

O&M Specifications Water Quality Manholes

ONLY professionals with Occupational Safety and Health Administration (OSHA) confined space certification may enter water quality manholes	
Maintenance Indicator	Corrective Action
Structural Components , including inlets, outlets, concrete chambers, pipes and covers, shall be operated and maintained in accordance with the manufacturer's and design specifications	
<ul style="list-style-type: none"> ➤ Missing elbow or T (sedimentation manhole) ➤ Hand pull stuck (spill control manhole) ➤ Clogged catch basins, gutters, inlets or pipes ➤ Diminished capacity of manhole ➤ Cracked drain pipe or concrete 	<ul style="list-style-type: none"> ➤ Install elbow or T on outlet. ➤ Remove rust, dirt, and oils from the pull handle and valve. Remove items blocking the valve and pull handle. Do not use any solvents or chemicals in water quality manholes. ➤ Remove sediment, oil, and debris from catch basins when 1/3 full and from gutters, inlets, outlets and pipes to maintain at least 50% conveyance capacity at all times. ➤ Remove oil, sediment, and debris when sediment is 30% of the capacity or oil is 1 inch deep. ➤ Repair with grout or City-approved material or replace when cracks are 1 inch wide or more.
Vegetation , including surface cover and nearby plantings.	
<ul style="list-style-type: none"> ➤ Large shrubs and trees 	<ul style="list-style-type: none"> ➤ Prevent large root systems from damaging subsurface structural components.

Annual Maintenance Schedule

Summer: Make necessary structural repairs. Remove sediment, oil, and debris from conveyance system and manholes.

Winter: Monitor water level and sediment level.

Spring: Test the pull handle of the spill control manhole.

Maintenance Records:

All facility operators are required to keep an annual inspection and maintenance log.

Record the date and description (and cost and contractor for hired work) for all structural repairs, landscape maintenance, and cleaning activities. Keep contracts and receipts for maintenance work on file and prepare to make available to City inspectors upon request.

Access: Maintenance equipment and labor shall have safe access to facilities at all times.

Pollution Prevention: All sites must implement BMPs to prevent contaminating stormwater. Contact Spill Control at 503-823-7180 for immediate assistance responding to spills. Record the nature and extent of a spill and the response if it impacts stormwater.

Vectors (Mosquitoes and Rodents): Stormwater facilities shall not harbor mosquito larvae or rats that pose a threat to public health or that undermine the facility structure. Monitor standing water for mosquito larvae. Fill holes/burrows in and around facilities. Call Multnomah County Vector Control at 503-988-3464 for immediate assistance to eradicate vectors. Record the nature and extent of vector activity if observed.