



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*  
 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.

<p style="text-align: center;">Failure to fully complete this form may result in rejection.          Making a false statement may result in a fine or prosecution          under the <i>Technical Standards and Safety Act</i></p> <p>Licence Number <input type="text" value="000157011"/></p> <p>Check applicable type of propane operations.</p> <p> <input checked="" type="checkbox"/> Cylinder            <input type="checkbox"/> Motor Fill            <input type="checkbox"/> Filling Plant            <input type="checkbox"/> Card/Keylock       </p> <p>Submit along with this completed application a Facility Site Plan and a Map of the Surrounding Area.</p>	<p style="text-align: center;"><b>For Office Use Only</b></p> <div style="background-color: black; width: 100%; height: 100%;"></div>
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**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	Ontario Corporation No., if applicable	
<b>A</b> <u>Accuride Canada Incorporated</u>	<u>690914</u>	
Operator Name (if different from above)		
Telephone No.	Fax No.	E-mail
<u>519-453-0880</u>	<u>519-453-4578</u>	<u>Corporate Communications: pr@accuridecorp.com</u>
<b>B</b> Street No.	Street Name / 911 Number / Address, if applicable	
<u>31 Firestone Blvd.</u>		
Town / City or Township / County	Province	Postal Code
<u>London</u>	<u>Ontario</u>	<u>N5W 6E6</u>
Mailing address if different from above.		
<b>C</b> Street No.	Street Name / 911 Number / Address, if applicable	
Town / City or Township / County	Province	Postal Code

<b>Information on Container Refill Centre or Filling Plant</b>		
Location of facility.		
Street No.	Street Name / 911 Number / Address, if applicable	Nearest Major Intersection
<b>D</b> <u>31</u>	<u>Firestone Blvd.</u>	<u>Firestone Blvd and Clarke Side Road</u>
Town / City or Township / County	Province	Postal Code
<u>London</u>	<u>Ontario</u>	<u>N5W 6E6</u>

Name of Licence Holder	
<u>Accuride Canada</u>	
Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT).	ROT type
<u>Leigh Wright</u>	<u>PGAC 400-4 Filling Propane Cyl.</u>
Municipality (or municipalities if the facility or its hazard distance touches multiple borders)	
<u>London</u>	
Hours of operation.	<div style="background-color: black; width: 100%; height: 50px;"></div>

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.**

Printname	Signature	Date (dd-mm-yyyy)
Name of Licence Holder <u>Accuride Canada</u>		<u>07/06/2011</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>Leigh Wright</u>		



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

**SECTION A: GENERAL INFORMATION (cont'd)**

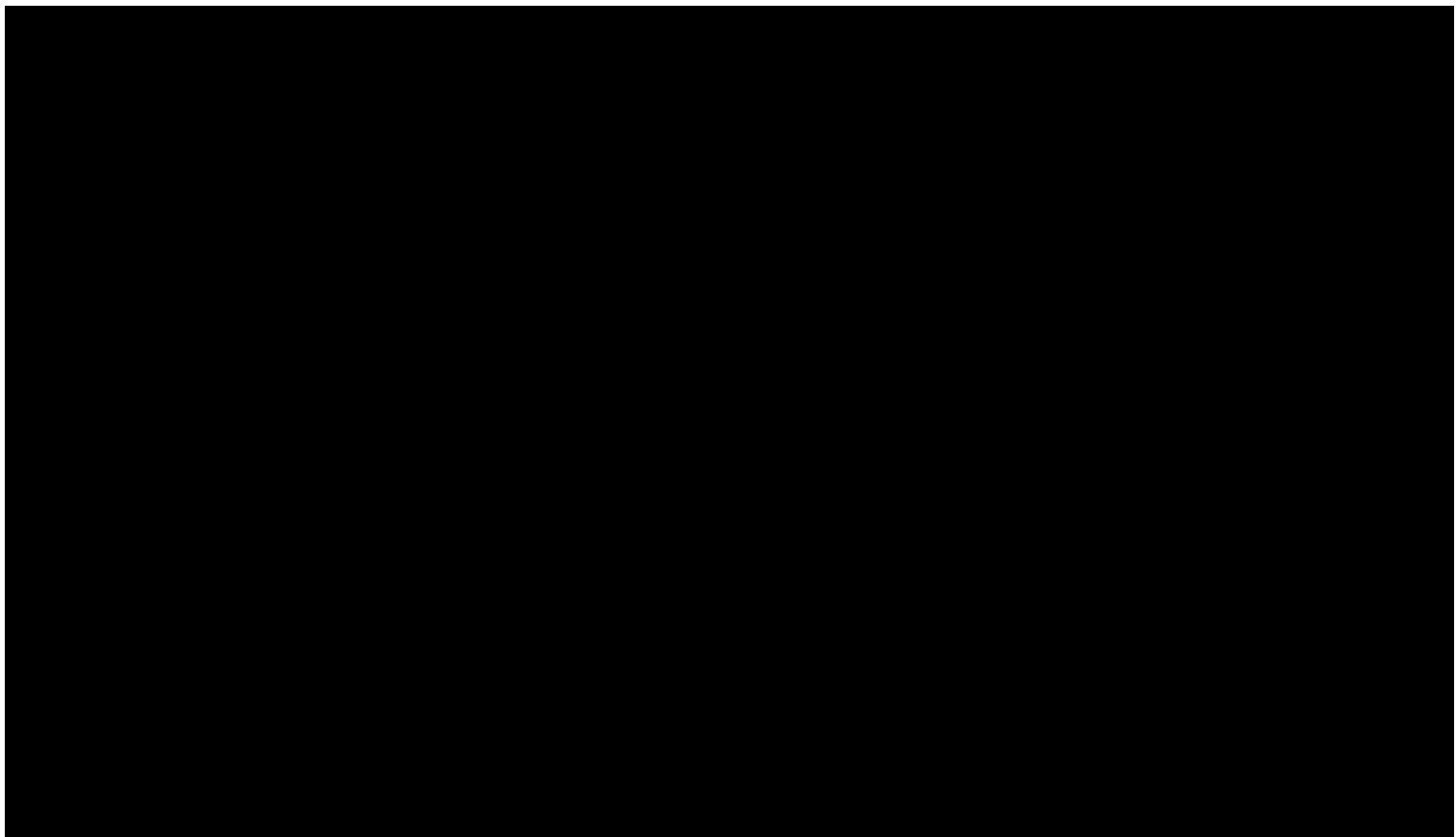
Indicate the year the facility was established. 1968      Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. 2009

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

	PSIG	Serial Number
Tank 1:	<u>500</u>	<u>116054</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: 2000      Portable: 286.76      Mobile: \_\_\_\_\_



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Name of person completing this form (please print) <u>Mario Facione</u>	Official Title <u>Plant Engineering Manager</u>
Signature 	Telephone No. <u>519-453-0880</u> Date (dd-mm-yyyy) <u>07-06-2011</u>



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*Technical Standards and Safety Act*  
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**SECTION A: GENERAL INFORMATION (cont'd)**

Activity Information

Name of Propane Supplier(s) Dowler-Karn Limited			
Street No. 43841	Street Name / 911 Number / Address, if applicable Talbot Line RR#3		
Town / City or Township / Country St. Thomas		Province Ontario	Postal Code N5P 3S7
Telephone No. 519-631-3810	Fax No. 519-631-4755	Contact Name Ralph Harvey, Propane Manager	
E-mail ralphharvey@dowlerkarn.com			

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

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

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

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Name of person completing this form (please print) Mario Facione	Official Title Paint Engineering Manager
Signature 	Telephone No. 519-453-0880
	Date (dd-mm-yyyy) 07-06-2011



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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.

Chemicals (both hazardous and non-hazardous) are stored in the Chemical Storage Room and mainly at the ecoat paint lines on the east side of the plant

Drawings are attached detailing names/ normal volumes of chemicals stored onsite. A number of cylinders are housed along the fence enclosure south of the dispenser also noted on site drawing.

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

Fire Extinguishers throughout facility and at dispenser location

Emergency propane shutoff in vicinity of dispenser

Sprinkler fire suppression system in plant

Audible fire alarm system

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.

Emergency propane shutoff switch on outside of building installed per B-149 of On. gas code - allows for hydro shutoff of dispenser and closes valve stopping flow of propane in the system.

Fusible link on tank as described per b-149 of On. gas code - heat sensitive automatic closure valve - main spring closes when the link breaks, restricting flow of gas/liquid. Fire alarm system 24/7 on site security

Maintenance and testing schedule for fire protection controls and devices.

Monthly Safety Walk and visual inspections. Monthly sprinkler system check by opening sprinkler valves, dropping pressure and verifying that sprinkler alarm work in Powerhouse +Guardhouse. Wkly- Powerhouse Mechanic makes the rounds and records sprinkler water pressures to ensure systems in order.

Annual inspection of tank + emergency shut-off system per B-149 ON. gas code. - copy left onsite./ Yearly equipment inspections - fire extinguishers.

Daily visual inspection of dispenser conducted by operators prior to use. Annual -Edwards, BP Fire Protection inspect fire and related alarm systems/ horns.

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Name of person completing this form (please print) Mario Facione	Official Title Paint Engineering Manager
Signature 	Telephone No. 519-453-0880
	Date (dd-mm-yyyy) 07-06-2011



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

1. Contacts for Emergency Response

<b>1. Facility Contact Personnel - Key Contact</b>		<b>5. Facility 24-Hour Contact Person</b>	
Name Paul Kooren	For Office Use - Party No.	Name Chris Cain	For Office Use - Party No.
Official Title Operations Manager		Official Title Operations Manager	
Telephone No. 519-453-0880	Fax No.	Cell No. 519-670-2044	Fax No.
E-mail pkooren@accuridecorp.com		E-mail ccain@accuridecorp.com	
Role and responsibilities in emergency Ensure flow of info. with Emergency Coordinator and EHS Manager.		Role and responsibilities in emergency Ensure flow of info. with Operations Manager and EHS Manager. Respond to off hours emergencies assuming EC role.	
<b>2. Facility Contact Personnel - Alternate Contact</b>		<b>6. Name of Facility Manager</b>	
Name Jim Stephenson	For Office Use - Party No.	Name Adam Granger	For Office Use - Party No.
Official Title EHS Manager		Official Title Maintenance Manager	
Telephone No. 519-453-0880	Fax No.	Telephone No. 519-453-0880	Fax No.
E-mail jstephenson@accuridecorp.com		E-mail agranger@accuridecorp.com	
Role and responsibilities in emergency Responsible for leading and coordinating emergency response efforts for the plant per ERP.		Role and responsibilities in emergency Ensure flow of info. with Emergency Coordinator and EHS Manager. Respond to off hours emergencies assuming EC role.	
<b>3. Local Fire Services - Key Contact</b>		<b>7. Propane Supplier Key Contact Person</b>	
Name Wendy Cowdrey <i>BRIAN GEORGE</i>	For Office Use - Party No.	Name Ralph Harvey	For Office Use - Party No.
Official Title Chief Fire Prevention <i>DEPUTY CHIEF</i>		Official Title Propane Manager	
Telephone No. 519-661-2500 <i>x 4785</i>	Fax No. 519-661-8419	Telephone No. 519-631-3810	Fax No. 519-631-4755
E-mail <i>B.GEORGE@LONDON.CA / WCOWDREY@LONDON.CA</i>		E-mail ralphharvey@dowlerkarn.com	
Role and responsibilities in emergency Coordination of municipal fire services and resources during an emergency.		Role and responsibilities in emergency Address any concerns. Alert support services if necessary and implement supplier erp. Provide technical and service support as required.	
<b>4. Local Fire Services - Alternate Contact</b>		<b>8. Municipal Contact</b>	
Name Dan Oldridge	For Office Use - Party No.	Name Jeff Fielding <i>/ CATHARINE SAUNDERS</i>	
Official Title Deputy Fire Chief		Official Title Chief Administrative Office <i>/ CITY CLERK</i>	
Telephone No. 519-661-2500	Fax No. 519-661-8419	Telephone No. 519-661-2500	Fax No. 519-661-5813
E-mail <i>doldridge@london.ca</i>		E-mail jfielding@london.ca <i>/ C SAUNDERS@LONDON.CA</i>	
Role and responsibilities in emergency Coordination of municipal fire services and resources during an emergency.		Municipality City of London	

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Name of person completing this form (please print) Mario Facione	Official Title Paint Engineering Manager
Signature <i>Mario Facione</i>	Telephone No. 519-453-0880
	Date (dd-mm-yyyy) <i>07-06-2011</i>



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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.  
Facility is built to code and meets all pertinent regulations.

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Name of person completing this form (please print) Mario Facione	Official Title Paint Engineering Manager
Signature 	Telephone No. 519-453-0880
	Date (dd-mm-yyyy) 07-06-2011



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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) March 2011	Print Name of Training Provider: In House training (annual)
	Print Name of Instructor: Mark Somers
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) February 28, 2011	Print Name of Training Provider: In House (annual) - included fire drill
	Print Name of Instructor: Mark Somers / Managers and Supervisors in relevant work areas
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) Dependent on expiry dates	Print Name of Training Provider: PGAC course (400-4) - Key contacts done March 2011 (Paul Kooren, Leigh Wright)
	Print Name of Instructor: Mark Somers
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) 07-06-2011



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

**EMERGENCY AND PREPAREDNESS RESPONSE PLAN**

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

Description of the maximum volume, types and storage location of other hazardous materials on site, if any.  
Chemicals (both hazardous and non-hazardous) are stored in the Chemical Storage Room and mainly at the E-coat Paint Lines on the east side of the plant  
Drawings are attached detailing names and normal volumes of chemicals store on site. A number of cylinders are housed along the fence enclosure south of the dispenser also noted on the site drawing

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

Fire Extinguishers throughout Facility and at the dispenser

Emergency propane shutoff in vicinity of dispenser

Sprinkler Fire Suppression System in Plant

Audible Fire Alarm System

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.

Emergency propane shutoff switch on outside of building installed per B-149 of Ont Gas Code - allows for hydro shutoff of dispenser and closes valve stopping flow of propane in the system

Fusible link on the tank as described per B-149 of Ont Gas Code - heat sensitive automatic closure valve - main spring closes when the link breaks

Maintenance and testing schedule for fire protection controls and devices.

Monthly Safety walks and visual inspections. Monthly sprinkler system check by opening sprinkler valves, dropping pressure and verifying that sprinkler alarms work in Powerhouse & Guardhouse. Weekly - Powerhouse mechanic makes the rounds and records sprinkler water pressures to insure systems are in order. Annual inspection of Propane tank + Emergency Shut-off system as per B.149 ON. Gas code - copy left on site. Yearly equipment Inspections for fire extinguishers. Daily Visual Inspection of Dispenser conducted by operators prior to use. Annual Edwards/BP Fire sprinkler/alarm inspections

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. Mario Facione	Official Title Sr Engineer	
Signature 	Telephone No. 519-4530-0880 Ext 304	Date (dd-mm-yyyy) 27-01-2014





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**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).

The onsite Maintenance Team Leader is the emergency coordinator. They will instruct security to sound the evacuation alarm in an emergency alerting other staff ALERT Team, Managers, Team leaders and security personnel, employees and medical department to undertake their trained duties as outlined in the Emergency Evacuation Plan. Emergencies would include explosions, smoke and fire, chemical leak or spill, damage from extreme weather or structural failure.

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).

Each employee job function has a role to play in the event that an alarm is activated. These are listed in detail in the company's Emergency Response and Preparedness plan - Emergency Evacuation Procedure. A number of evacuation points are noted on the facility map and employees are to leave the building immediately upon hearing the alarm. Team leaders insure safe exit and conduct head counts at the collection points. All of this is detailed in the Evacuation Plan (see attached)

**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).

Security personnel in consultation with the emergency coordinator will activate the evacuation alarm and call 911. An evacuation will occur in the event of an explosion, or if areas filled with smoke, for a fire that cannot be extinguished by an extinguisher, chemical spill or toxic gases present, structural failure or damage from extreme weather, someone has entered facility threatening harm with a weapon, or at the discretion of EC depending on the situation (see ERP)

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

This site has 24hr, 7 day per week security service (keys to access all gates are kept at east guardhouse)

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

The emergency coordinator is responsible for leading the liaison with the fire service or other outside resources to provide head counts, type of emergency, location of emergency, determining when it is safe to return to the facility, etc. This will be done via phone until arrival on site.

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

20-30 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.

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Print name of person completing this form.

Mario Facione

Official Title

Sr Engineer

Signature

Telephone No.

519-4530-0880 Ext 304

Date (dd-mm-yyyy)

27-01-2014



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**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.  
Building and Site Security and Procedures

	Yes	No
1. Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is there adequate night lighting at the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Are there procedures that capture and record the daily inspection of hoses and inspection requirements for filling systems and mechanical devices used in the transfer of propane?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are weighing systems validated for accuracy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Are storage areas clearly marked with the vessels' capacity status (i.e., filled, empty, purged and other hazardous materials)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Are quality assurance procedures in place to ensure that all valves are closed after the propane cylinders are filled?(e.g., QCC valves)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Is the schedule of maintenance and testing activities retained on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**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>86.3 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>not applicable</u>	

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Signature 	Telephone No. 519-4530-0880 Ext 304	Date (dd-mm-yyyy) 27-01-2014



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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) 1/15/2012	Print Name of Training Provider: <i>Inhouse training</i>
	Print Name of Instructor: <i>Mark Somers</i>
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:

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

Target Date (dd-mm-yyyy) 1/15/2012	Print Name of Training Provider: <i>Inhouse training</i>
	Print Name of Instructor: <i>Mark Somers / Supervisors and Managers in their respective work areas.</i>
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) <i>as required based on expiry</i>	Print Name of Training Provider: <i>PGAC (soon to be CPA)</i>
	Print Name of Instructor: <i>Marc Somers</i>
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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Name of person completing this form (please print) <i>Mario Facione</i>	Official Title <i>Paint Engineering Manager</i>
Signature <i>Mario Facione</i>	Telephone No. <i>519-453-0880</i>
	Date (dd-mm-yyyy) <i>07-06-2011</i>



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Propane Storage and Handling Regulation

**SECTION C: SUBMISSIONS**

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

**Facility Site Plan.**

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

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

**Map of Surrounding Area.**

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

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

**Required Mapping Information from Updated Site Plan**

Date Map Prepared (dd-mm-yyyy) 28/01/2011	Capacity of single largest propane storage vessel (USWG) 2000
Tank setback coordinates. Indicate placement on the map.	
Front: 310.8m (from clark rd.)	Right side property line: 240.4 M
Rear: 188.2m	Left side property line: 158.5m
GPS coordinates of single largest vessel: 42deg58'59.57"N, 81deg 10'09.59"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) Mario Facione	Official Title Paint Engineering Manager
Signature 	Telephone No. 519-453-0880
	Date (dd-mm-yyyy) 07-06-2011



Technical Standards and Safety Authority  
www.tssa.org

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

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

**SECTION C: SUBMISSIONS (cont'd)**

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

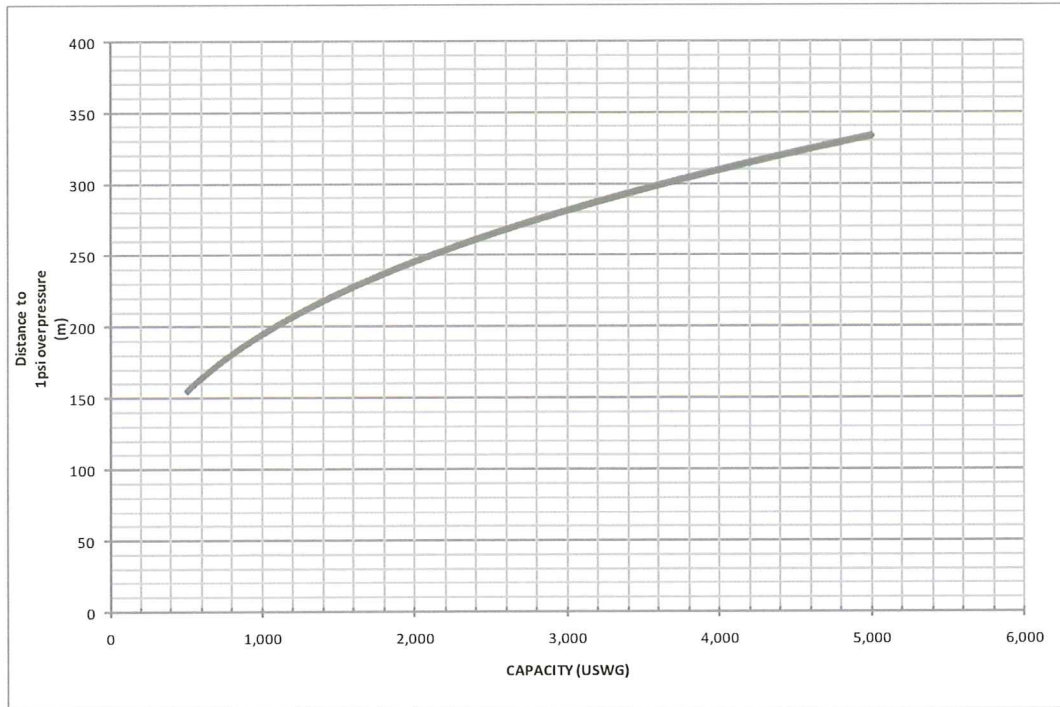
Table 1: Distance Table

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

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

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

Hazard Distance Chart (EPA-TNT model)



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Name of person completing this form (please print) Mario Facione	Official Title Paint Engineering Manager
Signature <i>Mario Facione</i>	Telephone No. 519-453-0880
	Date (dd-mm-yyyy) 07-06-2011



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**Level 1 Risk and Safety Management Plan (RSMP)**  
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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>United Muffler Corp</u> Address: <u>36 Firestone Blvd</u> City: <u>London</u> Province <u>Ontario</u> Postal Code <u>N5W 5L4</u>			x		<u>179</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	x				_____ m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Carstar Collision Centre East</u> Address: <u>46 Firestone Blvd.</u> City: <u>London</u> Province <u>Ontario</u> Postal Code <u>N5W 5L4</u>			x		<u>189</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: <u>Labourers International Union Local 1059 - training facility</u> Address: <u>56 Firestone Blvd.</u> City: <u>London</u> Province <u>Ontario</u> Postal Code <u>N5W 5L4</u>		x			<u>195</u> 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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Name of person completing this form (please print) <u>Mario Facione</u>	Official Title <u>Paint Engineering Manager</u>
Signature 	Telephone No. <u>519-453-0880</u>
	Date (dd-mm-yyyy) <u>07-06-2011</u>



Technical Standards and Safety Authority  
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14th Floor - Centre Tower  
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**Level 1 Risk and Safety Management Plan (RSMP)**  
*Technical Standards and Safety Act*  
Propane Storage and Handling Regulation

**SECTION C: SUBMISSIONS (cont'd)**

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

**Portable Storage Additional Information Sheet**

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9		
# 100	29.5		
# 40	11.75		
# 33.3	9.62	28	269.36
# 30	8.8		
# 20	5.8		
# 10	2.9	6	17.4
# 5	1.5		
<b>Total Cylinder Capacity 286.76</b>			

**Tanks Stored On-site Not Connected for Use**

Tank Size In USWG	Quantity	Total Volume in USWG
<b>Total Tank Capacity</b>		

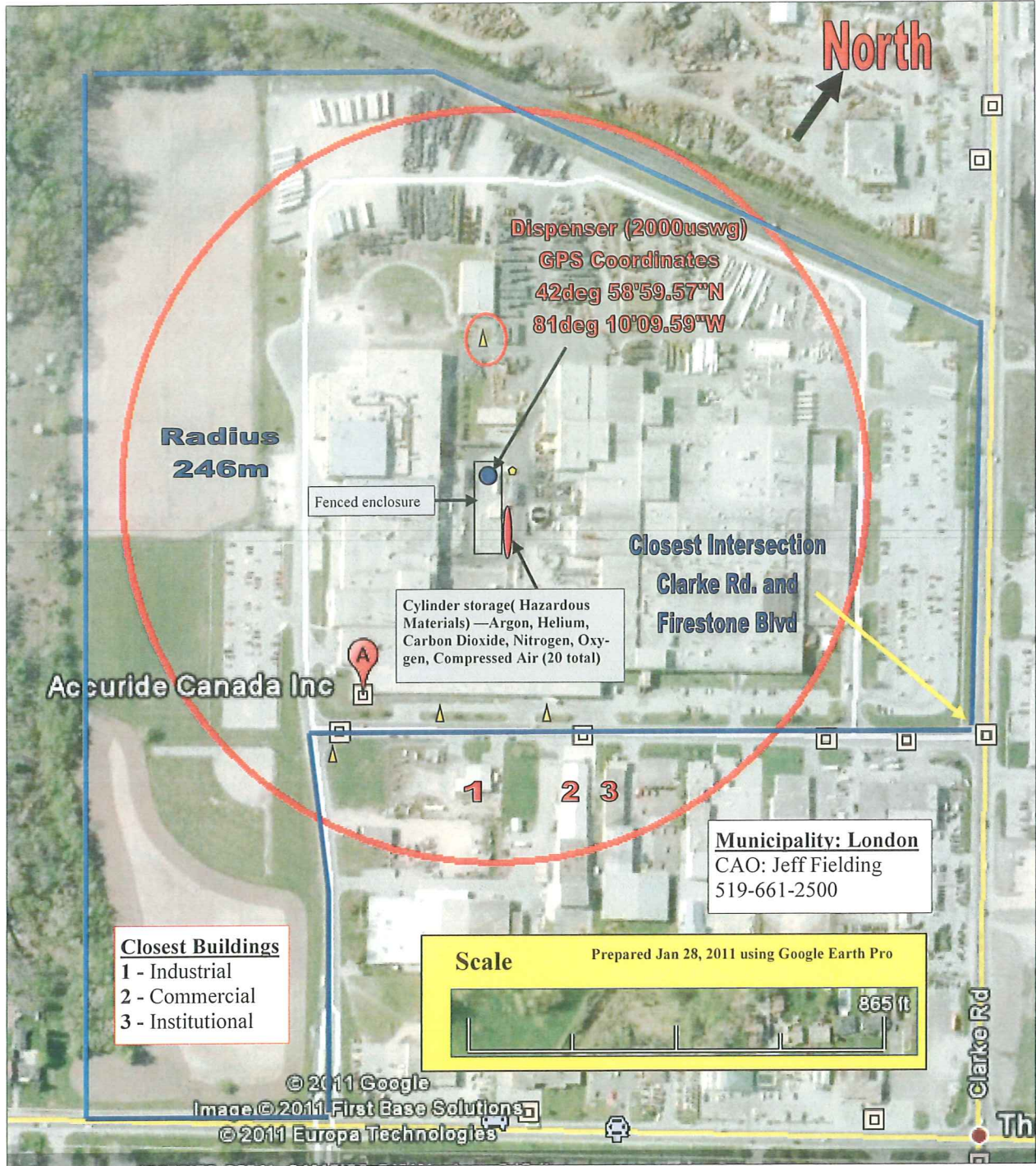
<b>Total Cylinder Capacity</b>	286.76
<b>Total Tank Capacity</b>	
<b>Total Portable Capacity</b>	286.76

**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) Mario Facione	Official Title Paint Engineering Manager
Signature 	Telephone No. 519-453-0880
	Date (dd-mm-yyyy) 07-06-2011

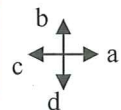
# Accuride Canada Inc.

31 Firestone Boulevard  
London, Ontario N5W 6E6



- ▲ Fire Hydrant
- Emergency Shutoff

Set back from property lines  
(outlined in blue)



- 327m a
- 246m b
- 241m c
- 167m d



# Level 1 RSMP—Facility Site Plan

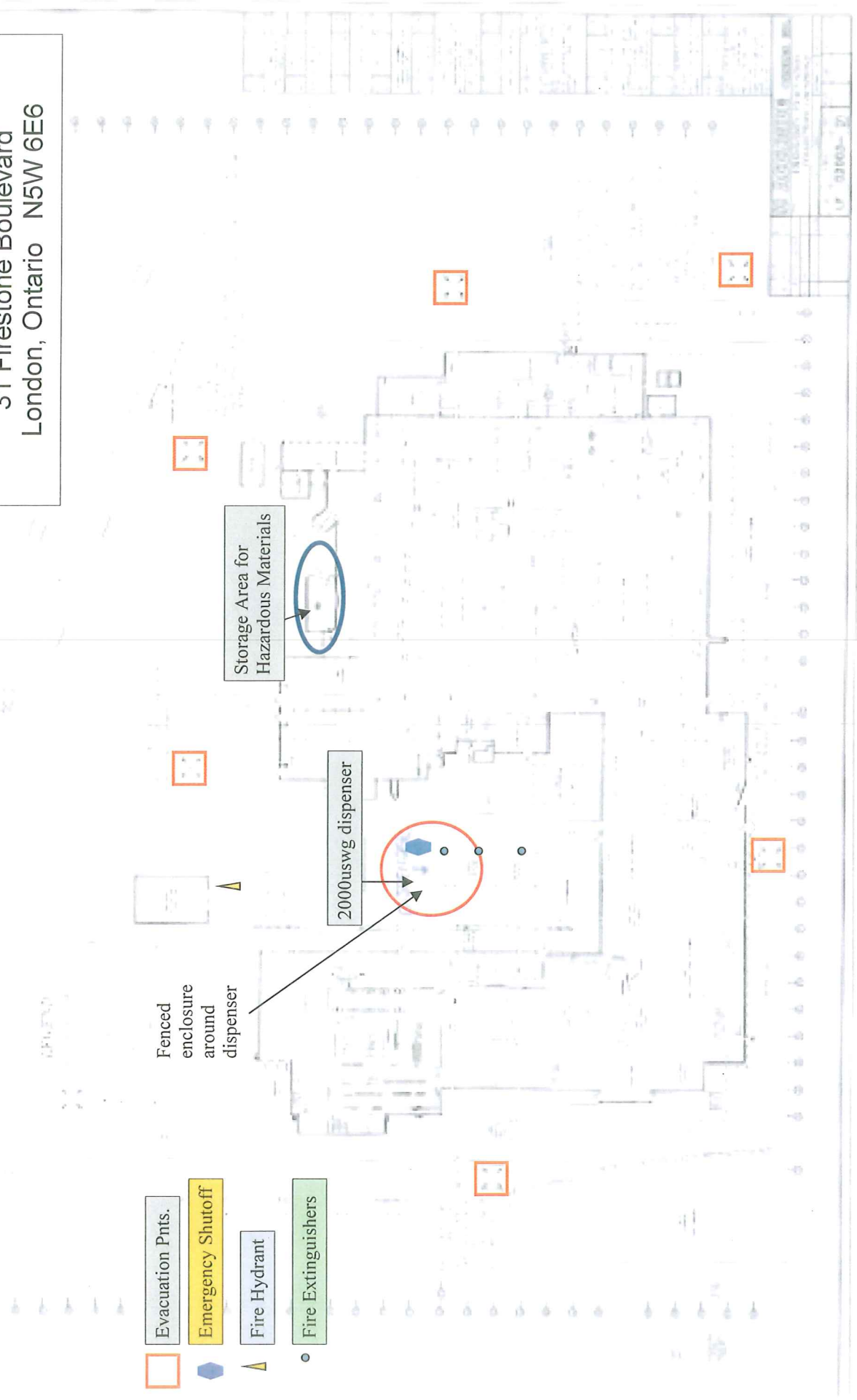
**ACCURIDE CANADA**  
31 Firestone Boulevard  
London, Ontario N5W 6E6

- Evacuation Pnts.
- Emergency Shutoff
- Fire Hydrant
- Fire Extinguishers

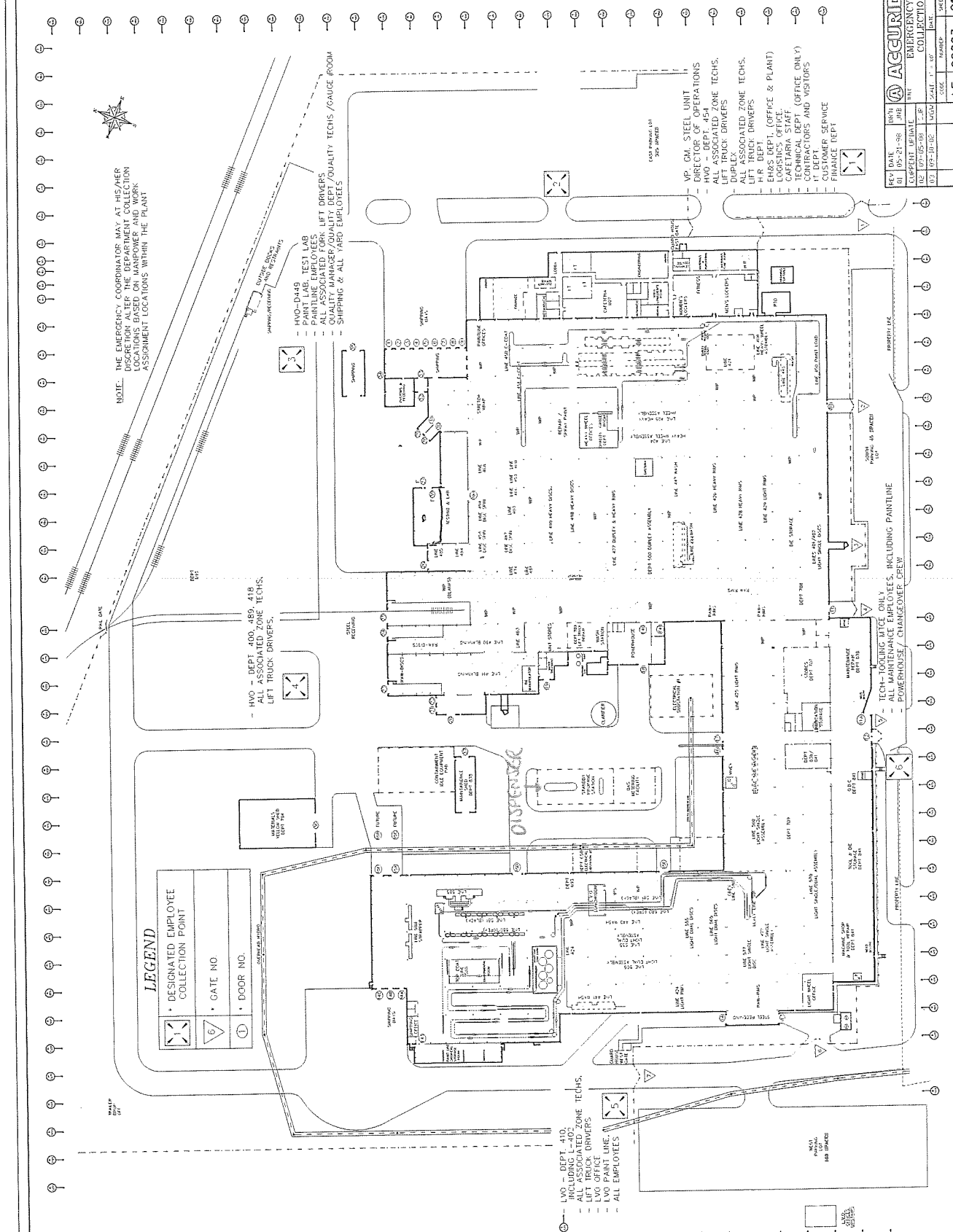
Storage Area for Hazardous Materials

2000uswg dispenser

Fenced enclosure around dispenser



# FACILITY MAP



**NOTE:** THE EMERGENCY COORDINATOR MAY AT HIS/HER DISCRETION REASSIGN COLLECTION LOCATIONS BASED ON MANPOWER AND WORK ASSIGNMENT LOCATIONS WITHIN THE PLANT

- HVO - D449 - TEST LAB
- PAINT LAB
- ALL ASSOCIATED FORK LIFT DRIVERS
- QUALITY MANAGER/QUALITY DEPT./QUALITY TECHS./GAUGE ROOM
- SHIPPING & ALL YARD EMPLOYEES

- HVO - DEPT. 400, 480, 418
- ALL ASSOCIATED ZONE TECHS.
- LIFT TRUCK DRIVERS.

- DEPT. 410
- ALL ASSOCIATED ZONE TECHS.
- LIFT TRUCK DRIVERS
- LVO OFFICE AINE.
- ALL EMPLOYEES

- TECH-LOOKING WICE ONLY
- ALL MAINTENANCE EMPLOYEES, INCLUDING PAINTLINE
- POWERHOUSE / CHANGEOVER CREW

LEGEND	
	DESIGNATED EMPLOYEE COLLECTION POINT
	GATE NO.
	DOOR NO.

REV DATE	BY	DESCRIPTION
13	08-21-07	1.5
12	05-10-07	1.5
11	02-15-07	1.5
10	09-27-06	1.5
09	05-23-06	1.5
08	02-20-06	1.5
07	01-20-06	1.5
06	10-27-03	1.5
05	03-20-03	1.5
04	02-01-03	1.5
03	01-25-03	1.5
02	01-25-03	1.5
01	12-28-02	1.5

REV DATE	BY	DESCRIPTION
01	08-21-07	1.5
02	05-10-07	1.5
03	02-15-07	1.5
04	09-27-06	1.5
05	05-23-06	1.5
06	02-20-06	1.5
07	01-20-06	1.5
08	10-27-03	1.5
09	03-20-03	1.5
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10	02-01-03	1.5
11	01-25-03	1.5
12	01-25-03	1.5
13	12-28-02	1.5

## OXIDIZERS

Hydrogen Peroxide 35%  
 Henkel Accelerator 131D  
 Nalco 7408  
 Jutzi Bromine Tablets

## NON HAZARDOUS & MAINT. EQUIPMENT

Anachemia Sodium Chloride  
 Henkel Defoamer 2482  
 Henkel Titrating Solution 15  
 Jutzi TF 5850  
 Jutzi AF 6640  
 Jutzi Conductivity Standard 6220  
 Jutzi WW Formula 9120  
 Siroco Incorp Weld Coat 100  
 Dito Salt  
 Diamond Crystal Brine Salt

## ACIDS

Henkel Reagent 137  
 Henkel Fixocolor 710  
 Henkel Parcolene 91  
 Henkel Parcolene 6  
 Henkel Additive 302  
 Henkel Bonderite 958  
 Henkel Titrating Solution 31  
 Henkel Titrating Solution 20  
 Henkel Parco 301  
 Nitric Acid 10%  
 Acetic Acid  
 Lactic Acid  
 Phosphoric Acid  
 Sulphuric Acid

Jutzi Formula WW 8440  
 Jutzi Formula SC 5165  
 Jutzi Formula OS 5320  
 Jutzi Formula OS 5305  
 Jutzi Formula MB 3010  
 Jutzi Formula TF 5853  
 Jutzi Formula VP915  
 Jutzi pH Buffer 4  
 BioDet AR5  
 DMPA  
 Liquidrol dry acid Neutralizer  
 Hydrochloric acid 20 Be

## Chemical Storage Room

## CAUSTICS

Henkel PTD 1422XA  
 Henkel Parco ZX-1  
 Henkel Prosperoy 3  
 Henkel Primer 40  
 Henkel SH40  
 Henkel 319  
 Henkel Parco 220  
 Henkel Parco 2869  
 Henkel Titrating Solution 11  
 Henkel P3 Neutracore 175156  
 Liquidrol Dry Caustic Neutralizer  
 Sun Energy Degreaser  
 Grotan BK

Jutzi Formula NA 4020  
 Jutzi Formula CW2563  
 Jutzi Formula CW 2535  
 Jutzi Formula OS 5550  
 Jutzi Formula SC 5150  
 Jutzi Parco 510  
 Jutzi pH buffer 7  
 Jutzi Formula CW 2510  
 Jutzi Sodium Chromate 6090  
 Jutzi Hardness Indicator 6000  
 Jutzi 6440 Water Preservative  
 DA Stuart 861-C  
 DA Stuart 863

## COMBUSTIBLES

Valspar White & Grey Pigment and Resin  
 Insl X Products 7599  
 2-Ethyl Hexanol  
 Glycol/Ether EB  
 Valspar Paints  
 Valspar 55

## FLAMMABLES

Valspar Shading Pastes and Tints  
 Korzite touch-up Paints  
 Insl X Products  
 Dopepox PM/Cyclo Ether PM  
 Acetone  
 Vancide 51

Ucarcide 250  
 Ucarcide 225



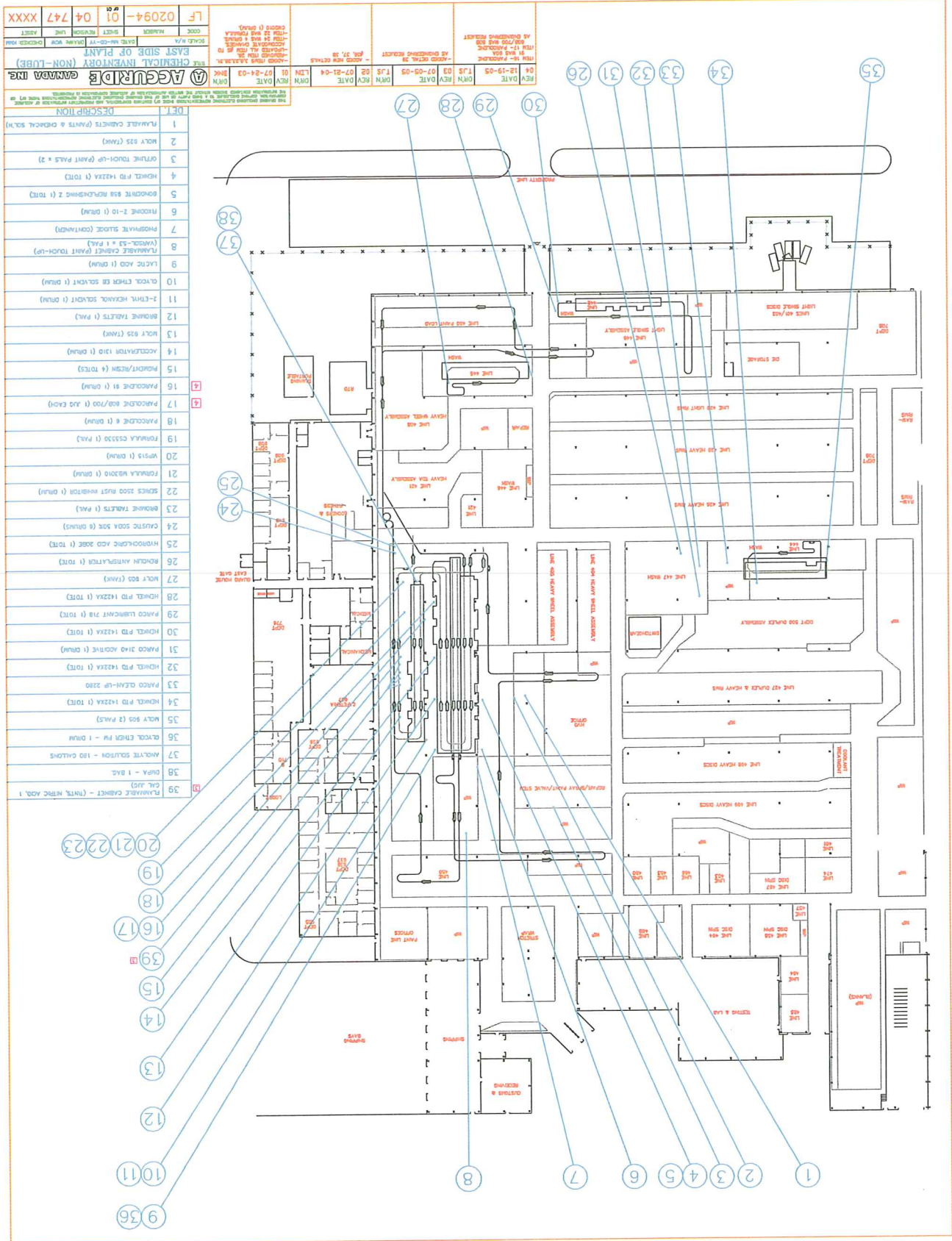
SEE STORAGE AREA REFERENCE - FACILITY PLAN

ALLOWABLE TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 2 PLACE DECIMAL DIMS. : 0.10  
 3 PLACE DECIMAL DIMS. : 0.01  
 STAMP ON EACH DETAIL ON WORK : 1/16  
 NON-FINISHING SURFACE MARKED : FRACTIONAL DIMENSIONS

DATE: 00-07-08  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 APPROVED BY: [Signature]

AGGURDE CONSULTING INC.  
 LAYOUT OF CHEMICAL STORAGE ROOM

LM	D0747-	5884-	01	00	00
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ITEM	DESCRIPTION
1	FLAMMABLE CABINETS (PAINTS & CHEMICAL SOLNS)
2	MULTI 933 (TRAY)
3	OUTLINE TOUCH-UP (PAINT PALS x 2)
4	HONEY PFD 1422KA (1 TOTE)
5	BONDONITE 808 RESOLVING 2 (1 TOTE)
6	MECHONE 2-10 (1 DRUM)
7	PHOSPHATE SOLUOC (CONTAINER)
8	FLAMMABLE CABINET (PAINT TOUCH-UP)
9	LACTIC ACID (1 DRUM)
10	OLYCAL ETHYLENE GLYCOL SOLVENT (1 DRUM)
11	2-TRIMET HEAVY SOLVENT (1 DRUM)
12	BONDONITE TABLETS (1 PAL)
13	MULTI 933 (TRAY)
14	ACCELERATION 1319 (1 DRUM)
15	PHOSPHATE/RESIN (4 TOTES)
16	PHOSPHATE 91 (1 DRUM)
17	PHOSPHATE 808/700 (1 AND 200)
18	PHOSPHATE 8 (1 DRUM)
19	FORMULA C52030 (1 PAL)
20	WPS19 (1 DRUM)
21	FORMULA W2000 (1 DRUM)
22	SPECIES 2000 MUST WASHOIN (1 DRUM)
23	BONDONITE TABLETS (1 PAL)
24	CARBON SODA 508 (6 DRUMS)
25	HYDROLYSING ACID 208E (1 TOTE)
26	NEOLON AMYRTERINER (1 TOTE)
27	MULTI 933 (TRAY)
28	HONEY PFD 1422KA (1 TOTE)
29	PARCO LUBRICANT 718 (1 TOTE)
30	HONEY PFD 1422KA (1 TOTE)
31	PARCO 3140 ACORINE (1 DRUM)
32	HONEY PFD 1422KA (1 TOTE)
33	PARCO CLEAN-UP 2380
34	HONEY PFD 1422KA (1 TOTE)
35	MULTI 933 (2 PALS)
36	OLYCAL ETHYLENE GLYCOL PH - 1 DRUM
37	ANALYTE SOLUTION - 180 GALLONS
38	GRPA - 1 BAG
39	FLAMMABLE CABINET - (TRIT, NITRIC ACID, 1)

REV	DATE	BY	DESCRIPTION
REV 1	01-15-05	FIS	AS SHOWN ON P&ID
REV 2	03-03-05	LIS	AS SHOWN ON P&ID
REV 3	07-05-05	LIS	AS SHOWN ON P&ID
REV 4	07-21-04	LIS	AS SHOWN ON P&ID
REV 5	07-24-03	LIS	AS SHOWN ON P&ID

Hazardus materials

ACCURIDE CANADA LTD  
31 FIRESTONE BLVD  
LONDON ONT

"E"

NOT DRAWN TO SCALE  
FOR BR. STD # 9  
R. HARVEY

FENCED COMPOUND

260'

"D"

100'

2000 GAL. PROPANE TANK

92'

"B"

133'

"C"

N  
↓

