



# Annual Hazardous Material Reporting Training

Tuesday, Dec. 7, 2021; 9:00 – 10:00 AM

<http://groundwaterprotection.portlandoregon.gov/>



**Host: Corky Collier, Columbia Corridor Association**

**Presenter: Doug Wise, Portland Water Bureau**

# Today's Agenda

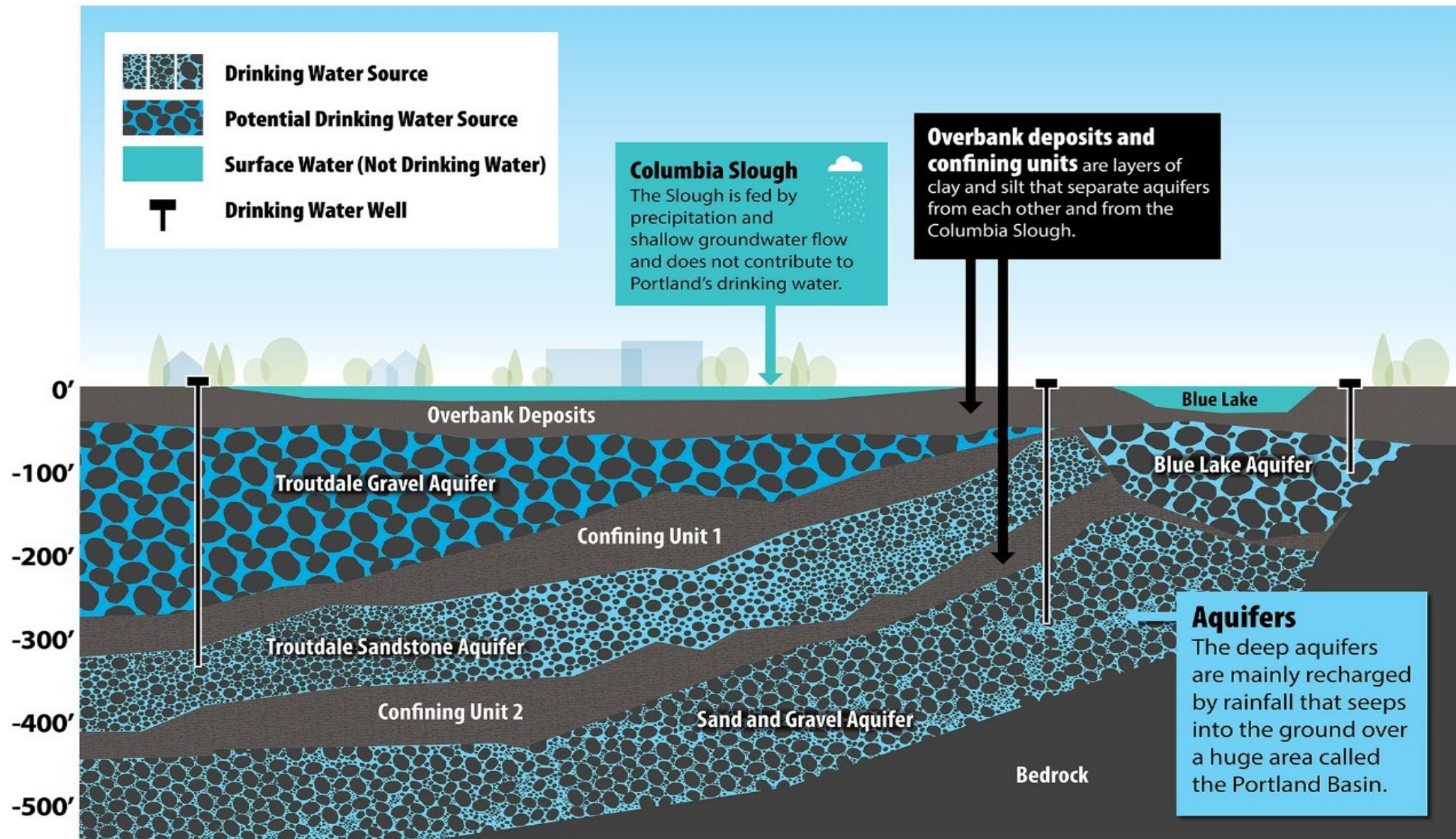
- Purpose of today's training:
  - Introduction to the Groundwater Protection requirements
  - How to report your chemicals each year
- Today's training will be recorded
- Demonstration of online resources and how to file a report  
[groundwaterprotection.portlandoregon.gov](http://groundwaterprotection.portlandoregon.gov)
- Plenty of time for your questions
  - add them in the chat as you think of them

# Portland Water System Overview





# Columbia South Shore Well Field



# Groundwater Protection Program

*Where*

1. Protection area

*What*

2. Regulation of specific chemicals

- Threshold quantities determine if regulations apply

*How*

3. Functional area requirements

- Both structural & operational
- Employee Training



4. Inspections & enforcement

*Why*

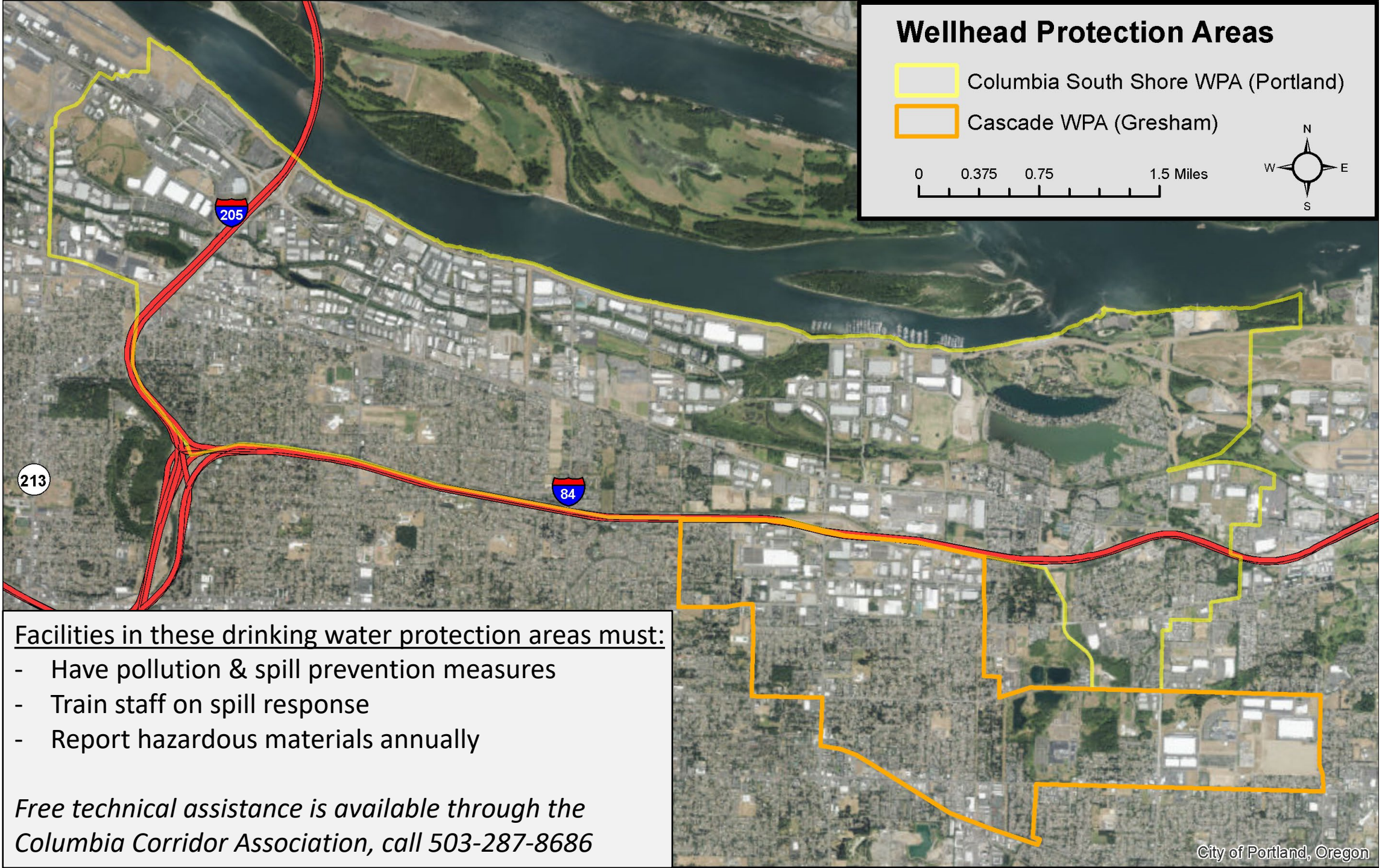
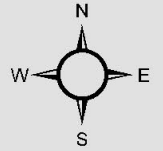
5. Education & technical assistance



## Wellhead Protection Areas

-  Columbia South Shore WPA (Portland)
-  Cascade WPA (Gresham)

0 0.375 0.75 1.5 Miles



Facilities in these drinking water protection areas must:

- Have pollution & spill prevention measures
- Train staff on spill response
- Report hazardous materials annually

*Free technical assistance is available through the  
Columbia Corridor Association, call 503-287-8686*

# Regulated Chemical Thresholds

Wellhead protection regulations apply if a facility handles more than these amounts:



Halogenated Solvents – 10 gal



DEQ Hazardous Wastes – 30 gal



EPA's 'List-of-Lists' Substances – 50 gal

*(There is a searchable version on our website)*

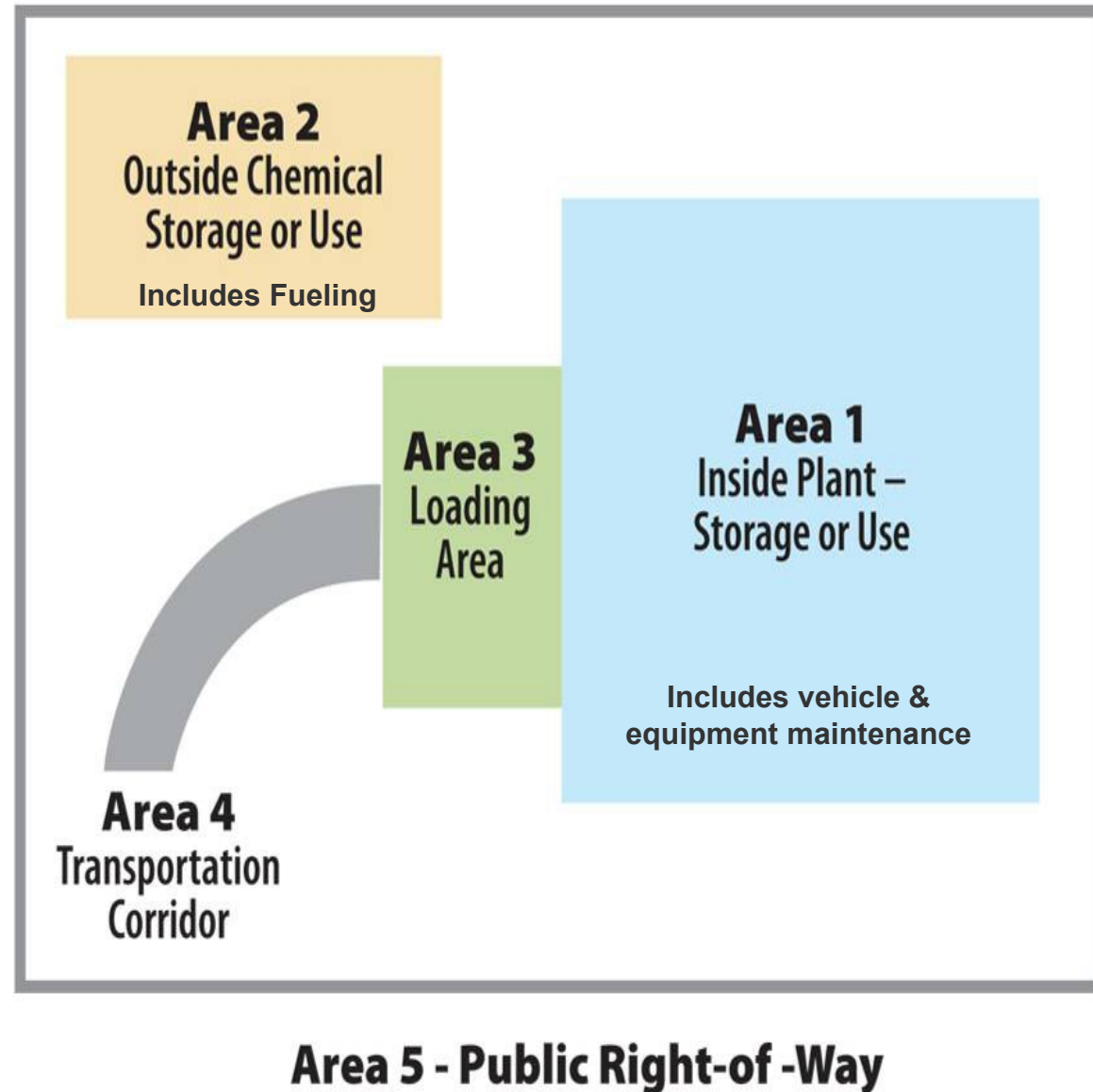


Petroleum-Based Liquid Fuels – 50 gal  
(reporting only for non-fuel petroleum)



# Structural Requirements

- Impervious Surfaces
- Secondary Containment
- Spill Control





# Operational Requirements

- Pollution Prevention Team
- Good Housekeeping Practices
- Spill Prevention and Clean-up
- Inspections and Record Keeping
- Process and Product Changes
- Training
- Annual Reporting and Site Plan

# SDS – Safety Data Sheets

- Keep in central location – designated computer, file cabinet, etc
- Make sure new staff and contractors know where they are and how to read them
- OSHA - Keep for 30 years

**megabond**  
Industrial Adhesives Limited

Product Name: **Trichloroethylene** - 1 -

2223 North Line | Oakville, ON L6H 7G7  
Phone: 905-307-7411 | Fax: 905-371-1586  
megabond.ca

**Safety Data Sheet**

**1. PRODUCT IDENTIFICATION**

Name: **Trichloroethylene**  
Synonyms: 1,1,2-trichloroethylene, acetylene trichloride, TCE & trade names:  
CAS#: 79-06-6  
Europe EC#: 201-187-4  
Product Uses: cleaning solvent for vapour degreasing

**EMERGENCY INFORMATION**  
Canada: CHEMUNITEC (toll-free) (813) 996-6866  
U.S.A.: CHEMUNITEC (800) 424-9399

**2. HAZARDS**

GHS Class (Category)	skin irritant (2)	eye irritant (2)	STOT (3)	carcinogen (1B)	aquatic chronic (3)
Signal Words	WARNING	WARNING	WARNING	DANGER	no Signal Word
Hazard Statements	causes skin irritation (H313)	causes serious eye irritation (H319)	may cause drowsiness or dizziness (H335)	may cause cancer (H350)	toxic to aquatic life with long lasting effects (H411)

**GHS Precautionary Statements for Labelling**

P201 P273: Avoid breathing vapour. Use only in a well-ventilated area.  
P273 P280: Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.  
P280 P281: Do not eat, drink or smoke when using this product.  
P281 P303+P361+P531: Wear eye protection, protective gloves and clothing of best or "Vest".  
P273 P501: Avoid release to the environment. Collect spillage.

**Canada - WHMIS**  
Key: D 1B, D 2A, D 2B  
B 1 - Flash Point < 23°C, B 1 - Flash Point > 23°C & < 37°C  
B 1 - Immediately Toxic, D 1 - Chronic Toxicity  
C - Corrosive Substances, C - Corrosive, F - Reactive Substance

**3. COMPOSITION**

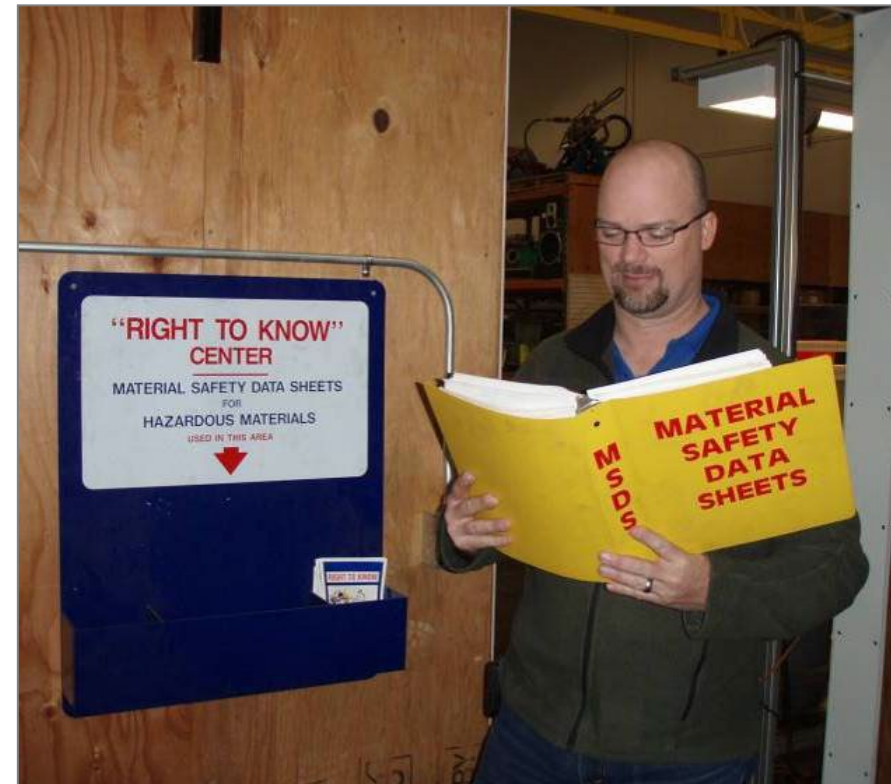
%	TRAEV / TLV	LD <sub>50</sub> (mg/kg)	LD <sub>50</sub> (mg/kg)	LD <sub>50</sub> (mg/kg)	LD <sub>50</sub> (mg/kg)
1,1,2-trichloroethylene	100%	ppm / mg/m <sup>3</sup>	ORAL 2400	SKN 25,200	INHALATION 7575

**4. FIRST AID**

SKIN: Wash with soap & plenty of water. Remove contaminated clothing and do not reuse until thoroughly laundered.  
EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if irritation persists.  
INHALATION: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.  
INGESTION: Give plenty of water to wash product. Do not induce vomiting (NOT below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent aspiration of vomited material. Seek medical help promptly. Inadvertent ingestion of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this relatively low toxicity substance. The stomach should only be emptied under medical supervision and after the installation of an airway to protect the lungs.

Please ensure that this SDS is given to, and explained to people using this product.

Responsible Care®  
Member: Canadian Association of Chemical Distributors  
CADC



# Spill Response


**IN THE EVENT OF A SPILL**

1. Cover and isolate nearby drains  
or turn off drain valve located at \_\_\_\_\_
2. Call the supervisor \_\_\_\_\_
3. If a spill reaches a drain, water or soil, call **503-823-7180** anytime.  
For Police , Fire or Medical Emergencies call 911


---

**If you are cleaning up a spill:**

- Wear protective gear
- Keep unauthorized vehicles and people out of spill
- Use the spill kit:
  - Seal off drains
  - Set up a berm to contain the spill
  - Cleanup with absorbent materials



**GROUNDWATER PROTECTION PROGRAM**  
COLUMBIA SOUTH SHORE



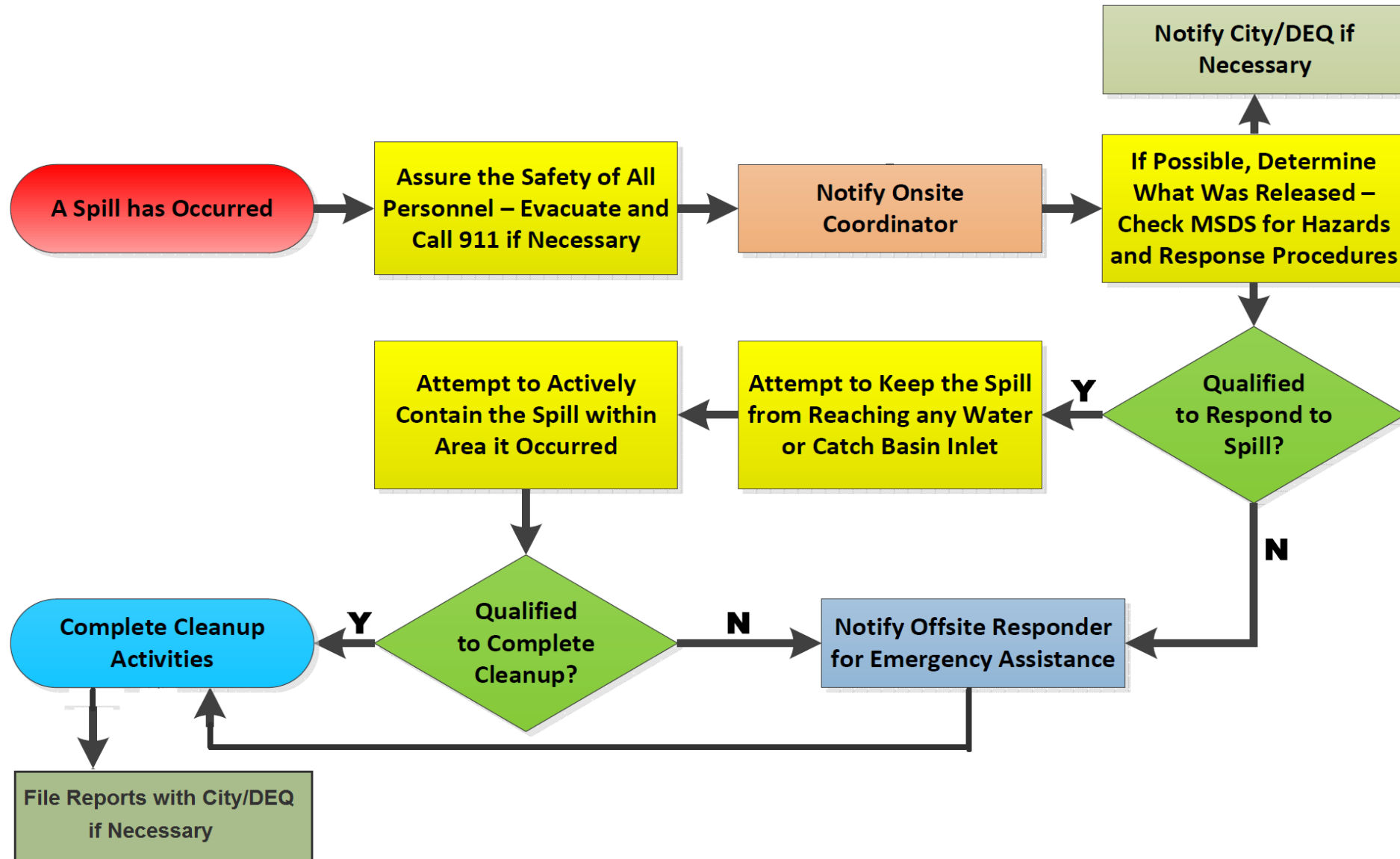
HELP PROTECT DRINKING WATER. You are standing over Portland's Columbia South Shore Well Field - a regional drinking water source from groundwater.

**Chemical Transfer Procedures**  
Refer to the unloading procedures located \_\_\_\_\_

- Identify Responsible Staff
  - Free signs available
- Safety first, 911 if emergency
- Consult SDS
- Use spill kit, drain covers, etc.
- Use Common Sense



# Simple Response Diagram



# Annual Training Requirements

Training program to inform employees\*:

- Facility is in Drinking Water Protection Area
- Risks to groundwater from the handling/use of hazardous materials (recommended)
- Location of SDS
- How to read an SDS
- Contact information if a spill occurs

*\*who handle hazardous materials or fuels*

# Inspection and Enforcement

- Portland: Fire Bureau, bi-annual compliance inspections for all businesses
- Gresham & Fairview: Share environmental inspector
- Planning and Permit Review





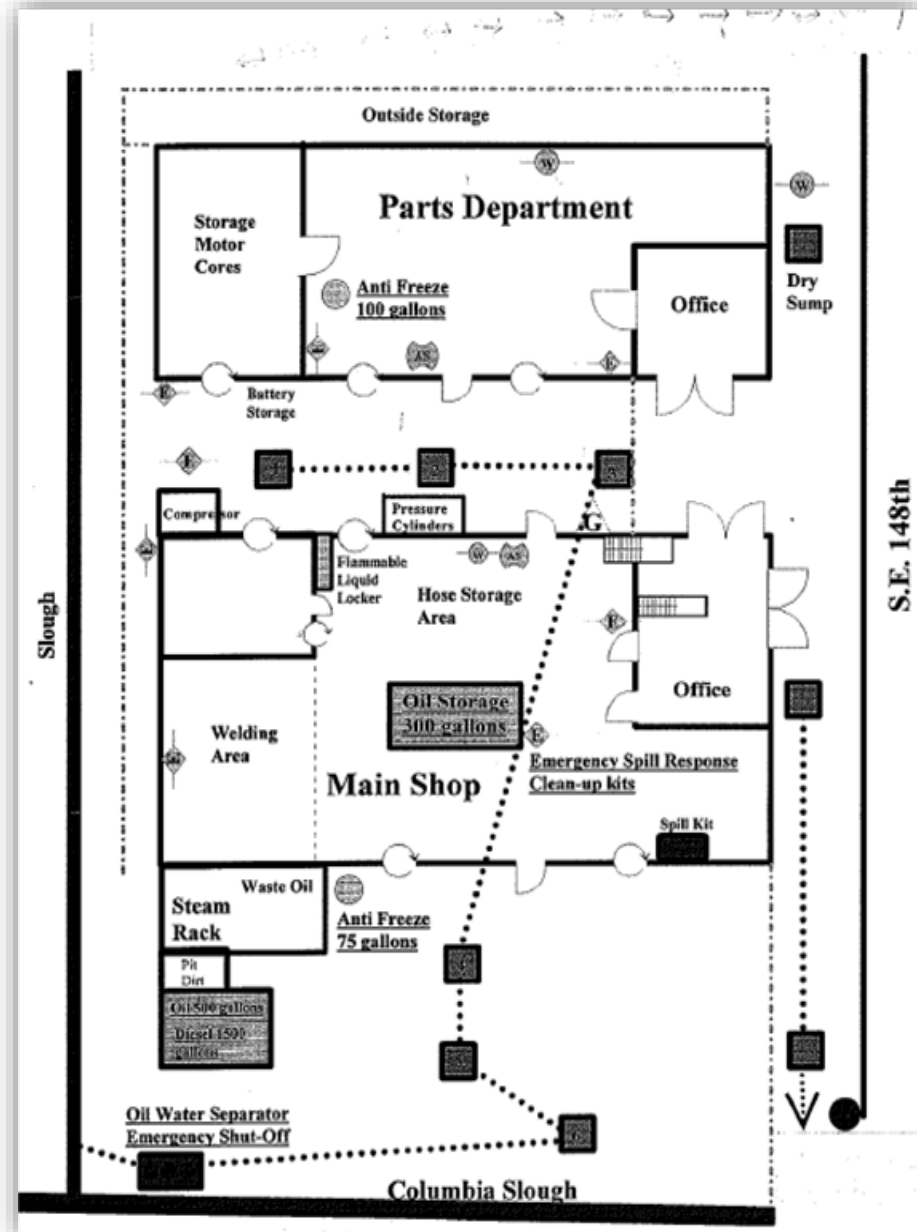
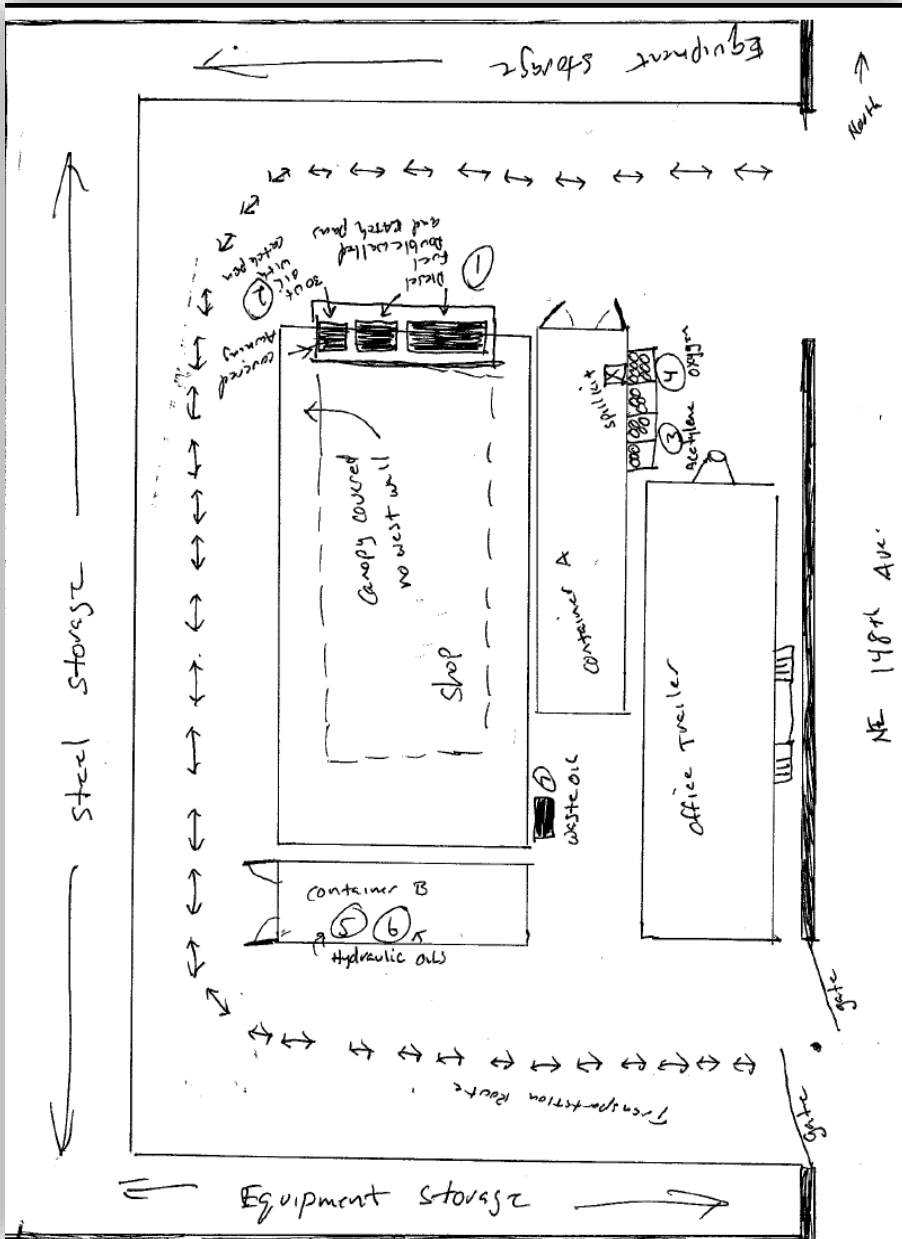
# Reporting Requirements

1. Annual Hazardous Material Inventory (on-line)

2. Facility Information Report (Site Plan, up-load):

- Functional areas where hazardous materials are handled
- Transportation routes
- Storm drains and drainage area
- Dry wells or sumps
- Spill containment devices (e.g. shut off valve)
- Emergency spill containment and clean-up kits

# Site Plan Examples



# Resources and Contact Info

- **Columbia Corridor Association**
  - Corky Collier and Jeff Dresser – 503-287-8686
  - [Corky@columbiacorridor.org](mailto:Corky@columbiacorridor.org)
  - [www.columbiacorridor.org/wellfield/](http://www.columbiacorridor.org/wellfield/)
- **Portland Water Bureau**
  - Doug Wise – 503-823-7473
  - [groundwaterprotection@portlandoregon.gov](mailto:groundwaterprotection@portlandoregon.gov)
  - [www.portlandoregon.gov/water/groundwater](http://www.portlandoregon.gov/water/groundwater)
- **City of Gresham**
  - Clay Walker – 503-618-2487
  - [clay.walker@greshamoregon.gov](mailto:clay.walker@greshamoregon.gov)
- **City of Fairview**
  - Miguel Sanchez – 503-674-6222
  - [sanchezm@ci.Fairview.or.us](mailto:sanchezm@ci.Fairview.or.us)





# Groundwater Protection Program

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[Register](#) [Log in](#)



Businesses that are located within Columbia South Shore and Cascade well fields and use hazardous chemicals in greater amounts than these thresholds are subject to annual reporting requirements:

- 10 or more gallons of halogenated solvents
- 30 or more gallons of hazardous waste
- 50 gallons or more of hazardous materials (including petroleum products)

Use this website for easy annual reporting. Reporting for 2020 is now open. Reports for 2020 are due by January 31, 2021.


[Log In and Report](#)

[Learn more »](#)



# Groundwater Protection Program

## Log in.

Use a local account to log in. 

Email

Password

☐ Remember me?

Log in

[Register as a new user](#)

[Forgot your password?](#)



# Groundwater Protection Program

## Manage.

Change your account settings

<b>Password:</b>	[ <a href="#">Change your password</a> ]
<b>My Contact Details:</b>	[ <a href="#">Edit Details</a>   <a href="#">View Details</a> ]
<b>My Company:</b>	REBECCA'S CHEMICAL OUTLET [ <a href="#">Edit Details</a>   <a href="#">View Details</a> ]



## Edit User and Company Contact Details

### Edit User Form

Contact Email	<input type="text" value="annabuckley@hotmail.com"/>	<input type="button" value="?"/>
Company Name	<input type="text" value="REBECCA'S CHEMICAL OUTLET"/>	<input type="button" value="?"/>
Title *	<input type="text" value="Manager"/>	
Primary Contact *	<input checked="" type="checkbox"/> <input type="button" value="?"/>	
First Name *	<input type="text" value="Jane"/>	<input type="button" value="?"/>
Last Name *	<input type="text" value="Doe"/>	
Phone 1 *	<input type="text" value="(503) 555-1111"/>	<input type="button" value="?"/>
Phone 1 Extention	<input type="text" value="51111"/>	
Phone 1 Type *	<input type="text" value="Office"/>	<input type="button" value="?"/>
Phone 2	<input type="text" value="(503) 555-1112"/>	
Phone 2 Extention	<input type="text"/>	
Phone 2 Type	<input type="text" value="-- Select One --"/>	

\* = required fields for reporting

[Cancel Edit](#)





## Groundwater Protection Program

[Home](#)

[About](#)

[Contact](#)

Start typing the first few letters of your company's name into the 'Company Name' field and a list of possible matches will be generated. Select your company from the drop-down list. If there's no match, type the full name of your company.

OK

# Edit User and Company Contact Details

## Edit User Form

Contact Email

annabuckley@hotmail.com



Company Name

REBECCA'S CHEMICAL OUTLET



Title \*

Manager

Primary Contact \*



First Name \*

Jane



Last Name \*

Doe

Phone 1 \*

(503) 555-1111





# Groundwater Protection Program

## Manage.

Change your account settings

Password:

[ [Change your password](#) ]

My Contact Details:

[ [Edit Details](#) | [View Details](#) ]

My Company:

REBECCA'S CHEMICAL OUTLET [ [Edit Details](#) | [View Details](#) ]

[Home](#)[About](#)[Contact](#)[Annual Reports](#)[My Profile](#)

## Company Details

### Company

**Company Name** REBECCA'S CHEMICAL OUTLET

**Contacts** [Contacts](#)

**Current Site Plan** [Download Site Plan](#)

**Company/Site Address** [1120 SW 5th Ave 600 PO 97204](#)

**Raw Input**

**Company/Site Address**

**Phone** (503) 823-7493

**Mail Address** P.O. Box 1234 PORTLAND OR 97204

**Company HQ Address** 1234 SE CHEMICAL ROW AUSTIN TX 54321

**Has Site Plan** [Site Plan](#)

**Business License  
Number**

**NAICS primary** 111130

**NAICS secondary**

**Business Type** Dry Pea and Bean Farming

[Back](#)



# Annual Reports

Download Current Site Plan

Upload Site Plan (Needs to be a single PDF of one or more pages <5 MB):

Choose File

No file chosen

Upload

?

Create/View Report for current year

?

Export Report to Excel

Clear Current Search Criteria

Year:

Company Name	Report Year	Product Name	CAS ID	Chemical Name	Regulated Category & Threshold	Physical State	Unit of Measure	Range	Container Type	Functional Area	Status	
REBECCA'S CHEMICAL OUTLET	2020	Goop A	23564069	(1,2-Phenylenebis(iminocarbonothioyl)) biscarbamic acid diethyl ester	Hazardous Substance (>50 gal or >400 lbs)	LIQUID	POUNDS	1,000-4,999	CARBOY	Indoor Storage	Pending	<a href="#">Details</a>
REBECCA'S CHEMICAL OUTLET	2020	goopy goop chemical cleaner	75456	Chlorodifluoromethane	Hazardous Substance (>50 gal or >400 lbs)	LIQUID	GALLONS	500-999	STEEL DRUM	Indoor Storage	Pending	<a href="#">Details</a>
REBECCA'S CHEMICAL	2018	Goop A	23564069	(1,2-Phenylenebis(iminocarbonothioyl))	Hazardous Substance	SOLID	POUNDS	1,000-4,999	CARBOY	Indoor Storage	Pending	<a href="#">Details</a>





# Review, Update, Annual Report

Add New I Certify this report is complete and accurate

Company Name	Report Year	Product Name	CAS Number	Chemical Name	Regulated Category & Threshold	Physical State	Unit of Measure	Range	Container Type	Functional Area	Status	
REBECCA'S CHEMICAL OUTLET	2020	Goop A	23564069	(1,2-Phenylenebis(iminocarbonothioyl)) biscarbamic acid diethyl ester	Hazardous Substance (>50 gal or >400 lbs)	LIQUID	POUNDS	1,000-4,999	CARBOY	Indoor Storage	Pending	<a href="#">Edit</a>   <a href="#">Remove</a>
REBECCA'S CHEMICAL OUTLET	2020	goopy goop chemical cleaner	75456	Chlorodifluoromethane	Hazardous Substance (>50 gal or >400 lbs)	LIQUID	GALLONS	500-999	STEEL DRUM	Indoor Storage	Pending	<a href="#">Edit</a>   <a href="#">Remove</a>



## Edit Annual Report Details

AnnualReport

Company Name	REBECCA'S CHEMICAL OUTLET	
Report Year *	2020	?
Product Name *	Goop B	?
CAS Number	121	?
Chemical Name	K123 -- Hazardous Waste - K123	?
Regulated Category & Threshold	Hazardous Waste (>30 gal or >220 lbs)	?
Physical State *	LIQUID ▼	
Unit of Measure *	POUNDS ▼	
Maximum Amount *	1,000-4,999 ▼	?
Container Type *	CARBOY ▼	
Functional Area *	Indoor Storage ▼	

\* = required fields for reporting

Save

[Back to List](#)



## Review, Update, Annual Report

[Add New](#)

[I Certify this report is complete and accurate](#)

Company Name	Report Year	Product Name	CAS Number	Chemical Name	Regulated Category & Threshold	Physical State	Unit of Measure	Range	Container Type	Functional Area	Status	
REBECCA'S CHEMICAL OUTLET	2020	Goop A	23564069	(1,2-Phenylenebis(iminocarbonothioyl)) biscarbamic acid diethyl ester	Hazardous Substance (>50 gal or >400 lbs)	LIQUID	POUNDS	1,000-4,999	CARBOY	Indoor Storage	Pending	<a href="#">Edit</a>   <a href="#">Remove</a>
REBECCA'S CHEMICAL OUTLET	2020	goopy goop chemical cleaner	75456	Chlorodifluoromethane	Hazardous Substance (>50 gal or >400 lbs)	LIQUID	GALLONS	500-999	STEEL DRUM	Indoor Storage	Pending	<a href="#">Edit</a>   <a href="#">Remove</a>

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1



## Add New Annual Report for 2020

AnnualReport

Company Name

Report Year \*  ?

Product Name \*  ?

CAS Number  ?

Chemical Name  ?

Regulated Category & Threshold  ?

Physical State \*  ▼

Unit of Measure \*  ▼

Maximum Amount \*  ▼

Container Type \*  ▼

Functional Area \*  ▼

\* = required fields for reporting

[Save](#)

[Cancel](#)





## Review, Update, Annual Report

[Add New](#)

[I Certify this report is complete and accurate](#)

Company Name	Report Year	Product Name	CAS Number	Chemical Name	Regulated Category & Threshold	Physical State	Unit of Measure	Range	Container Type	Functional Area	Status	
REBECCA'S CHEMICAL OUTLET	2020	Goop A	23564069	(1,2-Phenylenebis(iminocarbonothioyl)) biscarbamic acid diethyl ester	Hazardous Substance (>50 gal or >400 lbs)	LIQUID	POUNDS	1,000-4,999	CARBOY	Indoor Storage	Pending	<a href="#">Edit</a>   <a href="#">Remove</a>
REBECCA'S CHEMICAL OUTLET	2020	Epson Ink Pack T741400	56815	GLYCEROL	Hazardous Substance (>50 gal or >400 lbs)	LIQUID	GALLONS	50-199	CARBOY	Indoor Storage	Pending	<a href="#">Edit</a>   <a href="#">Remove</a>

# Resources and Contact Info

- **Columbia Corridor Association**
  - Corky Collier and Jeff Dresser – 503-287-8686
  - [Corky@columbiacorridor.org](mailto:Corky@columbiacorridor.org)
  - [www.columbiacorridor.org/wellfield/](http://www.columbiacorridor.org/wellfield/)
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  - [www.portlandoregon.gov/water/groundwater](http://www.portlandoregon.gov/water/groundwater)
- **City of Gresham**
  - Clay Walker – 503-618-2487
  - [clay.walker@greshamoregon.gov](mailto:clay.walker@greshamoregon.gov)
- **City of Fairview**
  - Miguel Sanchez – 503-674-6222
  - [sanchezm@ci.Fairview.or.us](mailto:sanchezm@ci.Fairview.or.us)