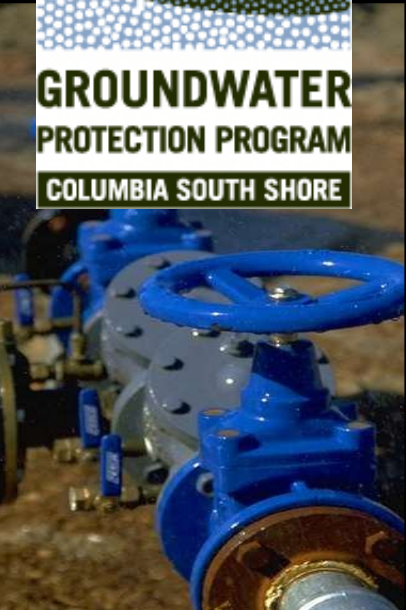


Columbia South Shore Groundwater Protection Program





Annual Hazardous Material Inventory Reporting

Columbia South Shore Groundwater Protection Area



Columbia Corridor Association
In Cooperation with
City of Portland Bureau of Water Works



Basic Requirement

- If **Concentration** and **Inventory** Thresholds Exceeded for One or More Hazardous Material Categories
 - Prepare On-site Hazardous Material Inventory Report
 - Provide Facility-specific Information
 - How/Where Hazardous Materials Stored,
 - Site Features, and
 - Emergency Response Provisions
- Submit to City by November 30 Each Year



Concentration Threshold

- **Liquids**
 - Be Liquid at Ambient Temperature, AND
 - Contain at Least *10%* by Weight of One or More Hazardous Material





Concentration Threshold

- **Hazardous Wastes**
 - No Concentration Threshold
- **Petroleum Fuels**
 - No Concentration Threshold
- **“Non-Fuel” Petroleum Products**
 - No Concentration Threshold





Inventory Threshold

- **Halogenated Solvents** 10 gal (100 lb)¹
- **Carcinogens** 50 gal (400 lb)¹
- **Listed Hazardous Substance** 50 gal (400 lb)¹
- **Hazardous Wastes** 30 gal (220 lb)¹
- **Petroleum Fuels** 50 gal (400 lb)²
- **Petroleum Products** 50 gal (400 lb)^{2,3}

¹Threshold based on Total Quantity of Non-Exempt Hazardous Material Present Within that Chemical Category Onsite at Any Time

²Threshold Based on Container/Tank Liquid Capacity (<50-gal Containers are Not Regulated)

³The Inventory Threshold only Applies to Annual Reporting, Non-fuel Petroleum Products are not Otherwise Regulated



Hazardous Materials

- Halogenated Solvents
 - e.g., TCE, 1,1,1-TCA, PCE, Methylene Chloride
- Carcinogenic Substances
 - e.g., PCBs, Benzene, Cadmium, Nickel, Hexavalent Chromium
- EPA List-of-Lists Hazardous Substances
 - Long List (most comprehensive)
- Hazardous Wastes Regulated by ODEQ
 - e.g., Spent Chlorinated/Non-Chlorinated Solvents, Metallic Plating Wastes, Spent Acids
- Petroleum Fuels
 - e.g., Gasoline, Diesel, Aviation Fuel
- “Non-Fuel” Petroleum Products
 - e.g. Lube Oils, Hydraulic Oils, Oil-based Cutting Fluids/Coolants



Inventory Report Requirements

- Provide copy of *Annual Hazardous Substance Information Survey Report* submitted to State Fire Marshal,
- Provide copy of *Hazardous Materials Inventory Statement* submitted to local Fire Department, or
- Use City-Approved Forms



Inventory Report Requirements

- NOTE:

For Halogenated Solvent Category

- Wellfield Threshold is 10 gallons
- State Fire Marshal Threshold is 50 gallons

If You Have Between 10-50 gallons of Halogenated Solvents Onsite – Report Material on City Forms



Inventory Report Requirements

- For “Non-Fuel” Petroleum Products
 - Do Not Need Detailed Inventory for 2004
 - Only Report whether Threshold Exceeded (>50 gallons in a single container)
 - Designate as “Non-Fuel” Petroleum Products on City Inventory Forms
 - Still OK to Submit State Fire Marshal Report as is



Facility Information Report

- Location Map showing where Hazardous Material and Fuels are Stored/Used
- Routes Used for On-site Hazardous Materials and Fuel Transportation
- Storm Drain locations and Drainage Area Boundaries
- Locations of Dry Wells or Sumps Used for Disposal of Stormwater or Wastewater
- Locations/descriptions of any Spill Containment or Isolation Devices
- Location of Emergency Spill Containment or Cleanup Kits

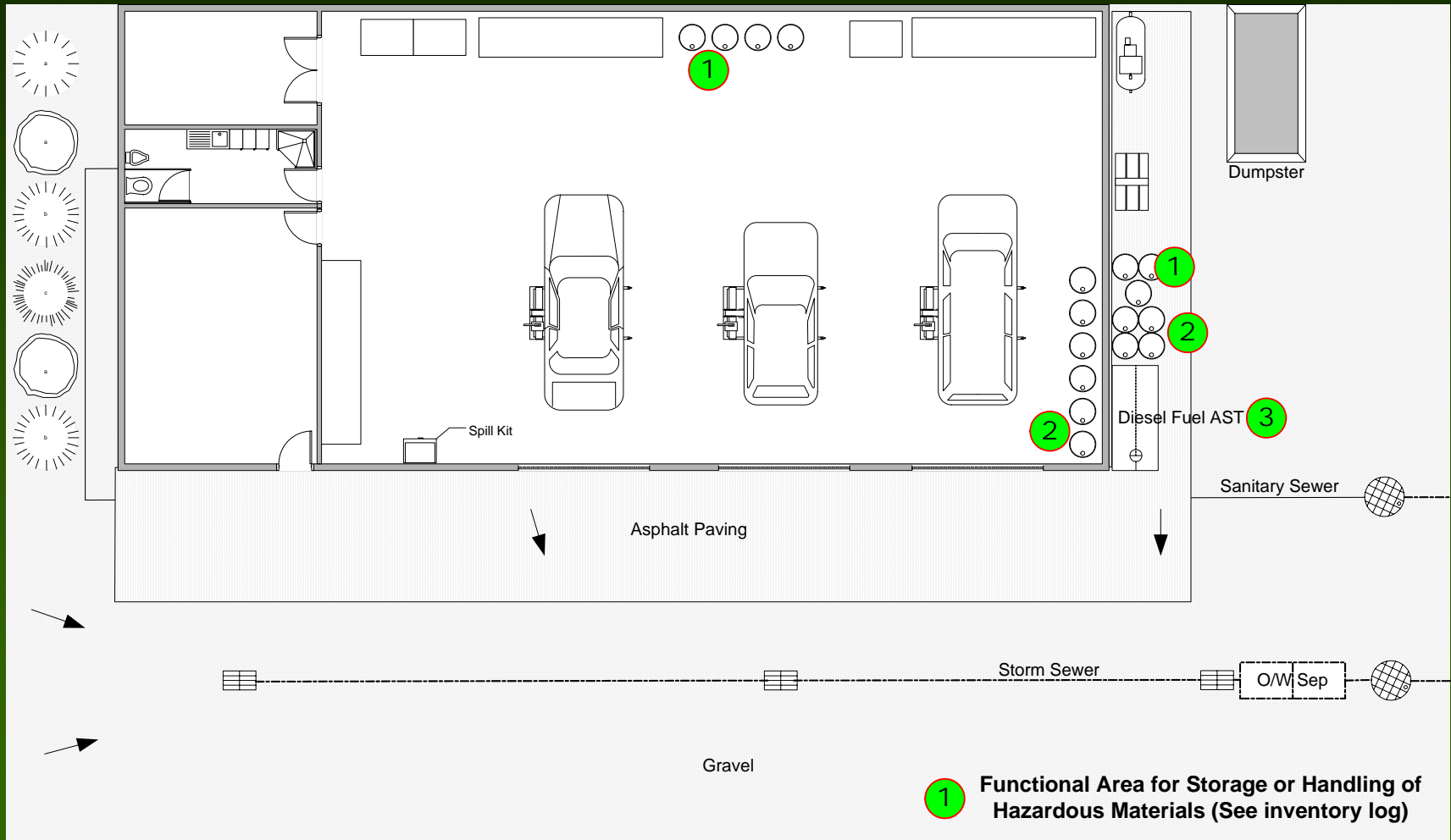


Facility Information Report

- If Equivalent Information Exists, May Submit
 - *Hazardous Materials Management Plan*
(if prepared for local Fire Department)
 - *Stormwater Pollution Control Plan*
(if site has 1200-COLS NPDES permit)
 - *Spill Prevention Control and Countermeasures*
(SPCC) Plan, or
 - *Hazardous Waste Contingency Plan*



Example Site Map





Where to Send Reports

- **Portland**

Rebecca Geisen
Senior Planner
Portland Water Bureau
1120 SW 5th Ave,
Room 600
Portland, OR 97204

- **Gresham/Fairview**

Mike Kelly
Fire Inspector
City of Gresham
Department of Env. Services
1333 NW Eastman Parkway
Gresham, OR 97030



Compliance Schedule

- July 1, 2003 – Program Implementation
- **November 30 (each year, beginning in 2004) – Inventory Reports Due**
- **Phase 1 – June 30, 2005**
 - Storage of Containers **<10x** Thresholds
 - Intra-site Transfer Areas
- **Phase 2 – June 30, 2006**
 - Storage of Containers **>10x** Thresholds
 - Container Load/Unload Areas
- **Phase 3 – June 30, 2007**
 - Tank Management
 - Tanker/Railcar Load/Unload Areas
- **Phase 4 – June 30, 2008**
 - Transportation Routes
 - Public UICs



Inspection Focus

- 2003-2004
 - Preliminary Compliance Inspections Coupled with Routine Fire Inspections
 - Compliance Findings
 - Prefaced Against Schedule Deadlines
 - Technical Assistance Oriented
- 2005 and Beyond
 - Phase-In Enforcement According to Schedule Deadlines



Reference Manual

<http://www.portlandonline.com/water/index.cfm?c=29880>



Technical Resources

- Portland Water Bureau
 - Rebecca Geisen
 - (503) 823-7493
 - rgeisen@water.ci.portland.or.us
 - Reference Manual
 - Implementation Manual (under development, will also be available to Regulated Community)
 - Section-by-Section Guidance
 - Vendors/Products
 - Photographs



Technical Resources

- Columbia Corridor Association
 - Business Outreach, Education, and Technical Assistance
 - Corky Collier
 - (503)287-8686
 - Jeff Dresser, Bridgewater Group, Inc.
 - (503)675-5252 x4
 - jdresser@bridgeh2o.com



**A DROP OF
PREVENTION
IS WORTH A
GALLON OF
CURE**