

working for clean rivers

2020 Source Control Manual

The Bureau of Environmental Services works with Portland residents and businesses to protect water quality, public health, and the environment through wastewater collection and treatment, sewer construction and maintenance, stormwater management, and stream and watershed restoration.

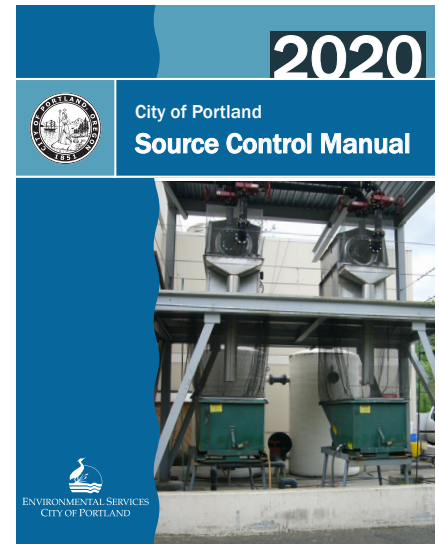
The Source Control Manual (SCM) provides structural, treatment, and operational requirements to prevent pollution of soil, groundwater, and surface waters.

Site activities that must meet SCM requirements include:

- Waste storage
- Food cart pods
- Covered vehicle parking
- Material transfer and loading docks
- Aboveground storage, processing, or transfer of liquids
- Fuel transfer and fuel dispensing
- Equipment or vehicle washing
- Motorized vehicle or equipment storage and repair
- Exterior storage or processing of solid materials

The SCM also includes the following:

- Contaminated site requirements
- Site dewatering requirements



The SCM applies when:

- A project or site has applicable activities
- Applying for permits:
 - new construction
 - redevelopment
 - Site alterations, including tenant improvements, or change of occupancy
- A project or site will have a new discharge location
- A project includes dewatering
- A project or site is contaminated
- A project or site is issued an BES enforcement action or other notification, if a violation of city code occurs or modifications are required.



ENVIRONMENTAL SERVICES
CITY OF PORTLAND

FOR QUESTIONS OR MORE INFORMATION:

Development Review at 503-823-7122
BESSourceControlManual@portlandoregon.gov
www.portland.gov/bes/stormwater/scm

What's changed in the 2020 SCM?

HIGHLIGHTS OF CHANGES FOR ACTIVITIES

Waste Storage Areas

- Changes the description so requirements are not limited to solid waste storage areas.
- Includes requirements for additional secondary containment for restaurant grease and automotive used/waste oils.
- Removes “low-risk” and “high-risk” categories.

Food Cart Pods

- Requires dump station with a grease interceptor for wastewater discharging to the sanitary sewer.

Material Transfer and Loading Docks

- Includes requirements for rail car loading and unloading areas

Aboveground Storage, Processing of Liquid/Materials

- Removes quantity thresholds in exemptions, and adds retail establishment exemption.
- Clarifies valves, pumps, and nozzle requirements.

Fuel Transfer and Dispensing Areas

- Includes required operational best management practices for on-site mobile fueling activities.
- Requires surrounding areas such as high-use traffic pathways to be drained to an oil-water separator with a shut-off valve.

Exterior Storage or Processing of Solid Materials

- Adds sandblast grit, used tires, and waste tires to materials list.
- Sorts examples of materials into categories with requirements.
- Removes use of a temporary cover and only allows permanent cover with canopy or roof.
- Removes “low-risk” and “high-risk” categories.

Motorized Vehicle or Equipment Storage and Repair (car crushers, dismantling, repair, salvage yards)

- Adds an oil-water separator to sewer requirements and provides example specifications and maintenance log.
- Adds requirements to cover and drain to the sanitary sewer working areas where vehicle and equipment repair or dismantling occurs, including areas where parts containing fluids and mercury are dismantled, drained, or crushed.
- Adds requirement for stormwater from storage areas for wrecked or impounded vehicles, junk yards, scrap yards, and repair vehicle parking to drain to the storm sewer.

Contaminated Sites

- Requirements for soil and groundwater sampling added to clarify requirements for use in dewatering, soil management, and stormwater discharge considerations.
- BES will use monitoring results to evaluate if infiltration is feasible as required by the Stormwater Management Manual.


OTHER MANUAL CHANGES

- Includes O&M Form for source control treatment facilities and requires O&M plans to be recorded with County.
- Includes additional requirement to install treatment on a case-by-case basis.
- Simplifies special circumstance review process.
- Replaces multiple forms with one Construction Dewatering Discharge Application Form.

2020 Source Control Manual website:
<https://www.portlandoregon.gov/bes/71086>



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