



PUBLIC WORKS DEPARTMENT
1410 20th St SE • Salem, OR 97302-1209 • Phone 503-588-6063 • Fax 503-588-6394

Pretreatment Considerations Checklist

May 1, 2008

In general, any commercial facility or larger residential facility, has the potential need for pretreatment, based on the **practices of the businesses, business customer(s), or the products/chemicals used within the facility.**

Pretreatment is the goal of removing an identified pollutant from the waste stream to below established limit(s). The task of removing the pollutant is based on the installation of special plumbing fixtures and/or the application of available technology.

Pretreatment may be required either inside the building (plumbing system) or outside the building (building sewer system), or be an Administrative control. It also may include non-discharge facilities and facilities within Salem, or outside Salem IE: Keizer, Turner, Marion County, etc.

Pretreatment system design also includes the development of both long and short term maintenance plans and schedules with the owner, or occupant, of the facility. The system may include requirements for reporting, monitoring, and system alarms.

Sanitary Facilities Considerations

- Private Wastewater collection or treatment systems (monitoring and spill response issues)
- Maintenance, repair, service of heavy equipment, including busses.
- Facilities with existing or proposed pretreatment facilities (air, water, waste)
- Facilities with land application of waste.
- Facilities with evaporation or incineration of waste
- Large Complex Facilities - schools, malls, dormitories, apartments (larger than a 4-plex), mobile home parks, hotels, community centers, etc.
- Care, Nursing, Retirement, Alzheimer Facilities, Hospitals, Emergency Centers, Medical Offices.
- Churches, Association, or Meeting facilities (food services)
- Concrete or asphalt manufacturing, sales, mixing, etc.
- Food or Beverage preparation, cooking, baking, serving, catering, or packaging (including restaurants, food carts, & coffee stands)
- Grocery stores
- Facilities with power generating systems or fuel storage
- Heating Ventilation Air conditioning (HVAC) systems with a liquid heat transfer media
- Chemical or Gas handling, storage, usage, manufacturing, generating, mixing, or applying
- Liquid Capacitor/Transformer handling, manufacturing, repairing, re-cycling, etc.
- Liquid/Wet Fire Suppression systems (anti-freeze loops, main drain discharges)

- Boiler systems and steam generators
- X-Ray, Photo, and Photographic facilities
- Fuel Dispensing & Storage facilities
- Manufacturing
- Fuel cell manufacturing, servicing, repairing, re-cycling, etc.
- Coating, plating, painting, refinishing, or re-surfacing applications
- Metal working facilities
- Jewelers and metal-smithing
- Commercial Refrigeration, Air Conditioners, Chillers, Tower Coolers, Evaporative coolers
- Water source refrigeration or chilling systems (well, creek, or river sources)
- Service, maintenance, and repair of commercial HVAC systems, chillers, tower coolers
- Molding & extruding facilities (wood or plastic)
- Plastic manufacturing, shaping, or re-cycling
- Electronic components manufacturing and recycling
- Water or sewer pumping or storage facilities (spill plans and alarms systems)
- Newspaper, Printing, Silk Screen facilities
- Elevators, and Hydraulic power systems
- Paint, and coating manufacturing, mixing, re-blending
- Facilities with outside practices, manufacturing, repairing, etc.
- Aircraft storage, repairs, service, printing, or washing facilities
- Automotive repairing, painting, servicing, sales, salvage, parting, part sales, customizing, detailing, washing, towing, etc.
- Equipment rental facilities
- Automotive or heavy equipment tire sales or service
- Pharmacy
- Laundry or Dry Cleaning facilities
- Rug or carpet cleaning facilities or businesses
- Nursery/plant sales or care
- Dog & Pet grooming
- Floating facilities (wastewater transfer systems)
- Facilities that saw cut, test, or form Concrete
- Septic systems for non-residential facilities (system pumping restrictions)
- Facilities with plumbing fixtures or systems other than standard restrooms or Single Family residential/home style kitchens

Storm Facilities Considerations

- Private roadways systems (monitoring and spill response issues)
- Private Stormwater collection or treatment systems (monitoring and spill response issues)
- Facilities that will saw cut or form Concrete or Asphalt - as part of site construction or business practices
- Fountains, pools, and spas (require sanitary connection/disposal)
- Ponds "Man made" (effect on water quality at discharge)
- Rock quarry or mining (waste track out and de-watering practice)
- Parking lots of 50 spaces or larger (entire facility, not just improvement areas)
- Parking lots in which washing may be allowed (personal, business, charity, or for profit)
- Parking or operation of heavy vehicles or equipment
- Parking or operation of busses
- Outside business operations or practices
- Ex-filtration Stormwater disposal systems
- Property adjoining wetlands, creeks or rivers
- Hillside properties
- Power Generation systems
- Outside Fuel or Chemical Storage
- Fuel Stations

Businesses listed above under Sanitary Facilities Considerations may also require special Stormwater Facilities considerations, including:

- Auto Parts
- Auto Detailing
- Auto, Truck, RV, and Airplane (washing, fueling, detailing, etc.)
- Food Processing
- Restaurants
- Solid waste handling facilities (as a business or a function in a business)
- RCRA listed sites - Facilities with Chemical handling and storage
- Remediation Sites and Systems
- Facilities Identified as Discharging or Causing Pollution - Retro-fit requirement. Storm Sewer Systems (SRC 73.250) or Sanitary Sewer Systems (SRC 74.110 & 74.120)
- Categorically Defined Facility - in accordance with 40 CFR Part 403