

Operations and Maintenance Plan Detention Pipes, Vaults, and Tanks

Facility Description. Detention pipes, vaults and tanks are subsurface structural facilities designed to temporarily hold and slowly release stormwater.	
What To Look For	What To Do
Structural Components , including inlets, outlets, pipes, vaults, and/or tanks.	
<ul style="list-style-type: none"> ➤ Clogged inlets or outlets or diminished pipe, vault or tank capacity ➤ Cracked drain pipe or manhole 	<ul style="list-style-type: none"> ➤ Annually vacuum oil & sediment or when sediment is 1½ ft deep/oil 2in deep. Clean gutters and rain drains twice a year. ➤ Fill or replace when cracks are greater than 1”.
Vegetation , including surface cover and nearby plantings.	
<ul style="list-style-type: none"> ➤ Large shrubs and trees 	<ul style="list-style-type: none"> ➤ Remove to prevent large root systems from damaging subsurface structural components.
Growing/Filter Medium NA	
Maintenance Schedule: <i>Summer.</i> Make necessary structural repairs. Remove oil and sediment. <i>Fall.</i> Clean gutters/rain drains. <i>Winter.</i> Monitor flow through rate. <i>Spring.</i> Clean gutters/raindrains.	
Maintenance Records. Record date, description, and contractor (if applicable) for all structural repairs, landscape maintenance, and facility cleanout activities.	
Monitoring Log. <i>Access.</i> Maintain ingress/egress to design standards. <i>Pollution Prevention.</i> All sites should implement best management practices to prevent hazardous or solid wastes, or excessive oil and sediment from contaminating stormwater. Contact SPCR at 503-823-7180 for immediate assistance responding to spills. Record time/date and weather & site conditions if site activities contaminate stormwater. <i>Vectors (mosquitoes & rodents).</i> 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 small wiggling sticks perpendicular to the water's surface. Note holes/burrows in and around facilities. Call Multnomah County Vector Control at 503-988-3464 for immediate assistance to eradicate vectors. Record time/date and weather & site conditions when vector activity observed.	