



Technical Standards and Safety Authority
 www.tssa.org
 14th Floor - Centre Tower
 3300 Bloor Street West
 Toronto Ontario M8X 2X4
 Fax: 416.231.4078
 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: Previously 167797

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.

Intake Group
 For Office Use Only
 FEB 06 2018

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: Dufferin Construction Company Corporation No.: 110803871
 Operator Name (if different from above): _____

Telephone No.: 905-833-4666 Fax No.: _____ E-mail: robertstaples@ca.crh.com

B Street No.: 2300 Street Name / 811 Number / Address, if applicable: Steeles Avenue West, 4th Floor
 Town / City or Township / County: Concord Province: Ontario Postal Code: L4K 5X6

Mailing address if different from above: _____

C Street No.: 3300 Street Name / 811 Number / Address, if applicable: King Vaughan Road
 Town / City or Township / County: King City Province: Ontario Postal Code: L7B 1A6

Information on Container Refill Centre or Filling Plant
 Location of facility.

D Street No.: 3300 Street Name / 811 Number / Address, if applicable: King Vaughan Road Nearest Major Intersection: Jane Street and King Road
 Town / City or Township / County: City of Vaughan Province: Ontario Postal Code: L7B 1A6

Name of Licence Holder: Dufferin Construction Company

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): Robert Staples ROT type: 100-01

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

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.

Name of Licence Holder: <u>DUFFERIN CONSTR. Co.</u>	Print name: _____	Signature: <u>Robert Staples</u>	Date (dd-mm-yyyy): <u>05-12-2017</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training: <u>Robert Staples</u>	_____	_____	_____



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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.
1987

Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment.
No significant modification

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

	PSIG	Serial Number
Tank 1:	250	20082-68 CRN: B4829.65489 Y32
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: 151.52 USWG Mobile: 0 USWG

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

Name of person completing this form (please print) Robert Staples		Official Title Shop Superintendent	
Signature 		Telephone No. 905-833-4666	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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) EDPRO Energy Group Inc.		For Office Use - Party No.	
Street No. 5	Street Name / 911 Number / Address, if applicable Cuddy Blvd		
Town / City or Township / Country London		Province Ontario	Postal Code N5V 3Y3
Telephone No. 519-690-0000	Fax No. 519-690-1948	Contact Name Joe Erskine	
E-mail jerskine@edproenergy.com			

Name of Propane Transporter. If same as above, please check box. <input checked="" type="checkbox"/>		For Office Use - Party No.	
EDPRO Energy Group Inc.			
Street No. 5	Street Name / 911 Number / Address, if applicable Cuddy Blvd		
Town / City or Township / Country London		Province Ontario	Postal Code N5V 3Y3
Telephone No. 519-690-0000	Fax No. 519-690-1948	Contact Name Joe Erskine	
E-mail jerskine@edproenergy.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	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) Robert Staples	Official Title Shop Superintendent		
Signature 	Telephone No. 905-833-4666	Date (dd-mmm-yyyy) 05-12-2017	



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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.
Consumer quantities of items such as spray paint, cleaners etc.

Propane storage tanks for building heating 15,140 litre maximum capacity. Interior stored material including 10+ 205 litre drums of automotive lubricants in stockroom, welding oxygen and acetylene stored in dedicated cages

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

Fire extinguisher 20 lb. Identified on site map

Emergency shut off. Identified on site map

On-site water reservoir with dedicated pump and distribution system - Identified on Building Fire Emergency System Map.

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.

Fusible plug on nitrogen holding open ICS valve causes liquid outlet to automatically close in event of fire

Normally closed solenoid on automotive fill meter before hose closes by emergency shut off or when not in use

Internal Safety Control (ISC) valve activator lever located so cabinet can not be closed if open

Maintenance and testing schedule for fire protection controls and devices.

Fire extinguisher is inspected by outside company annually, in-house monthly

Comprehensive dispenser inspection conducted annually by G2-LP certificate holder or higher

Facility inspection by TSSA completed annually

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) Robert Staples	Official Title Shop Superintendent	
Signature 	Telephone No. 905-833-4666	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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				5. Facility 24-Hour Contact Person			
Name Robert Staples		For Office Use - Party No.		Name Robert Staples		For Office Use - Party No.	
Official Title Shop Superintendent				Official Title Shop Superintendent			
Telephone No. 905-833-4666		Fax No.		Cell No. 416-948-7358		Fax No.	
E-mail robert.staples@ca.crh.com				E-mail robert.staples@ca.crh.com			
Role and responsibilities in emergency Represents license holder on interaction with authorities and ensures regulations are met and adhered to.				Role and responsibilities in emergency Site liaison for enacting internal and external emergency procedures communication with emergency responders, suppliers and subcontractors			
2. Facility Contact Personnel - Alternate Contact				6. Name of Facility Manager			
Name Mike Bateman		For Office Use - Party No.		Name Robert Staples		For Office Use - Party No.	
Official Title Shop Foreman				Official Title Shop Superintendent			
Telephone No. 905-833-4666		Fax No.		Telephone No. 905-833-4666		Fax No.	
E-mail mike.bateman@ca.crh.com				E-mail robert.staples@ca.crh.com			
Role and responsibilities in emergency Same as key contact if other unavailable				Role and responsibilities in emergency Ensure approved procedures are followed Ensure internal emergency procedures are current and employees aware			
3. Local Fire Services - Key Contact				7. Propane Supplier Key Contact Person			
Name Darren Lynch		For Office Use - Party No.		Name Joe Erskine		For Office Use - Party No.	
Official Title Chief Fire Prevention Officer		E-mail darren.lynch@vaughan.ca		Official Title President of EDPRO Energy Group		E-mail jerskine@edproenergy.com	
Telephone No. 905-832-8531 ext.6314		Fax No.		Telephone No. 519-690-0000		Fax No.	
Role and responsibilities in emergency Review and provide guidance on fire safety, emergency response and preparedness. Interface for invitation to conduct annual site review				Role and responsibilities in emergency Technical assistance, dispatch of service technicians and specialized equipment. Activate Emergency Response Assistance Plan by LPGERC			
Fire Services Address 2141 Major Mackenzie Dr, Vaughan, On, L6A 1T1				Propane Supplier Address 5 Cuddy Blvd, London, ON, N5V 3Y3			
4. Local Fire Services - Alternate Contact				8. Municipal Contact			
Name Deryn Rizzi		For Office Use - Party No.		Name Leo Grellette		For Office Use - Party No.	
Official Title Deputy Fire Chief		E-mail deryn.rizzi@vaughan.ca		Official Title Director of Building Standards - City of Vaughan			
Telephone No. 905-832-8531 ext.6305		Fax No. 519-752-7083		Telephone No. 905-832-8510		Fax No.	
Role and responsibilities in emergency Same as Fire Services - Key Contact				E-mail leo.grellette@vaughan.ca			
Fire Services Address 2141 Major Mackenzie Dr, Vaughan, On, L6A 1T1				Municipality Name and Address 2141 Major Mackenzie Dr, Vaughan, On, L6A 1T1			

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) Robert Staples		Official Title Shop Superintendent	
Signature 		Telephone No. 905-833-4666	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
Customer Service: 1.877.682.8772

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

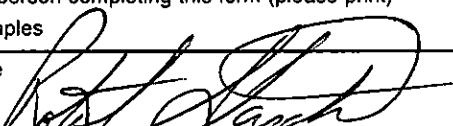
SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

2. Additional Safety Measures

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

Limited scope of filling, Only Canpar owned vehicles are filled; no pilot equipped vehicles (motor homes, catering trucks) will refuel

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) Robert Staples		Official Title Shop Superintendent	
Signature 		Telephone No. 905-833-4666	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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-mmm-yyyy) Prior to activation	Print Name of Training Provider: EDPRO Energy Group Inc.
	Print Name of Instructor: Robert Allen - PTI License T2164
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Training Date (dd-mmm-yyyy) Prior to activation	Print Name of Training Provider: EDPRO Energy Group Inc.
	Print Name of Instructor: Robert Allen - PTI License T2164
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Training Date (dd-mmm-yyyy) Prior to activation	Print Name of Training Provider: EDPRO Energy Group Inc.
	Print Name of Instructor: Robert Allen - PTI License T2164
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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) Robert Staples	Official Title Shop Superintendent
Signature 	Telephone No. 905-833-4666
	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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-mmm-yyyy)	Print Name of Training Provider: EDPRO Energy Group Inc.
To be established at activation	Print Name of Instructor: Robert Allen - PTI License T2164
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Target Date (dd-mmm-yyyy)	Print Name of Training Provider: EDPRO Energy Group Inc.
To be established at activation	Print Name of Instructor: Robert Allen - PTI License T2164
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Target Date (dd-mmm-yyyy)	Print Name of Training Provider: EDPRO Energy Group Inc.
To be established at activation	Print Name of Instructor: Robert Allen - PTI License T2164
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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
Robert Staples	Shop Superintendent
Signature	Telephone No.
	905-833-4666
	Date (dd-mmm-yyyy)
	05-12-2017



Technical Standards and Safety Authority
www.tssa.org

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: 416.734.3300
Fax: 416.231.4078
Customer Service: 1.877.682.8772

Application for Renewal of Level 1 Propane Licence
Technical Standards and Safety Act
Propane Storage and Handling Regulation

EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

The licence holder will complete the Emergency and Preparedness Response Plan in consultation with the local Fire Services.
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).

In the event of a fire/significant propane leak the operator will activate the Emergency Stop control on the dispenser and/or vehicle

The operator will contact the Emergency Fire Services by calling 9-1-1 and initiate facility evacuation

Fire Services will oversee localized evacuation of employees, customers and any others to the identified evacuation point

Facility Contact will contact propane Supplier Key Contact who will activate ERAP (if necessary) and report to TSSA through Spills Action Centre

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 operator, after activating the Emergency Stop controls will orally notify any other employees or visitors on-site to evacuate then call 9-1-1

All employees and visitors (customers) will immediately vacate the building and premises and will evacuate to the pump house on the west side of

parking lot. Employees from Scott Woods Trucking and the Dufferin Construction Asphalt lab on the East side of property will exit through the East man gate marked as "Emergency Exit"

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).

All employees instructed to and authorized to activate emergency response authorities by calling 9-1-1 upon occurrence of fire and/or significant leak

Continued flow of information to be provided as it occurs by person of responsibility to the fire services

In the event of an emergency, the site manager is required to be present to provide updated information

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

Yard is secured and gated. A Knox box installed at the main entrance gates located on King Vaughan Road South entrance.

Fire services are formally invited for a full site review on an annual basis with supplementary site access for training or orientation as requested

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

Fire services are formally invited for a full site review on an annual basis with supplementary site access for training or orientation as requested

TSSA conducts a comprehensive inspection annually. Site specific emergency procedures are reviewed annually with all employees

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

24 Hour Facility Alternate Contact Person Mike Bateman will be able to respond to site in approximately 40 minutes. Dale Mac Phee will arrive in 30 minutes

You are required by law to notify TSSA of any change of information contained in the Risk and Safety Management Plan within 15 days.

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 of person completing this form.

Dale Mac Phee

Official Title

Head Dispatcher

Signature

D. Mac Phee

Telephone No.

905-833-4666

Date (dd-mmm-yyyy)

6-2-2019



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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 type="checkbox"/>	<input checked="" 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)		167 m
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)		167 m

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) Robert Staples	Official Title Shop Superintendent	
Signature 	Telephone No. 905-833-4666	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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 checked="" 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-mmm-yyyy)		

LOCAL FIRE SERVICES		
The undersigned has reviewed Section B of the Risk and Safety Management Plan Fire Services.		
Print name	Signature	Date (dd-mmm-yyyy)
Local Fire Services Name		

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) Robert Staples	Official Title Shop Superintendent	
Signature 	Telephone No. 905-833-4666	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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-mmm-yyyy) 30-AUG-2017	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 95 m (312 ft)	Right side property line: 43.5 m (143 ft)
Rear: 3.4 m (11 ft)	Left side property line: 78.3 m (257 ft)
GPS coordinates of single largest vessel: 43° 9'15.79"N; 80°12'38.01"W	

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) Robert Staples	Official Title Shop Superintendent
Signature 	Telephone No. 905-833-4666
	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
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

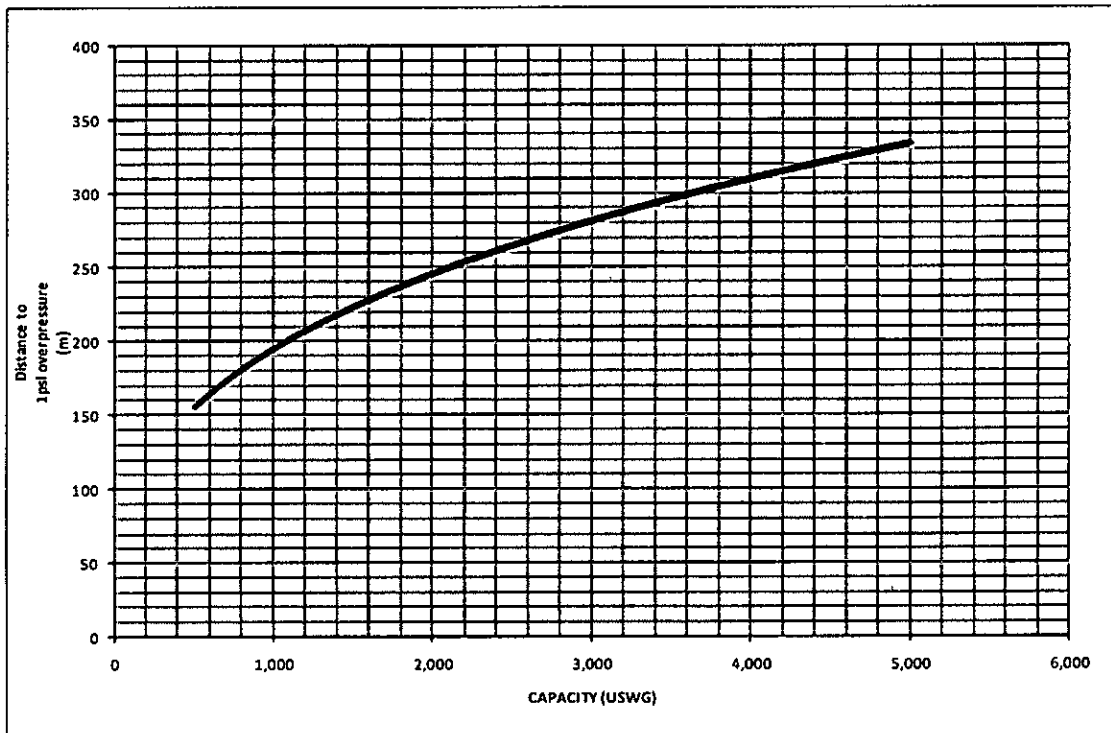
Table 1: Distance Table

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: 416.231.4078
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>Dufferin Construction</u> Address: <u>3300 King Vaughan Rd</u> City: <u>King City</u> Province <u>Ontario</u> Postal Code <u>L7B 1B2</u>			X		<u>30</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: [REDACTED] Address: [REDACTED] City: [REDACTED]		x			<u>215</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____					_____ m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____					_____ m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____					_____ m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____					_____ 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) Robert Staples	Official Title Shop Superintendent
Signature 	Telephone No. 905-833-4666
	Date (dd-mmm-yyyy) 05-12-2017



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4078
Customer Service: 1.877.682.8772

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

WORKSHEET

Portable Storage Additional Information Worksheet

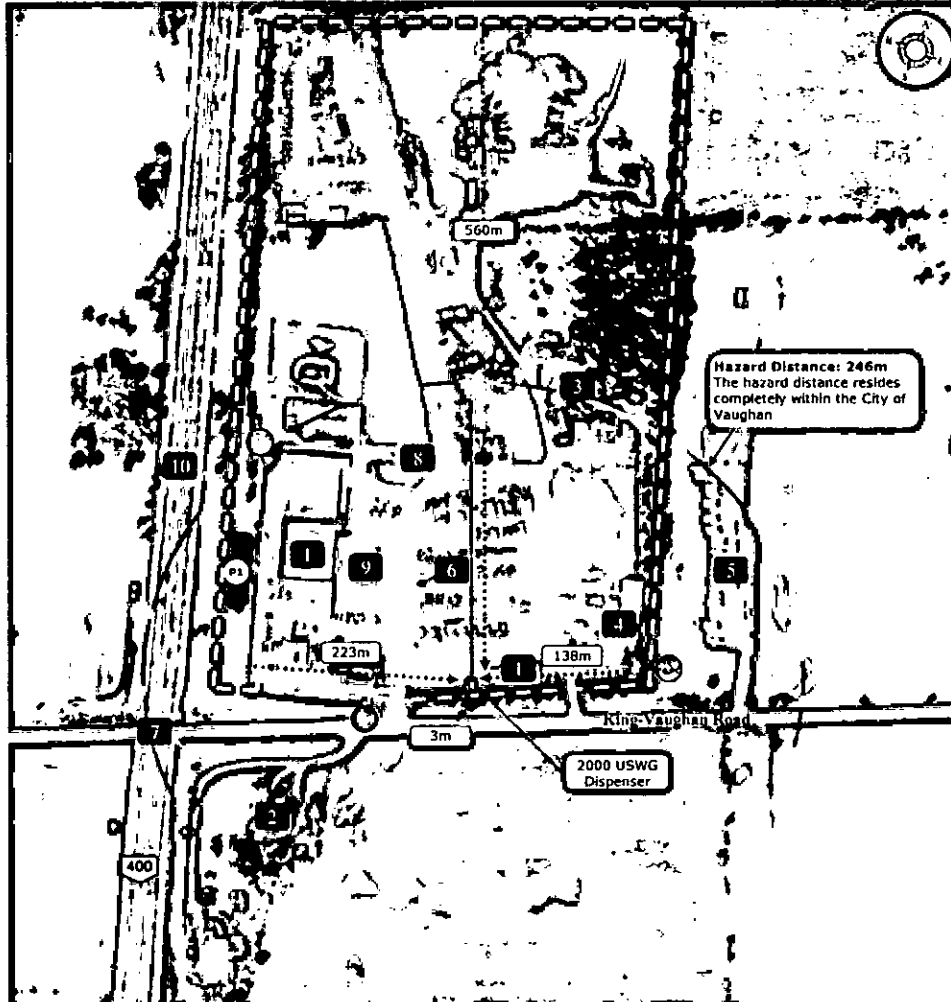
Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9	0	0
# 100	29.5	0	0
# 40	11.75	0	0
# 33.3	9.62	0	0
# 30	8.8	0	0
# 20	5.8	0	0
# 10	2.9	0	0
# 5	1.5	0	0
Total Cylinder Capacity 0			

Tanks Stored On-site Not Connected for Use

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

Total Cylinder Capacity	0
Total Tank Capacity	2000 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	0

**Dufferin Construction
Level 1 Propane Risk and Safety Management Plan
Map of Surrounding Area**





Dufferin Construction
Lot 1 Concession 5
3300 King Vaughan Road
King City, ON
L7B 1B2

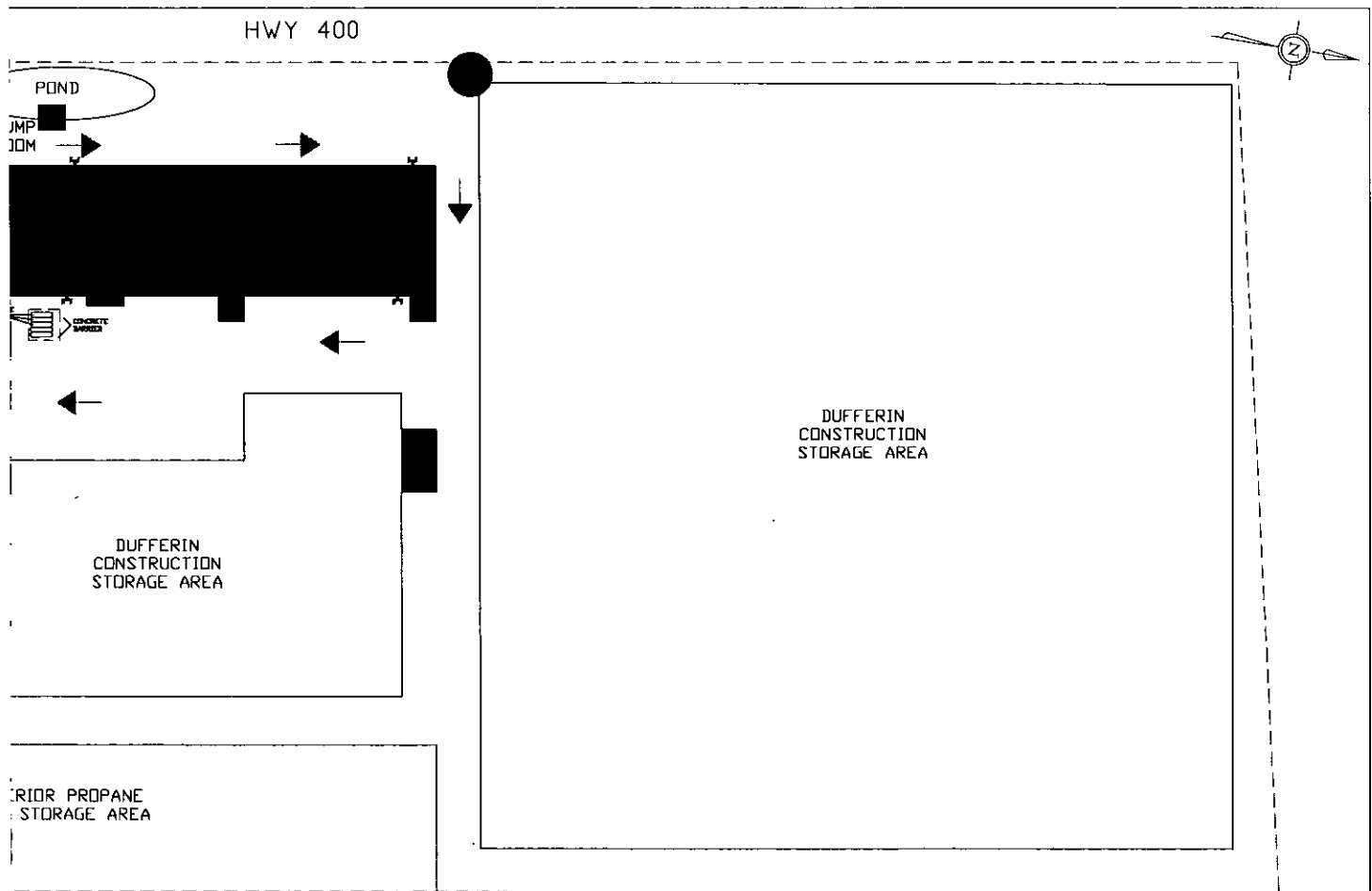
GPS: 43°54'12.07N, 79°33'31.40"W

City of Vaughan
Tod Coles, Deputy City Clerk – City of Vaughan
(905) 832-8585
Tod.Coles@vaughan.ca
City of Vaughan Civic Center
2141 Major Mackenzie Drive
Vaughan, ON
L6A 1T1

Critical Infrastructure

- 1** Dufferin Construction
- 2** Residential (House)
- 3** Cellular Tower
- 4** Scott Woods Trucking
- 5** School Bus Parking Area
- 6** Dufferin Truck Storage
- 7** King-Vaughan Road Bridge
- 8** Quonset Hut
- 9** Propane Tanks For Heating
- 10** Highway 400

Pond distance to tank:	Personnel Evacuation Point:
 200m	



Y SHUTOFF
 NGUISHER
 L EVACUATION
 E
 CONNECTION

2	2010/09/07	Updated Diner to Dufferin	J.P.	J.E.
1	2011/02/17	Addressed Vaughan Emergency Services Comments	DA	SW
No.	DATE	REVISION	BY	APP'D
EDPRO ENERGY GROUP INC.				
Title DUFFERIN DISPENSER SITE PLAN				
REFERENCE -				
Location 3300 KING VAUGHAN ROAD, KING CITY, ONTARIO				
SCALE-	NTS	WORK ORDER No.	DRAWING No.	
DATE-	February 15, 2011	JRS11044	SP - DUFFERIN REV. 2	
DRN-DA	CHK-BA	APP-JE		