



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

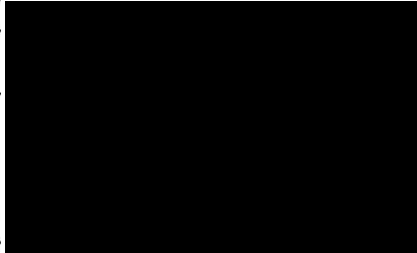
Failure to fully complete this form may result in rejection.
Making a false statement may result in a fine or prosecution under the *Technical Standards and Safety Act*

Licence Number 000150631

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 SIVACO WIRE GROUP 2004 LP Ontario Corporation No., if applicable

Operator Name (if different from above)

Telephone No. 519-485-4150 Fax No. 519-425-1139 E-mail courage@sivaco.com

B Street No. 330 Street Name / 911 Number / Address, if applicable THOMAS STREET, P.O. BOX 220

Town / City or Township / County INGERSOLL Province ONTARIO Postal Code N5C 3K5

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. 330 Street Name / 911 Number / Address, if applicable THOMAS STREET Nearest Major Intersection INGERSOLL ST. S. & THOMAS ST.

Town / City or Township / County INGERSOLL Province ONTARIO Postal Code N5C 3K5

Name of Licence Holder SIVACO WIRE GROUP 2004 LP

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT). NORMAN COURAGE ROT type P.T.I. 400-04

Municipality (or municipalities if the facility or its hazard distance touches multiple borders) TOWN OF INGERSOLL

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>SIVACO SIRE GROUP 2004 LP</u>		<u>July 15, 2011</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>NORMAN COURAGE</u>		



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SECTION A: GENERAL INFORMATION (cont'd)

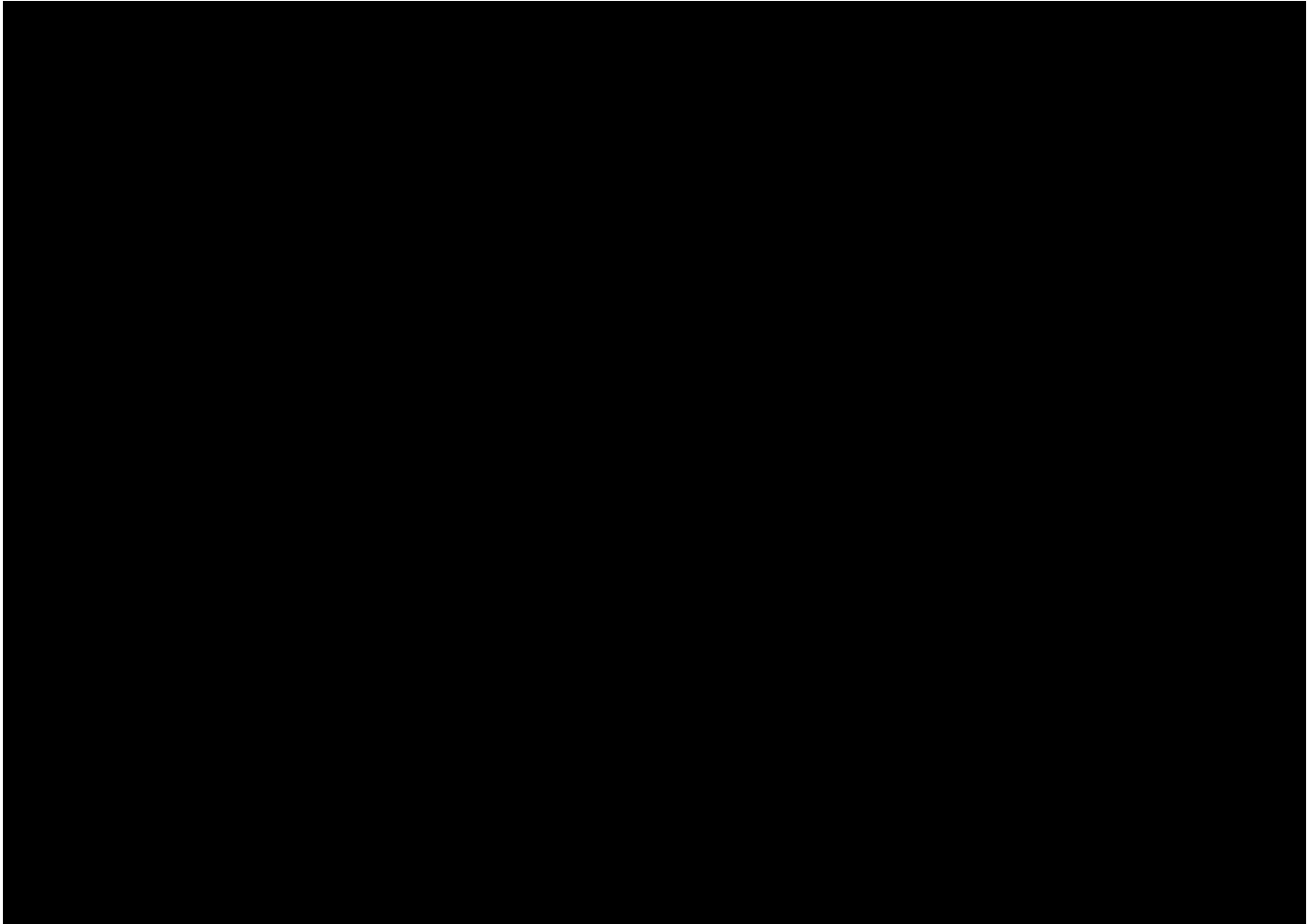
Indicate the year the facility was established. 1999 Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. None

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

	PSIG	Serial Number
Tank 1:	<u>250</u>	<u>5.560445</u>
Tank 2:	_____	_____
Tank 3:	_____	_____

Enter capacity of propane in USWG, fixed, portable, and mobile, and provide detailed inventory that includes the number of tank/vessel for each type (fixed, portable, and mobile) and the capacity of each tank/vessel, on a separate document.

Fixed: 1885 USWG Portable: 128.22 USWG Mobile: 0



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Name of person completing this form (please print) <u>NORMAN COURAGE</u>	Official Title <u>PROCESS MANAGER/HEALTH & SAFETY CO-ORDINATOR</u>
Signature <i>Norman Courage</i>	Telephone No. <u>519-485-4150</u> Date (dd-mm-yyyy) <u>Jul 15, 2011</u>



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SECTION A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s) EDPRO ENERGY GROUP INC.			
Street No. 520	Street Name / 911 Number / Address, if applicable SOVEREIGN ROAD		
Town / City or Township / Country LONDON		Province ONTARIO	Postal Code N5V 4K4
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. 520	Street Name / 911 Number / Address, if applicable SOVEREIGN ROAD		
Town / City or Township / Country LONDON		Province ONTARIO	Postal Code N5V 4K4
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		Capacity stored off-site, in USWG	For Office Use - Party No.
NONE			
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.

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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.

Lime and borax chemical storage; nitrogen generation plant; ferrous sulphate

4400 liters of diesel; 22000 liters of hydrochloric acid; 12800 liters of propylene, 25000 liters of sulphuric acid

Consumer quantities of items such as spray paint, cleaners

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

Fire extinguisher - Identified on site plan

Emergency shut-off - Identified on site plan

Municipal fire hydrant - Identified on site plan

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.

Internal Safety Control (ISC) valve activator

Fusible link on the actuator holding open ISC valve causes liquid outlet to automatically close in the event of fire

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

Normally closed solenoid valves on cylinder fill before hose closes by emergency shut-off or closed when not in use

Maintenance and testing schedule for fire protection controls and devices.

Fire extinguisher is inspected by outside company annually

Fire extinguisher inspected in-house monthly

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

Facility inspection by TSSA completed annually

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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 NORMAN COURAGE	For Office Use - Party No.	Name NORMAN COURAGE	For Office Use - Party No.
Official Title PROCESS MANAGER/HEALTH & SAFETY CO-ORDINATOR		Official Title PROCESS MANAGER/HEALTH & SAFETY CO-ORDINATOR	
Telephone No. 519-485-4150	Fax No. 519-425-1135	Cell No. 519-636-3842	Fax No. 519-425-1135
E-mail courage@sivaco.com		E-mail courage@sivaco.com	
Role and responsibilities in emergency Represent licence holder/operator on interaction with authorities Ensure regulations are met		Role and responsibilities in emergency Site liaison for enacting internal and external emergency procedures Communication with emergency responders, supplier and subcontractors	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Lawrence Pye	For Office Use - Party No.	Name Bill Stevens	For Office Use - Party No.
Official Title Operations manager		Official Title Senior Process Manager	
Telephone No. 519-485-2900	Fax No.	Telephone No. 519-539-7995	Cell: 519-536-3624 Fax No.
E-mail Cell: 519-535-1957		E-mail	
Role and responsibilities in emergency Facility 24 Hr Contact in 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 Darell Parker	For Office Use - Party No.	Name JOE ERSKINE	For Office Use - Party No.
Official Title Fire Chief		Official Title CEO	
Telephone No. 519-485-3910	Fax No. 519-485-6848	Telephone No. (519) 690-0000	Fax No. (519) 690-1948
E-mail dparker@ingersoll.ca		E-mail jerskine@edproenergy.com	
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 technician and specialized equipment Activate Emergency Response Assistance Plan by LPGERC	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Don Wright	For Office Use - Party No.	Name	
Official Title Deputy Fire Chief		Official Title Town Clerk	
Telephone No. 519-485-3910	Fax No. 519-485-6848	Telephone No. 519-485-0120	Fax No. 519-485-3543
E-mail dwright@ingersoll.ca		E-mail clerks@ingersoll.ca	
Role and responsibilities in emergency Review and provide guidance on fire safety, emergency response and preparedness as approved by Fire Chief Official.		Municipality The Corporation of the Town Of Ingersoll	

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Signature 	Telephone No. 519-485-4150
	Date (dd-mm-yyyy) Jul 15, 2011



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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.

1 Controlled access

No retail activity; access to facility controlled with no unauthorized vehicles permitted anywhere near propane transfer facility.

2 Keyed control switch

In order to operate propane filling system and operator requires a key; prevents any unauthorized use.

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Signature <i>Norman Courage</i>	Telephone No. 519-485-4150
	Date (dd-mm-yyyy) <i>July 15, 2001</i>



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

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

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

Training Date (dd-mm-yyyy) 03-06-2010	Print Name of Training Provider: EDPRO ENERGY GROUP INC.
	Print Name of Instructor: JOE ERSKINE
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) 03-06-2010	Print Name of Training Provider: EDPRO ENERGY GROUP INC.
	Print Name of Instructor: JOE ERSKINE
Training Date (dd-mm-yyyy) 03-06-2010	Print Name of Training Provider: EDPRO ENERGY GROUP INC.
	Print Name of Instructor: BRENT CARPENTER
Training Date (dd-mm-yyyy) 05-05-2011	Print Name of Training Provider: SIVACO WIRE GROUP 2004 LP
	Print Name of Instructor: NORMAN COURAGE

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

Training Date (dd-mm-yyyy) 09-07-2008	Print Name of Training Provider: PROPANE TRAINING INSTITUTE
	Print Name of Instructor: PAUL KENDALL
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

4. Emergency Training Plan for Coming Year

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

Target Date (dd-mm-yyyy) 20-06-2011	Print Name of Training Provider: EDPRO ENERGY GROUP INC.
	Print Name of Instructor: JOE ERSKINE
Target Date (dd-mm-yyyy) 01-07-2011	Print Name of Training Provider: SIVACO ONTARIO
	Print Name of Instructor: NORMAN COURAGE
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Target Date (dd-mm-yyyy) 05-05-2012	Print Name of Training Provider: SIVACO WIRE GROUP 2004 LP
	Print Name of Instructor: NORMAN COURAGE
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) 01-07-2011	Print Name of Training Provider: PROPANE TRAINING INSTITUTE
	Print Name of Instructor: NORMAN COURAGE
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).

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

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

Fire Services will oversee public notification and/or evacuation

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, immediately after activating the Emergency Stop control, will orally notify any other employees and visitors on site to evacuate, then call 9-1-1

All employees and visitors will immediately vacate the building and premises to evacuation point (indicated on site plan)

and await direction from 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).

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

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

The west access gate remains open during business hours. During non-business hours onsite security personnel are available to open gate

The east access gate remains locked at all times but would be opened by either supervisory staff or security personnel

Information for the Fire Dept. are available in the locked box at the front of the building by the shipping entrance

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

Emergency 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.

Facility 24 Hour Contact and Facility Manager would be able to respond to site in 15 minutes

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

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

6. Building and Site Security and Procedures

	Yes	No
1. Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is there adequate night lighting at the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Are there procedures that capture and record the daily inspection of hoses and inspection requirements for filling systems and mechanical devices used in the transfer of propane?	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
7. Are storage areas clearly marked with the vessels' capacity status (i.e., filled, empty, purged and other hazardous materials)?	<input 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>160 m</u>	
4. What is the unobstructed distance to the closest approved water supply with year round access if there are no hydrants? (distance in metres only)	<u>N/A</u>	

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

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

8. Licence holder and local Fire Services Review

To be completed by the Local Fire Services

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

Yes

No

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

Fire services comments, if any:

i) Re page 9 1st section and 2nd section refer to 'significant leak'. What is 'significant'? ii) Re page 10 item 4, is there not a way to capture and record daily hose inspections. It would be to Sivaco's advantage to have records in event of an incident. iii) Re page 10 item 7, would it not be a good idea to have cylinder storage areas marked with cylinder status? iv) Re page 14 and referencing map, would it not be appropriate to show Independent Grocer?

To be completed by the Licence Holder

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

i) Frequently small leaks are encountered that require immediate attention but do call for enacting the emergency action plan; 'significant' in this instance would be leaks with the likelihood or potential to cause fire. ii) Procedures call for the hose to be visually examined each time used and formally inspected by certified technician annually. iii) All cylinders should be assumed full. iv) TSSA guidelines call only to identify the closest, not the most 'critical' receptor.

The licence holder will respond to the Local Fire Services comments by: _____ July 15, 2011.

(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 DARELL PARKER		20 07 11

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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) 22-06-2011	Capacity of single largest propane storage vessel (USWG) 1885 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: <u>100m</u>	Right side property line: <u>198m</u>
Rear: <u>77m</u>	Left side property line: <u>80m</u>
GPS coordinates of single largest vessel: <u>43°01'49.77"N, 80°53'29.04"W</u>	

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SECTION C: SUBMISSIONS (cont'd)

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

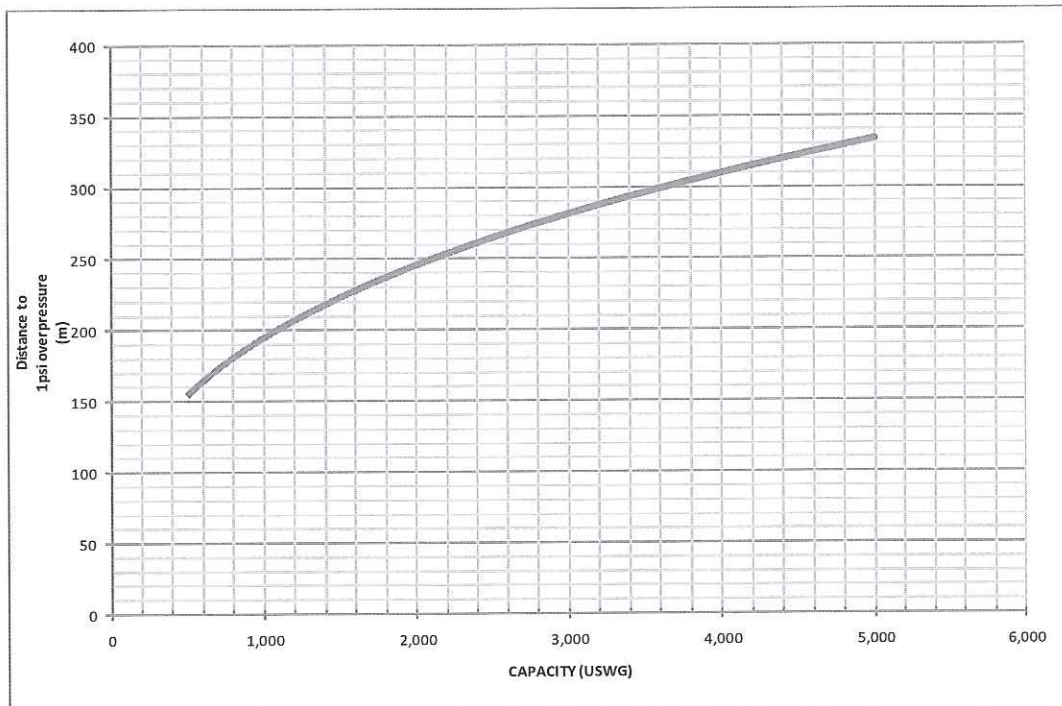
Table 1: Distance Table

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) NORMAN COURAGE	Official Title PROCESS MANAGER/HEALTH & SAFETY CO-ORDINATOR
Signature <i>Norman Courage</i>	Telephone No. 519-485-4150
	Date (dd-mm-yyyy) <i>July 15, 2011</i>



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X2X4
Fax: 416.231.4903
Customer Service: 1.877.682.8772

Level 1 Risk and Safety Management Plan (RSMP)
Technical Standards and Safety Act
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SECTION C: SUBMISSIONS (cont'd)

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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>Ingersoll Paper Box Co. Ltd.</u> Address: <u>327 King St. West</u> City: <u>Ingersoll</u> Province <u>Ontario</u> Postal Code <u>N5C 2K9</u>			X		<u>157</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. [Redacted]			X		<u>125</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Universal Printing</u> Address: <u>160 Whiting Street</u> City: <u>Ingersoll</u> Province <u>Ontario</u> Postal Code <u>N5C 3B3</u>			X		<u>98</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m

* For multi-unit buildings, count each unit as "1".

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SECTION C: SUBMISSIONS (cont'd)

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Portable Storage Additional Information Sheet

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9	0	0
# 100	29.5	0	0
# 40	11.75	6	70.50 USWG
# 33.3	9.62	6	57.72 USWG
# 30	8.8	0	0
# 20	5.8	0	0
# 10	2.9	0	0
# 5	1.5	0	0
Total Cylinder Capacity			128.22 USWG

Tanks Stored On-site Not Connected for Use

Tank Size In USWG	Quantity	Total Volume in USWG
NONE	0	0
Total Tank Capacity		0

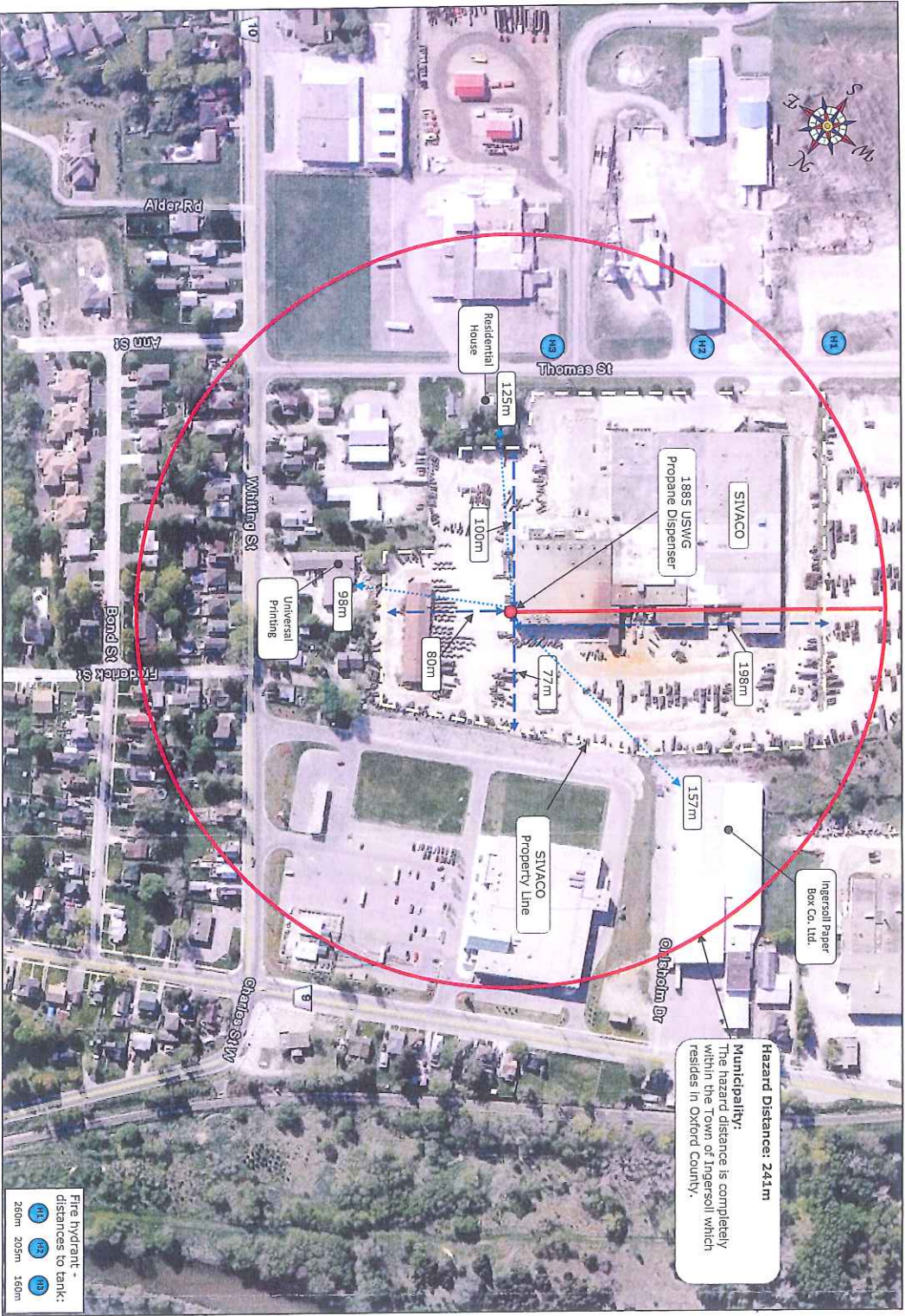
Total Cylinder Capacity	128.22 USWG
Total Tank Capacity	1885 USWG
Total Portable Capacity	0

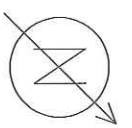
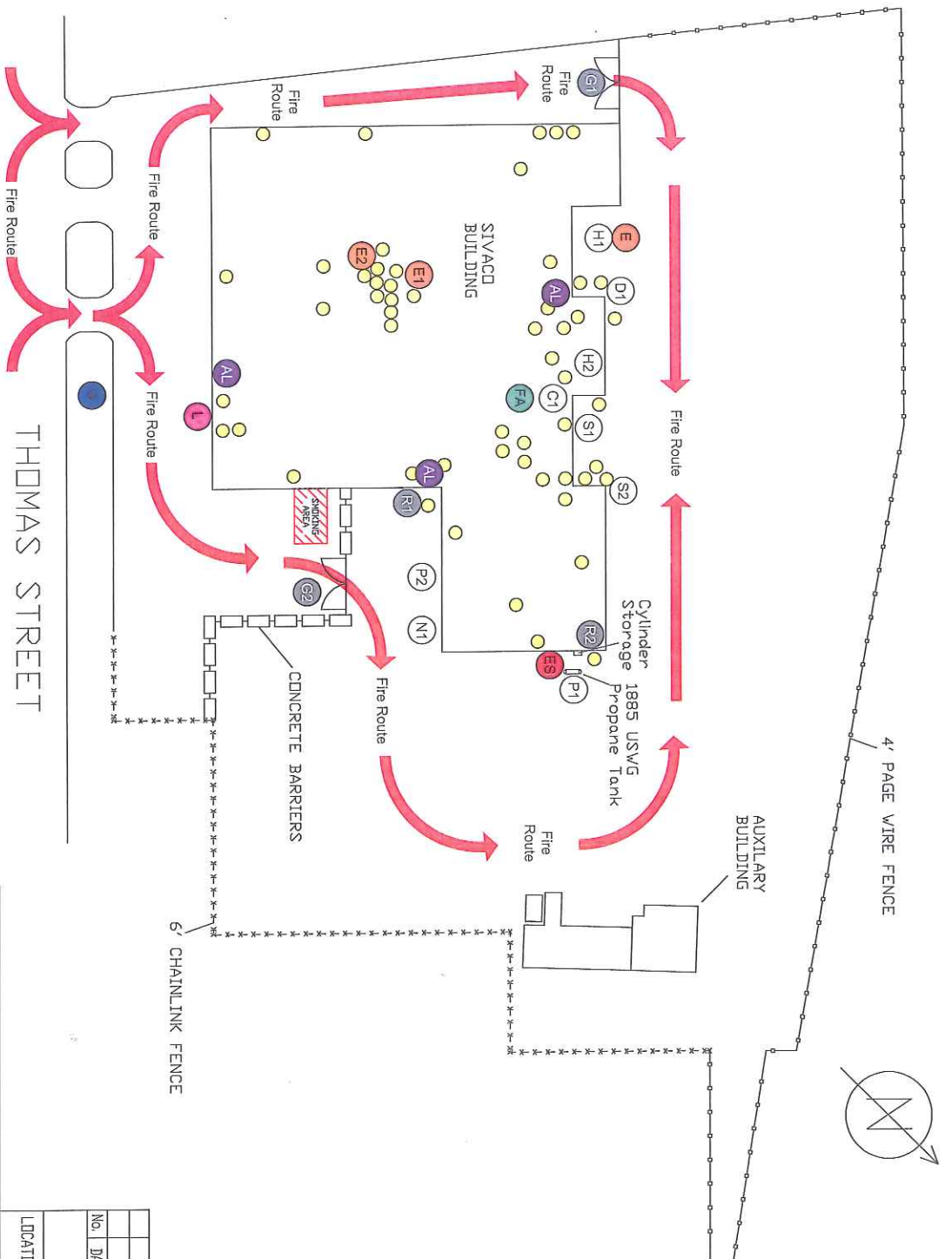
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Signature <i>Norman Courage</i>	Telephone No. 519-485-4150
	Date (dd-mm-yyyy) <i>Jul 15, 2011</i>

SIVACO Level 1 Propane Risk and Safety Management Plan

Map of Surrounding Area





LEGEND

- (ES) EMERGENCY SHUTOFF (PROPANE)
- (E) FIRE EXTINGUISHER
- (FA) FIRST AID / EYE WASH STATION
- (L) PERSONNEL EVACUATION POINT
- (E) MAIN ELECTRICAL SHUTOFF
- (E1) ELECTRICAL SUBSTATION No. 1
- (E2) ELECTRICAL SUBSTATION No. 2
- (L) FIRE DEPARTMENT LOCK BOX
- (H) HYDRANT
- (AL) FIRE ALARM ACTIVATION BUTTON
- (G1) GATE - AUTOMATED
- (G2) GATE - PADLOCKED
- (R1) ROOF ACCESS POINT - OUTSIDE
- (R2) ROOF ACCESS POINT - INSIDE
- (C1) CHEMICAL STORAGE - LIME/BORAX
- (D1) DIESEL STORAGE - 4400L
- (H1) HYDRO TRANSFORMER/SUBSTATION
- (H2) HYDROCHLORIC ACID - 22000L
- (N1) NITROGEN GENERATION PLANT
- (P1) PROPANE DISPENSER - 5700L
- (P2) PROPYLENE STORAGE - 2x6400L
- (S1) SULPHURIC ACID - 25000L
- (S2) FERROUS SULPHATE STORAGE

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PROPRIETARY NOTICE

No.	DATE	REVISION	BY	APP'D
<i>EDPRD</i>				
LOCATION		DUNFORD		
SIVACD DUNFORD, 330 Thomas St, Ingersoll				
TITLE Facility Site Plan				
SCALE-	NIS	WORK ORDER No.		DRAWING No.
DATE-	2011-06-22	-		SP - SIVACD
DRW: DA	CHKD: JE	APPD: MC		

260m FROM (P1) 205m FROM (P1) 160m FROM (P1)

THOMAS STREET

Fire Route

Fire Route

Fire Route

Fire Route

Fire Route

Fire Route

Fire Route

Fire Route

Fire Route

Fire Route

Fire Route