

Appendix D

Stormwater Decant Facility Closure Plan

Introduction

The City of Washougal Stormwater Decant Facility (SDF) is located at the Washougal Wastewater Treatment Plant (WWTP). The facility is used by City maintenance personnel and other authorized users to dispose of solids and liquids collected from stormwater facilities. The City does not foresee the SDF being decommissioned, but in the event that does occur, this document provides a closure plan.

Facility Description

The SDF is located at the Washougal WWTP as shown on Figure 1. The SDF was designed as part of the 2014 WWTP Improvements Project. The building dimensions are 120 feet x 39 feet and includes a roof to keep the stored, dewatered solids dry. The Vector Truck Decant Sump channel, located along the east side of the building, is approximately 50 feet x 7 feet. The sump is covered with grating and the vector trucks decant any excess liquid into the sump from the trucks prior to dumping the solids. After decanting any excess water, trucks back up to the curb and dump the solids slurry onto the slab in the southeast corner of the building. The solids continue to dewater and runoff flows into the liquid settling basins on the south end of the building. After a dewatering period of 3 to 5 days, a loader moves the solids to a higher area of the dewatering pad where they will continue to dry and are stored for approximately 6 months before being removed and disposed of in a landfill or for some beneficial reuse. The liquid stream from both the vector truck decant process and solids dewatering runoff flows through a series of three settling basins to remove any additional grit and floating material, including grease and oils. The liquid effluent then flows to MH31 and Influent Pump Station 2 to be treated at the WWTP. There is a sampling port on the 6-inch discharge pipe just outside of the SDF building so that the SDF effluent can be regularly sampled for metals and other contaminants.

Closure Plan

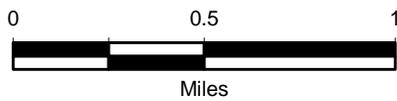
In the unlikely event that the SDF were closed, the City would follow all necessary procedures to ensure that the liquid and solid material still remaining at the facility were disposed of in an environmentally sound manner. With the size of the facility, there is only enough space to store about 2 to 3 months of solids, so the maximum amount of material remaining at the facility to be disposed of would be approximately 250 yards. The remaining solid material would be disposed of in a landfill or for some beneficial reuse, just as any prior removed solids had been. Any remaining liquid material from decanting and dewatering the solids would flow through the settling basins and discharge through the SDF effluent line to the WWTP. A second 6-inch drain line can be opened to fully drain any remaining liquid from the settling basins. There will be some settled solids remaining in the settling basins that will be removed with a small loader. Those solids can be placed on the

dewatering slab for dewatering and drying prior to final removal and disposal with the rest of the solids.

The liquid discharge from the SDF would be sampled using the sampling port on the discharge line and tested for heavy metals and other contaminants. If it were discovered that the SDF effluent contained heavy metals, the effluent would not be discharged to the WWTP.

Once all remaining solid and liquid material is removed from the SDF Building, the building would either be demolished or remain depending upon the City's plan for the building and site.

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Data Source: Esri 2012



<p>Washougal WWTP Upgrades Washougal, Washington</p>	<p>Vicinity Map</p>	<p>Figure 1</p>
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