



# Well Field Protection Program Employee Training

CITY OF GRESHAM

# Gresham's Drinking Water System



**Bull Run Reservoir**  
Primary source since early 1900s  
City of Portland



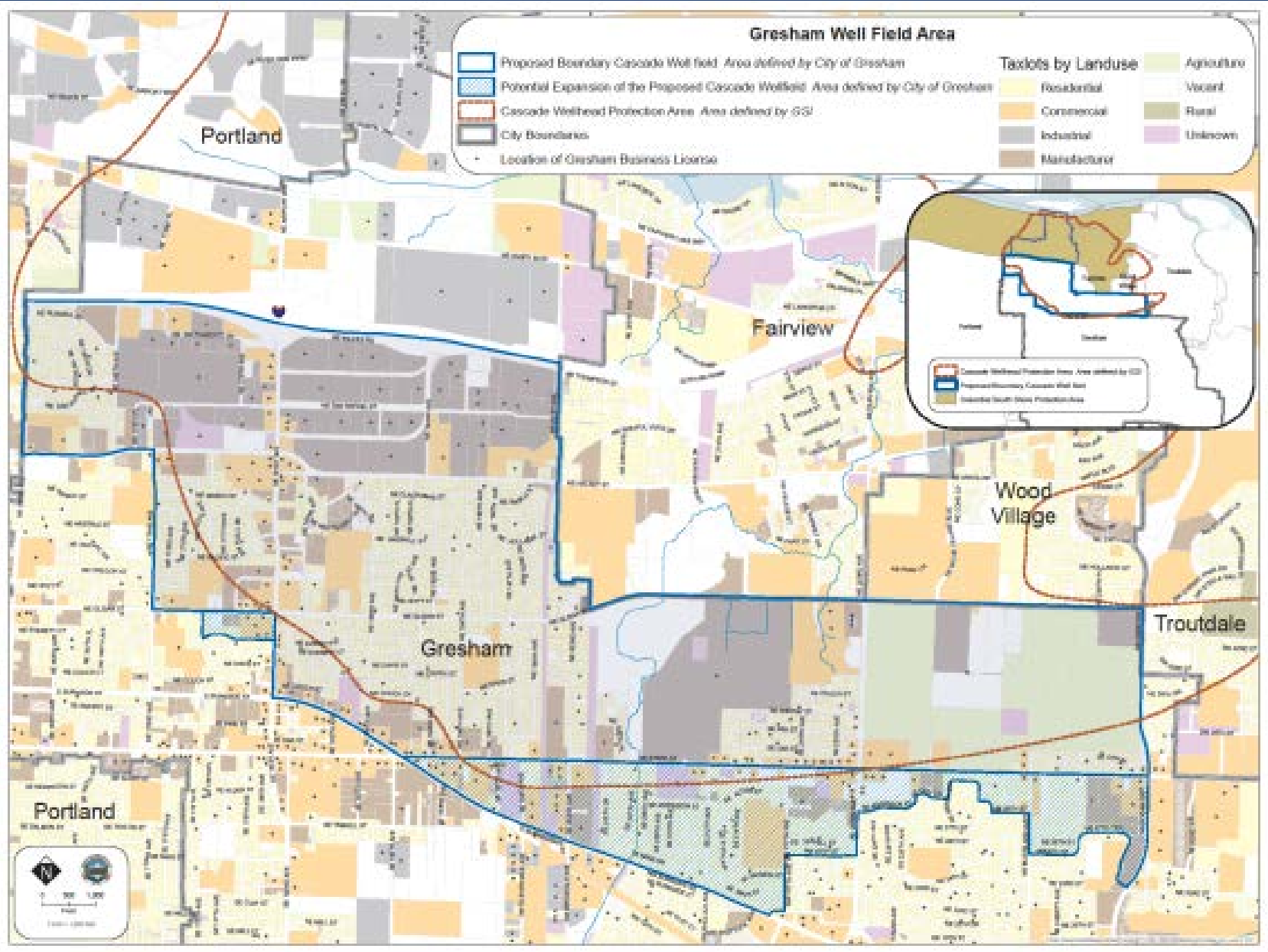
**Cascade No. 5 Well House**  
Supplemental source since 2010  
Partnership Between City of Gresham and Rockwood Water  
People's Utility District

# Potential Threats to Groundwater

- Uncontained chemicals
- Spills of industrial or household hazardous waste
- Inappropriate application or disposal of farm, garden or household chemicals

# Training Overview

- Business location within the well field protection area
- Location of Materials Safety Data Sheets (MSDS)
- How to read an MSDS
- Who to contact for spill response
- Training for spill control and response personnel
- Review reports and procedures



# Material Safety Data Sheet (MSDS)

- Location of MSDS
- How to Read an MSDS



Material Safety Data Sheet		HMIS®			
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.		HEALTH	2	REACTIVITY	0
		FLAMMABILITY	0	PERSONAL PROTECTION	A
<b>Identity</b> (As Used on Label and List) <b>30025 Electrotek Non-Flammable Safety Cleaner</b>		<small>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</small>			
<b>SECTION I</b>					
<b>Manufacturer's Name</b> ITW Dykem		<b>Emergency Telephone Number</b> 1-800-424-9300 CHEMTREC			
<b>Address (Number, Street, City, State, and ZIP Code)</b> 805 East Old 56 Highway Olathe, Kansas 66061		<b>Telephone Number for Information</b> 1-800-443-9536			
		<b>Date Prepared</b> 4/23/01		<b>Signature of Preparer (Optional)</b> Regulatory Dept.	
<b>SECTION II - Hazardous Ingredients/Identity Information</b>					
<b>Hazardous Components (Specific Chemical Identity, Common Name(s))</b>	<b>CAS No.</b>	<b>OSHA PEL</b>	<b>ACGIH-TLV</b>	<b>Other Limits Recommended</b>	<b>%(Opt.)</b>
*1,1-Dichloro-1-fluoroethane	1717-00-6	Not estab.	Not estab.		60 - 100 %
Carbon dioxide	124-38-9	5000 ppm	5000 ppm	STEL 30000 ppm	3 - 7 %
Isopropanol	67-63-1	500 ppm	500 ppm		1 - 5 %
* This product contains 1,1-Dichloro-1-fluoroethane which is listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.					
<b>WARNING:</b> Contains 1,1-Dichloro-1-fluoroethane, a substance which harms public health and the environment by destroying ozone in the upper atmosphere.					

# Material Safety Data Sheet

HMIS®

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

HEALTH

2

REACTIVITY

0

FLAMMABILITY

0

PERSONAL PROTECTION

A

**Identity** (As Used on Label and List)

**30025 Electrotek Non-Flammable Safety Cleaner**

*Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

## SECTION I

**Manufacturer's Name**

ITW Dykem

**Emergency Telephone Number**

1-800-424-9300 CHEMTREC

**Address (Number, Street, City, State, and ZIP Code)**

805 East Old 56 Highway

**Telephone Number for Information**

1-800-443-9536

Olathe, Kansas 66061

**Date Prepared**

4/23/01

**Signature of Preparer (Optional)**

Regulatory Dept.

## SECTION II - Hazardous Ingredients/Identity Information

**Hazardous Components (Specific**

**Chemical Identity, Common Name(s))**

**CAS No.**

**OSHA PEL**

**ACGIH-TLV**

**Other Limits**

**Recommended**

**%(Opt.)**

\*1,1-Dichloro-1-fluoroethane

1717-00-6

Not estab.

Not estab.

60 – 100 %

Carbon dioxide

124-38-9

5000 ppm

5000 ppm

STEL 30000 ppm

3 – 7 %

Isopropanol

67-63-1

500 ppm

500 ppm

1 – 5 %

\* This product contains 1,1-Dichloro-1-fluoroethane which is listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.

**WARNING:** Contains 1,1-Dichloro-1-fluoroethane, a substance which harms public health and the environment by destroying ozone in the upper atmosphere.



# Contacts for Spill Response (Example)

Position	Name	Phone	Other
Receiving Manager	Jeff Stolts	503-667-2245	Radio Channel 5, Sub-channel 4
Warehouse Operations	Susan Jones	503-667-2247	
VP Environmental Services	Jeremy Chiles	503-667-2228	
External Regulators:			
City of Gresham:	503-618-2626		
OERS:	503-378-2911		



# Spill Response Team Training

- Site Map
- Facility Risk Assessment
- Fuel and Hazardous Materials Inventory
- Spill Response Personnel
- Spill Response Procedure

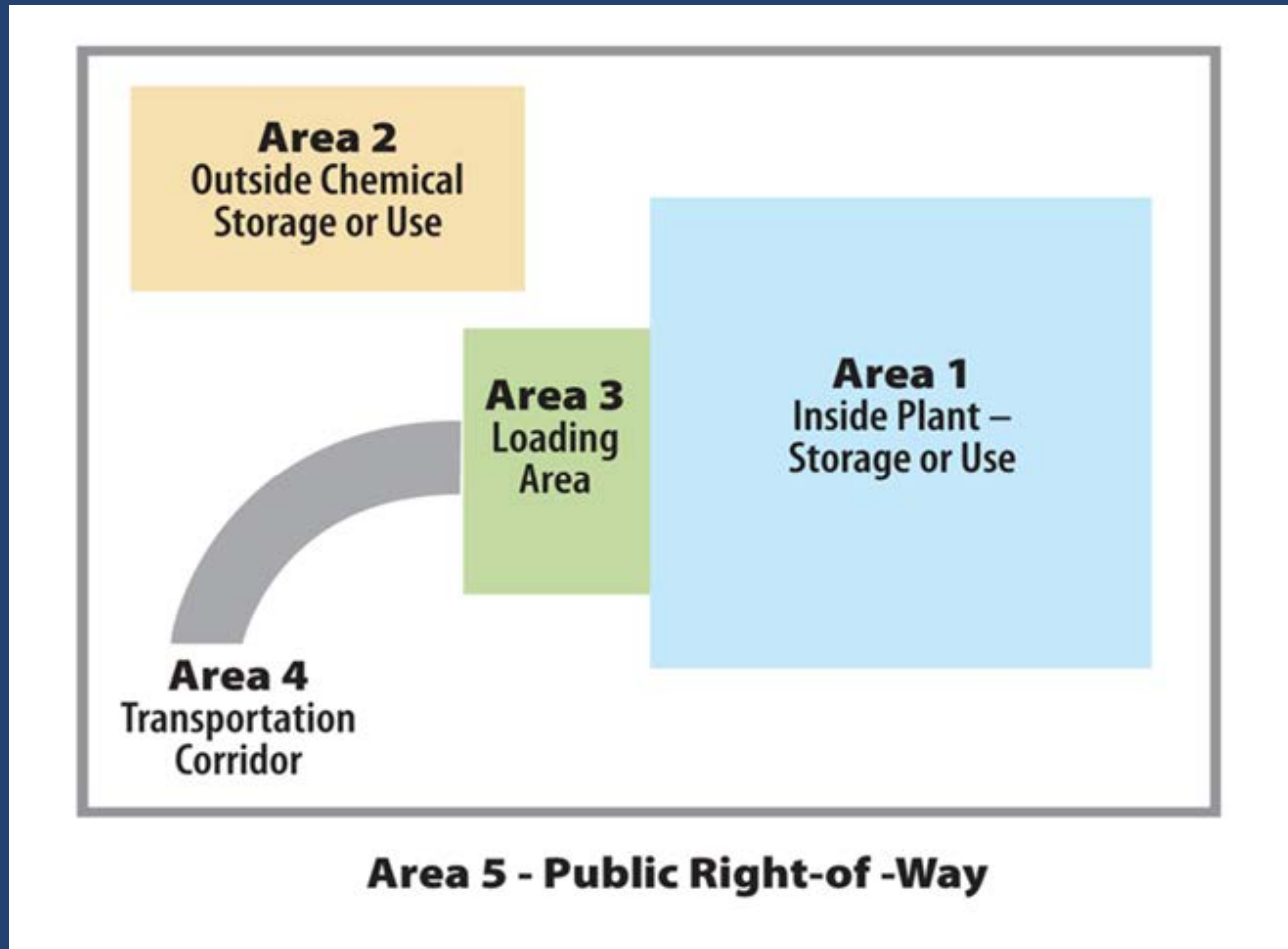




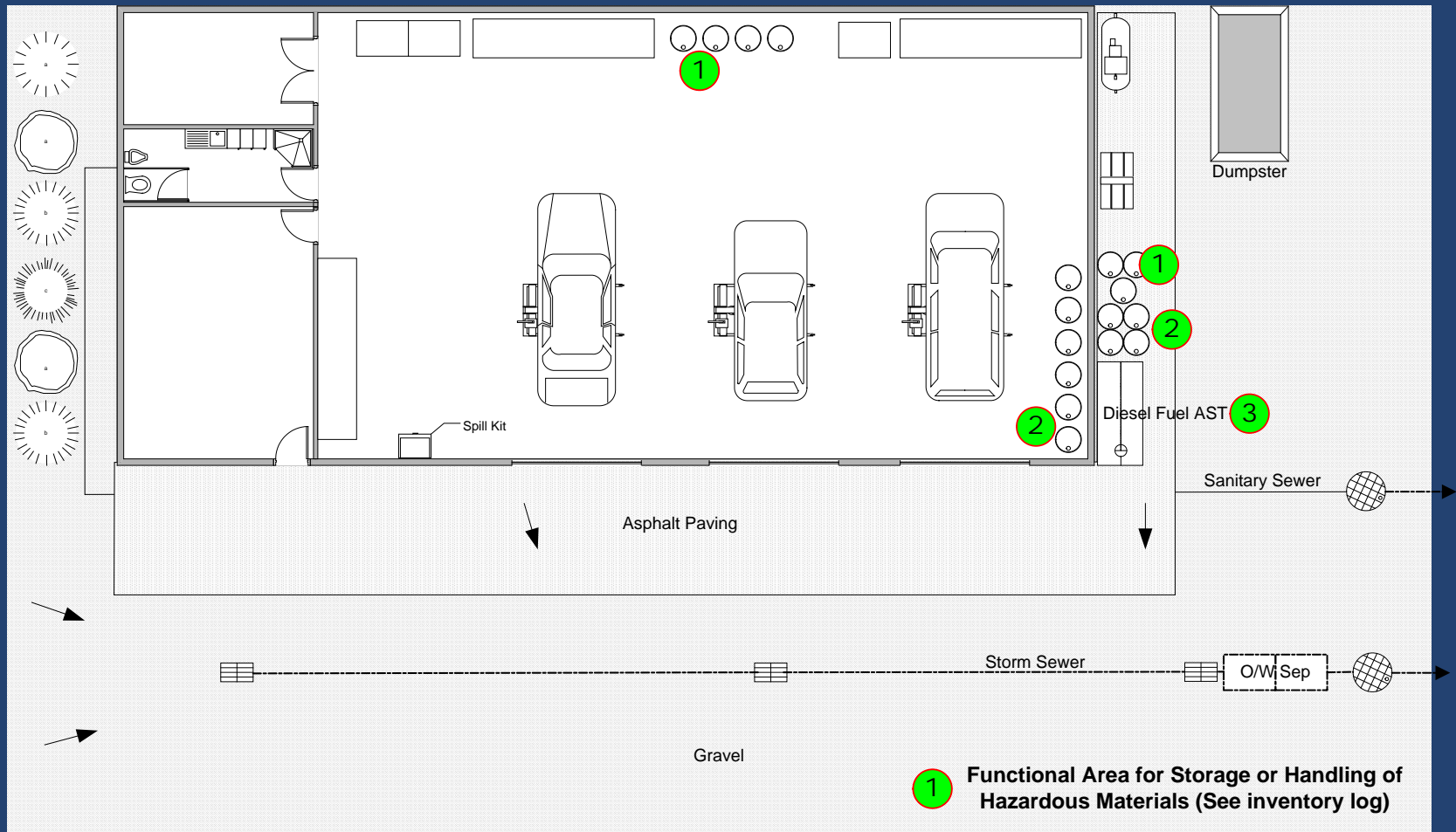
# Facility Report Review

- Location & Functional Areas for Hazardous Materials
- On-site Hazardous Materials Routes
- Locations of Storm Drains and Drainage Areas
- Locations of Dry Wells Or Sumps
- Location and Description of Spill Control Devices
- Location of Emergency Spill Containment Equipment

# Functional Areas



# Example of Site Map



# Site Risk Assessment

- Low, moderate or high
- Varies by chemical and quantity
- Storage method
- Transportation
- Intra-site and on/off-site
- Points of likely spillage

# Spill Response Procedure

1. Contact facility spill response personnel
2. Contain, stop and clean-up spill (personnel safety comes first!)
3. Contact external regulators if:
  - ✓ Spill reaches soil or stormwater system
  - ✓ Exceeds 43 gallons
  - ✓ Exceeds other EPA/DEQ reporting levels (pesticides, chlorinates, solvents)





*A drop of prevention is  
worth a gallon of cure*

Clay Walker  
Well Field Protection Program Inspector  
503-618-2487  
[Clay.Walker@greshamoregon.gov](mailto:Clay.Walker@greshamoregon.gov)

CITY OF GRESHAM