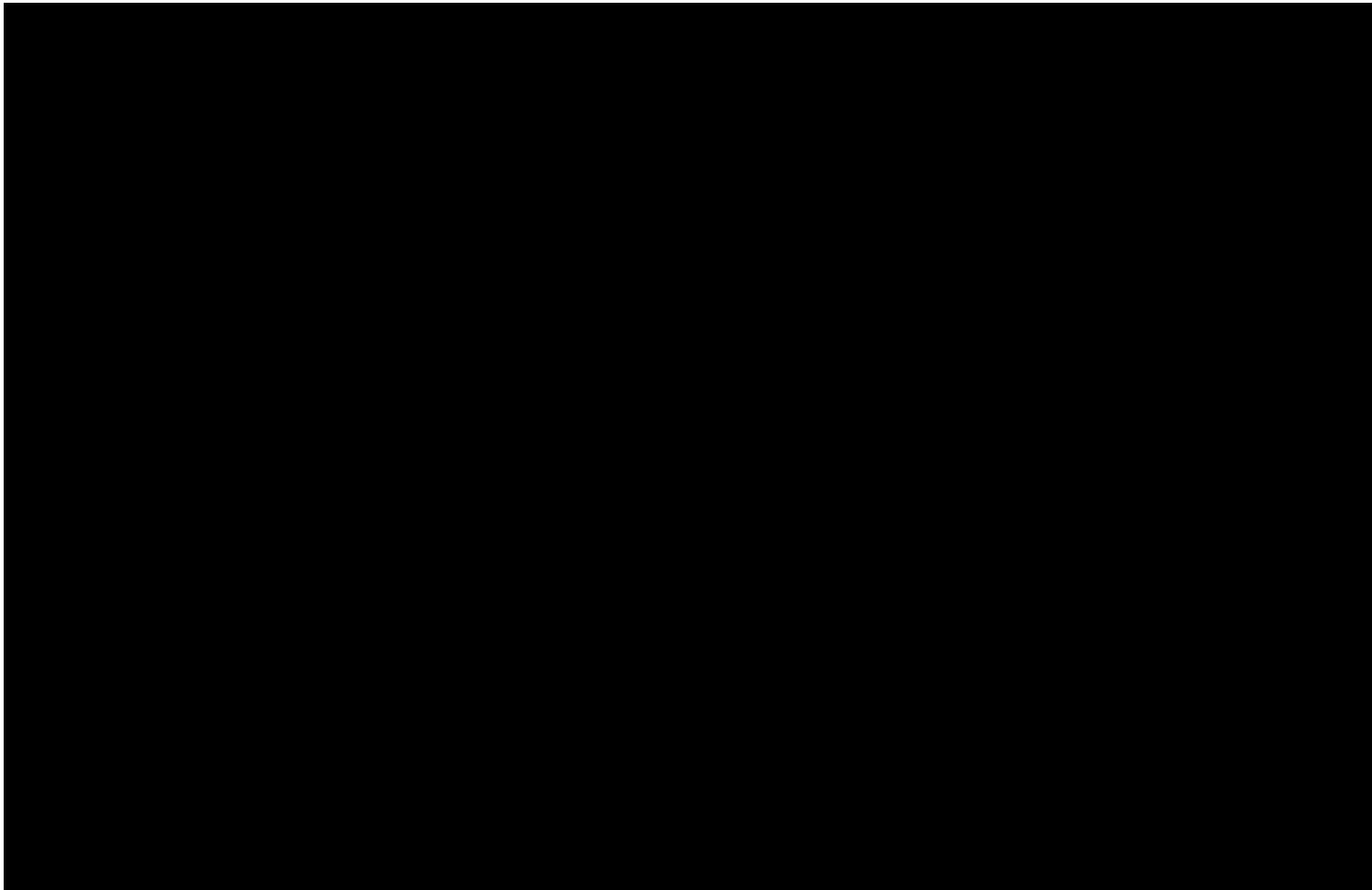
Indicate the year the facility was established. 1994 Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. None

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

	PSIG	Serial Number
Tank1:	<u>250 PSIG</u>	<u>5 563178</u>
Tank2:	_____	_____
Tank3:	_____	_____

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: 418 USWG Mobile: 0



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Name of person completing this form (please print) <u>Karen Cormier</u>	Official Title <u>Warehouse Manager</u>	
Signature 	Telephone No. <u>905-646-2008</u>	Date (dd-mm-yyyy) <u>23-01-12</u>



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SECTION A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s) Superior Propane - Ontario Regional Operations Centre			
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 Mike Mullins	
E-mail mullinsm@superiorpropane.com			

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>			
Superior Propane - Smithville			
Street No. 3089	Street Name / 911 Number / Address, if applicable Regional Rd. 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.
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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Signature 	Telephone No. 905-646-2008
	Date (dd-mm-yyyy) 23-01-12



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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.

1. Motor oil - 4000 litres stored @ tire centre
2. Used Oil - 5000 litres stored in the in ground tanks
3. Gasoline - 10 litres stored in fire cabinet in the tire centre

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

Fire Extinguishers located at propane filling station and in tire shop

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 valve - isolation valve between the tank and the downstream propane dispensing equipment.
2. Emergency stop lever - mounted inside the dispenser cabinet. This shuts down the pump.
3. E-Stop inside the building shuts down the pump
4. Power supply breaker inside the 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 Propane's Maintenance Standard. Schedule for key equipment is:

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

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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 Chad Borutski	For Office Use - Party No.	Name Karen Cormier	For Office Use - Party No.
Official Title Tire Centre Manager		Official Title Warehouse Manager	
Telephone No. 905-646-7837	Fax No. 905-646-7186	Cell No. 906-646-2008	Fax No. 905-646-7186
E-mail W523TSM@COSTCO.COM		E-mail W523MGR@COSTCO.COM	
Role and responsibilities in emergency Coordinate site response		Role and responsibilities in emergency Coordinate site response	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Alan Vinter	For Office Use - Party No.	Name Karen Cormier	For Office Use - Party No.
Official Title Manager		Official Title Warehouse Manager	
Telephone No. 905-646-2008	Fax No. 905-646-7186	Telephone No. 906-646-2008	Fax No. 905-646-7186
E-mail W523MGR4@COSTCO.COM		E-mail W523MGR@COSTCO.COM	
Role and responsibilities in emergency Coordinate site response if agent unavailable.		Role and responsibilities in emergency Coordinate site response	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name Mark Mehlenbacher	For Office Use - Party No.	Name Superior Propane Hotline	For Office Use - Party No.
Official Title Fire Chief		Official Title	
Telephone No. 905-684-4311 ex: 4201	Fax No. 905-687-3494	Telephone No. 1-877-873-7467	Fax No.
E-mail mmehlenbacher@stcatharines.com		E-mail	
Role and responsibilities in emergency Coordinate/advise on Fire Service response. Liaise with police.		Role and responsibilities in emergency Identify and dispatch Superior Propane and or LPERGC emergency response personnel as required.	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Daryl Whiteley	For Office Use - Party No.	Name Dan Carnegie	
Official Title Assistant Chief		Official Title City Clerk	
Telephone No. 905-684-4311 ext 4219	Fax No. 905-687-3494	Telephone No. 905-684-4311	Fax No. 905-687-3494
E-mail dwhiteley@stcatharines.com		E-mail dcarnegie@stcatharines.com	
Role and responsibilities in emergency Alternate - Coordinate/advise on Fire Service Response. Liaise with police.		Municipality Niagara	

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	Date (dd-mm-yyyy) 23-01-12



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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.

E-Stop Push button to shut down pump and close solenoid valve upstream of dispensing hoses.

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

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

Training Date (dd-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) to be arranged as required	Print Name of Training Provider: FSN Training or Other <small>Please note: ROT training & certification is valid for 3 years</small>
	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:

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	Date (dd-mm-yyyy) 23-01-12



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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) 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: to be arranged	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
	Print Name of Instructor:	this year

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

Target Date (dd-mm-yyyy) 1Q 2012	Print Name of Training Provider: Key site contact to train staff
	Print Name of Instructor:
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) to be arranged as required	Print Name of Training Provider: FSN Training or Other	Please note ROT training & certification is valid for 3 years
	Print Name of Instructor: to be arranged 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:	

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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 operator or alternate will contact emergency services by calling 911 and will provide warnings outlined in the attached "Propane Emergency Response Procedures" card (to be posted on site and part of the employee training). If it is safe to do so this could involved 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. Staged evacuation, if the release of propane cannot be stopped by cutting electrical power may be required. The muster location will be on YMCA Drive, at the entrance to the facility, near the Home Depot sign.
Subsequent evacuation instructions potentially up to the Hazard Distance to be provided 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, a ROT person will be on duty and be in the propane tank area. They key contact or alternate will be implementing ER actions including notifying emergency responders. Calling 911 will occur immediately after any attempts 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 shutdown. Any incidents involving the propane tank during such times will require the intervention of random, nearby individuals or store staff.

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 open area that is easily accessible by YMCA Drive.

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 down the system and the fill level in the tank (if known)
Fill level is relevant from a time to BLEVE perspective (a nearby empty tank will BLEVE sooner than a full tank if there is fire impingement on the tank)
This information will be provided to the authorities by 'Contacts' Chad Borutski or Karen Cormier either verbally if on site or by phone if after hours.

How long will it take the facility liaison person to respond to the site.
It would take the 24 hour contact, Karen Cormier, approximately 1/2 hour to arrive on site after receiving the emergency call.

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Name of person completing this form (please print) Karen Cormier		Official Title Warehouse Manager	
Signature 		Telephone No. 905-646-2008	Date (dd-mm-yyyy) 03-01-12



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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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>
8. Are quality assurance procedures in place to ensure that all valves are closed after the propane cylinders are filled?(e.g., QCC valves)	<input 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>150 metres</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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Signature 	Telephone No. 905-646-2008
	Date (dd-mm-yyyy) 23-01-12

January 6, 2012

Fire Chief Mark Mehlenbacher
Fire & Emergency Management Services
64 Geneva Street
St. Catharines, ON L2R 4M7

Dear Chief Mehlenbacher;

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 3 North Service Road in St. Catharines.

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



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

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

8. Licence holder and local Fire Services Review

To be completed by the Local Fire Services

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

Yes

No

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

Fire services comments, if any:

To be completed by the Licence Holder

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

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

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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) 20-12-2011	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 59 m	Right side property line: 147 m
Rear: 204 m	Left side property line: 60 m
GPS coordinates of single largest vessel: Lat: 43.1776 Long: -79.2482	

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SECTION C: SUBMISSIONS (cont'd)

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

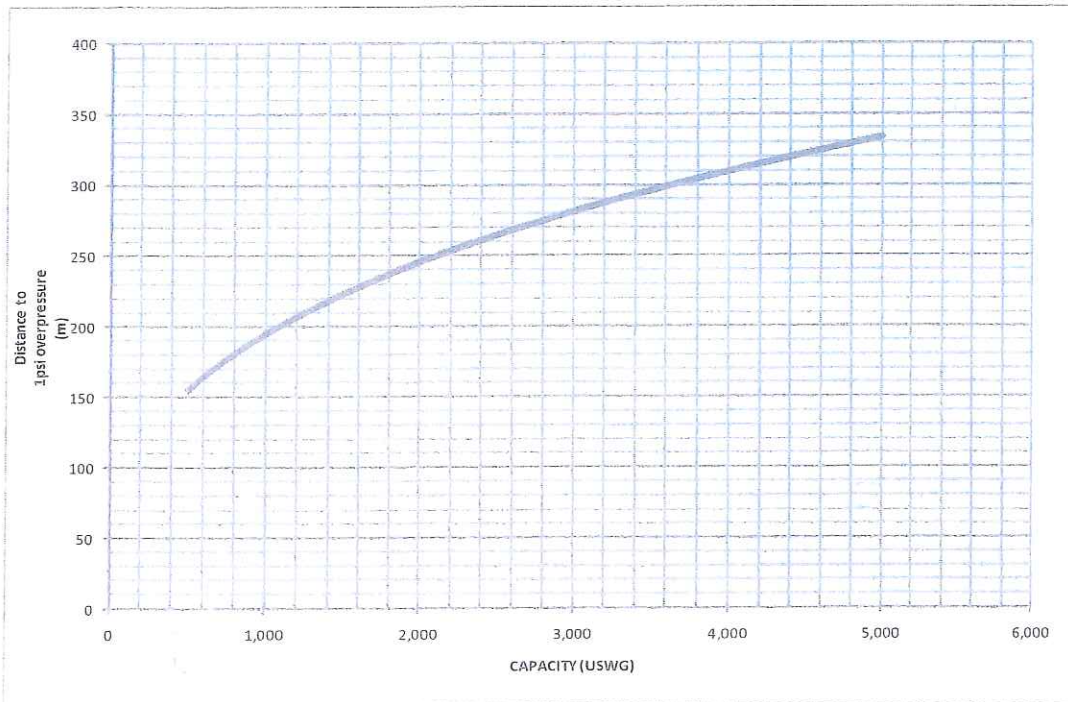
Table 1: Distance Table

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)



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>Nothing completed on this page</i>		Official Title	
Signature		Telephone No.	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>Various industrial</u> Address: <u>YMCA Drive and North Service Road</u> City: <u>St. Catharines</u> Province <u>ON</u> Postal Code _____			X		<u>75-250</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: <u>None with in 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>Various retail /restaurants within Fairview Mall; Home Depot ;Chapters; Marks Work Wearhouse</u> Address: <u>YMCA Drive and North Service Road</u> City: <u>St. Catharines</u> Province <u>ON</u> Postal Code _____				X	<u>75- 250</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: <u>Best Western Hotel and Conference Centre</u> Address: <u>North Service Road</u> City: <u>St. Catharines</u> Province <u>ON</u> Postal Code _____		X			<u>75</u> m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: <u>YMCA</u> Address: <u>YMCA Drive</u> City: <u>St. Catharines</u> Province <u>ON</u> Postal Code _____		X			<u>100</u> m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: <u>None with in Hazard Distance</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>Karen Cormier</u>	Official Title <u>Warehouse Manager</u>
Signature 	Telephone No. <u>905-646-2008</u>
	Date (dd-mm-yyyy) <u>23-01-20</u>



Technical Standards and Safety Authority
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Level 1 Risk and Safety Management Plan (RSMP)
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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		
# 100	29.5		
# 40	11.75		
# 33.3	9.62		
# 30	8.8		
# 20	5.8	72	418 USWG
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity 418 USWG			

Tanks Stored On-site Not Connected for Use

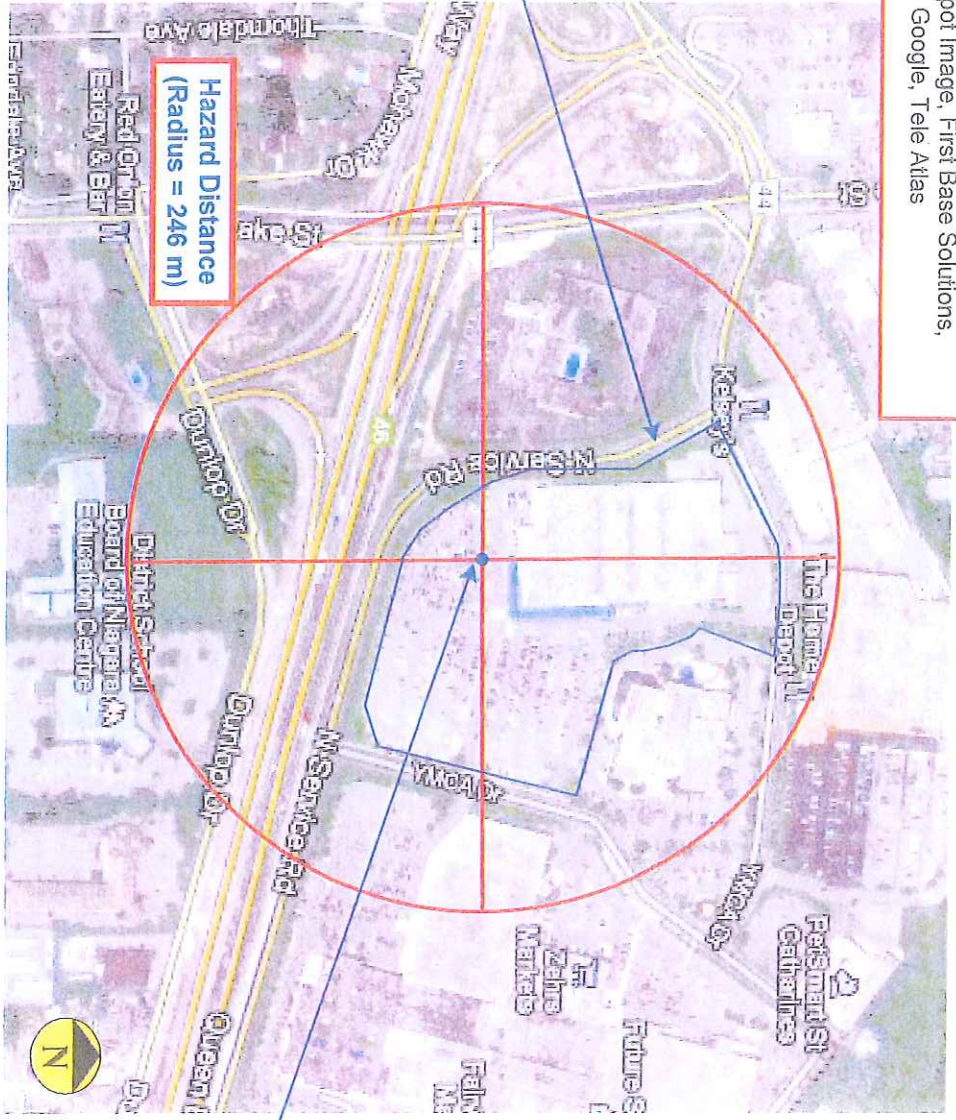
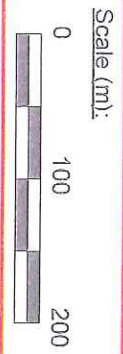
Tank Size In USWG	Quantity	Total Volume in USWG
2000 USWG	1	2000 USWG
Total Tank Capacity 2000 USWG		

Total Cylinder Capacity	418 USWG
Total Tank Capacity	2000 USWG
Total Portable Capacity	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) Karen Cormier	Official Title Warehouse Manager
Signature 	Telephone No. 905-646-2008
	Date (dd-mm-yyyy) 23-01-12

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



Site Boundary

2000 USWG Propane Tank

Hazard Distance (Radius = 246 m)



Setback Distances to Site Boundary
 North: 204 m West: 60 m
 South: 59 m East: 147 m

Capacity of Propane Storage Tank = 2000 USWG

GPS Co-ordinates of Propane Storage Tank
 GPS Co-ordinates = 43.17750, -79.24837

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 St. Catharines

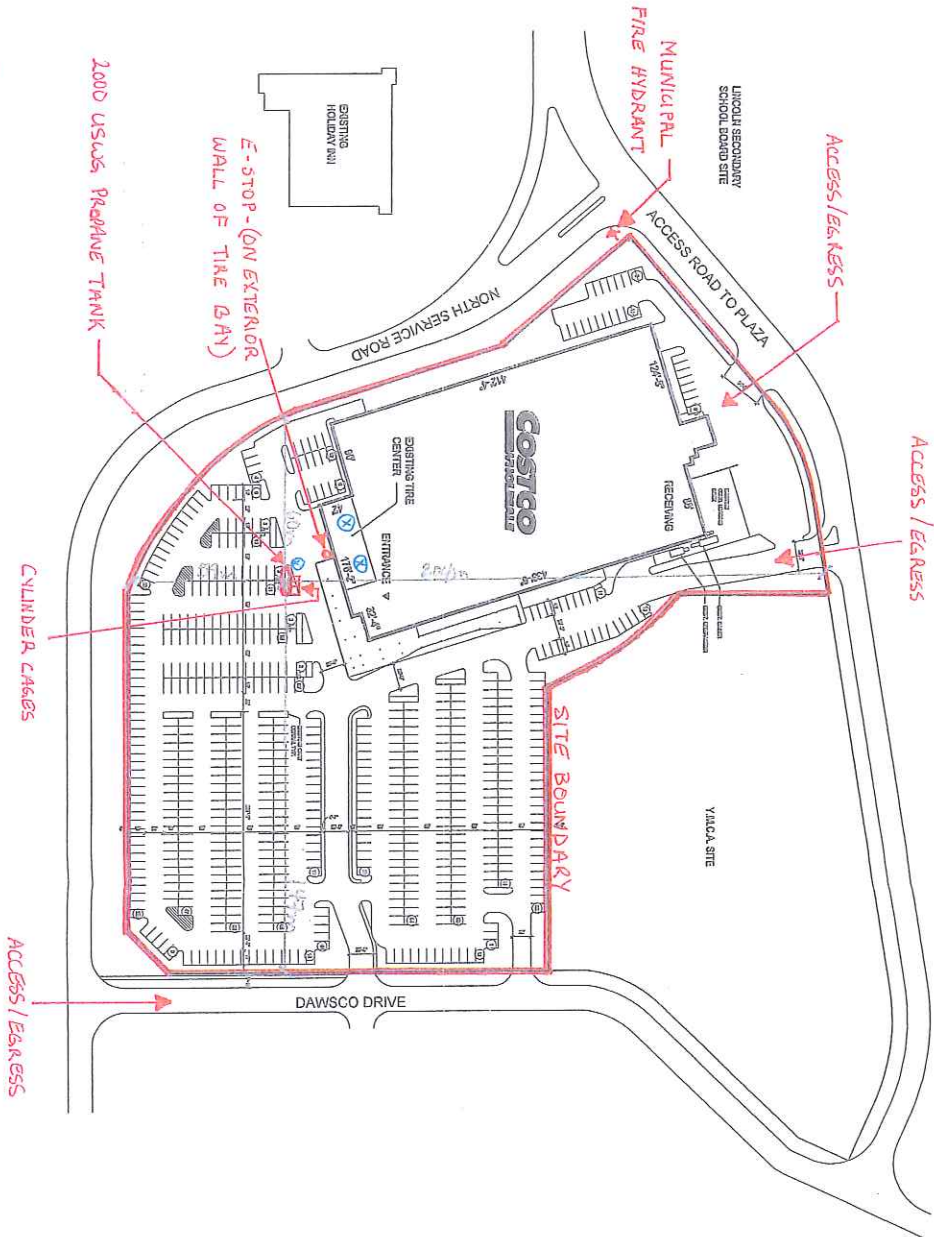
Municipal Contact
 Dan Carmegie
 City Clerk, City of St. Catharines
 50 Church Street, P.O. Box 3012
 St. Catharines, ON, L2R 7C2
 Tel: 905-688-5600 ext. 1500
 Fax: 905-682-3631
 Email: dcarmegie@stcatharines.com

Map of Surrounding Area

Costco – St. Catharines
 3 North Service Rd, St. Catharines, ON, L2N 7R1
 CON 4 PT LOT 17 PT LOT 18 RP 30R7580
 PARTS 1 2 3 4 6 7 8 9 & 10

Drawn by: L. Oliverio Date: December 20, 2011

COSTCO - ST. CATHARINES 3 NORTH SERVICE RD., ST. CATHARINES, ON, L2N 7A1



SCALE
1:1835



COSTCO WHOLESALE

DATE	DESCRIPTION
05/15/02	ISSUED FOR PERMITTING
06/12/02	REVISED PER COMMENTS
06/12/02	REVISED PER COMMENTS

EXISTING SITE PLAN

PROJECT DATA

CLIENT: COSTCO WHOLESALE
699 LAKE DRIVE
ISSAQUAH, VA, 98027

PROJECT ADDRESS: 3 NORTH SERVICE ROAD
ST. CATHARINES, ON L2N7A1

ZONING: TO BE DETERMINED

SITE AREA: 10.7 ACRES (464,019 S.F.)
TO BE DETERMINED

JURISDICTION: TO BE DETERMINED

SETBACKS: TO BE DETERMINED

BOUNDARIES: THIS PLAN HAS BEEN APPROVED BY A PRELIMINARY PERMIT PROVIDED BY A BALDASSARRA ARCHITECT INC. DATED 7-28-92.

BUILDING DATA:

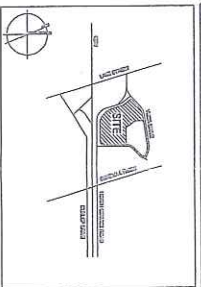
BUILDING AREA	112,628 S.F.
TOTAL BUILDING	117,201 S.F.

PARKING DATA:

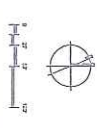
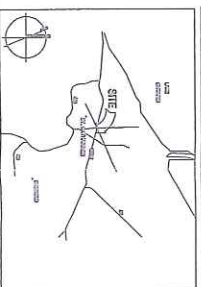
PARKING PROVIDED:	570 STALLS
① 10' WIDE STALLS	72 STALLS
② 8' WIDE STALLS	10 STALLS
③ 20' HANDICAP STALLS	630 STALLS
TOTAL PARKING	630 STALLS
NO. OF STALLS PER 1,000 S.F. OF BUILDING AREA	5.6 STALLS

NOTES:
EXISTING CONDITIONS TO BE FIELD VERIFIED.

VICINITY MAP



REGIONAL MAP



DATE: 05-15-02
DATE: JUNE 12, 2002
EXISTING SITE PLAN
EX1.1