

Discovery Clean Water Alliance Salmon Creek Treatment Plant Third Annual Open House Summary Report

Public Outreach Overview

In June 2019, the Discovery Clean Water Alliance hosted an open house to share information with area neighbors about the Salmon Creek Treatment Plant operations, odor control and capacity improvements, as well as other future improvements, and to meet and get to know District and County staff. Input was gathered from participants by staff as they visited at information stations.

Outreach Method

Community members were invited to attend the open house via a postcard mailing sent to over 400 area residents on May 15. A save-the-date email was sent to the interested parties list on May 9.

Open House

The open house for the Salmon Creek Treatment Plant was held on Tuesday, June 4th from 6:00 to 7:30 p.m. at the Treatment Plant, located at 15100 Northwest McCann Road. Approximately 19 people attended, as well as staff from the District, Clark County and the consultant team.



The meeting format was an informal meet-and-greet with staff stationed at informational displays to answer questions and talk with neighbors. Attendees were invited to participate in an abbreviated tour of the facility with staff. A total of approximately 15 people, in two groups, toured the facility at different times: 6:15 and 6:40.



Staff field questions and comments from neighbors at informational displays explaining plant functions and improvements.

The informational displays are attached in Appendix A.

Participants were also encouraged to complete written comment cards. No comment cards were submitted.



Neighbors review informational display boards and engaged with staff.

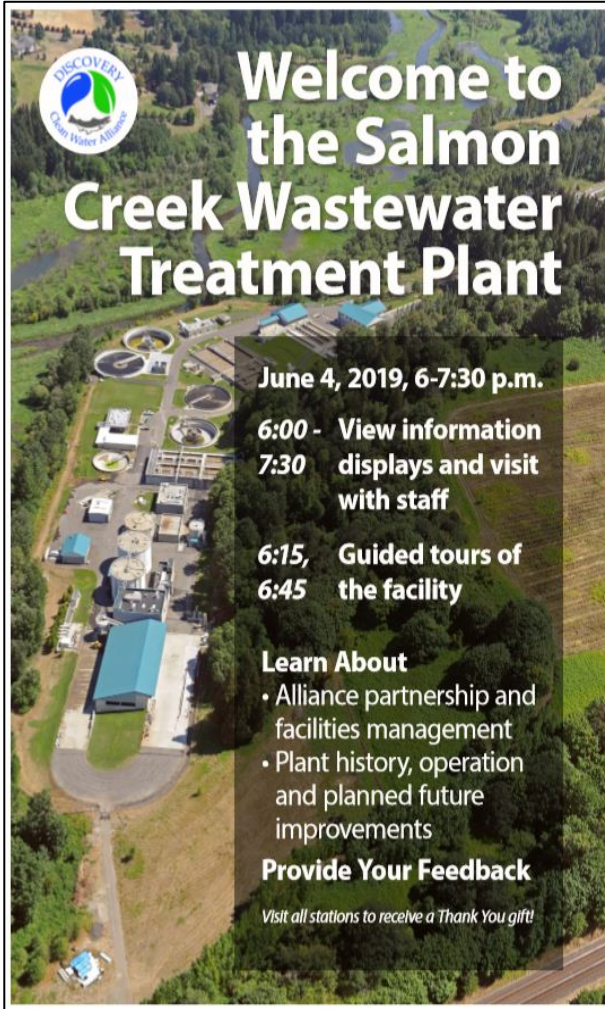
Summary of Public Input

Overall

In general, neighbors in attendance were appreciative of the District for holding the open house to keep them informed. A lot of interest was focused on the odor control project plans and the associated schedule. There were many comments regarding how impressed residents were that there was a large treatment plant in their residential area that wasn't more noticeable. Residents that utilize the kayak launch were happy about unobstructed access to the launch, and highlighted a need to make sure it stays open to neighbors as much as possible during construction. One resident indicated an interest in knowing the latest information about the proposed home above the treatment plant operations building and the potential conflict with the electrical service and driveway access. Overall, the majority of comments were positive, and grateful of the effort to explain to the community how the plant operates and what improvements are being made.



Appendix A – Informational Displays



Welcome to the Salmon Creek Wastewater Treatment Plant

June 4, 2019, 6-7:30 p.m.

6:00 - 7:30 View information displays and visit with staff

6:15, 6:45 Guided tours of the facility

Learn About

- Alliance partnership and facilities management
- Plant history, operation and planned future improvements

Provide Your Feedback

Visit all stations to receive a Thank You gift!



Discovery Clean Water Alliance

The Alliance is a regional partnership created to improve sewer service delivery through joint ownership and management of regional wastewater assets.



Members

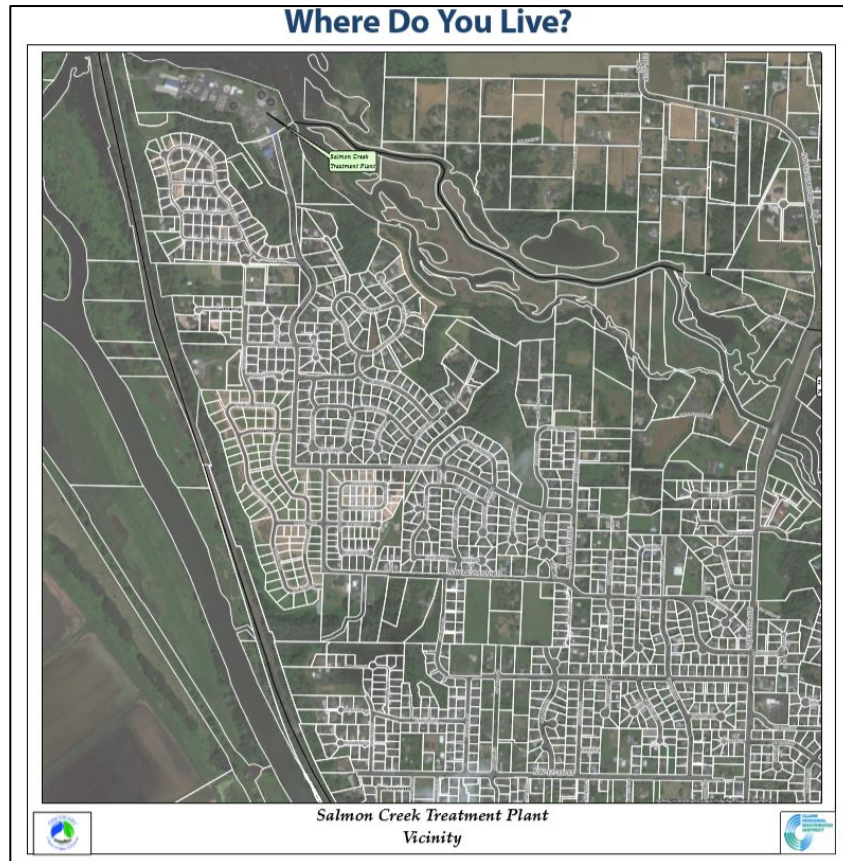
City of Battle Ground
City of Ridgefield
Clark County
Clark Regional Wastewater District



Service Area Assets

Gravity interceptors
Pump stations
Force mains
Treatment plants

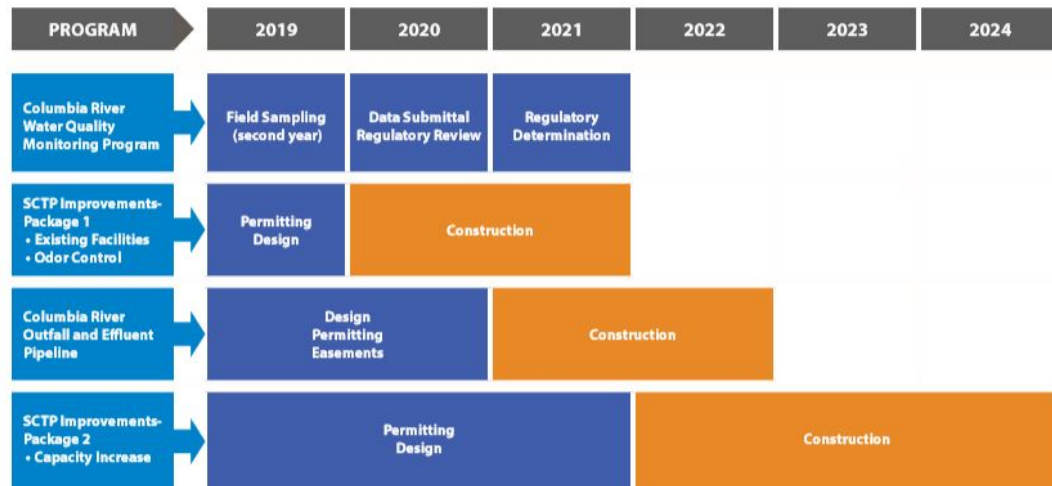
Station 1: Discovery Clean Water Alliance Partnership



Station 2: What Happens at the Treatment Plant

Discovery Clean Water Alliance

Salmon Creek Treatment Plant (SCTP) Phase 5 Program Delivery Timeline



Station 3: Columbia River Outfall and Effluent Pipeline Project

Columbia River Outfall and Effluent Pipeline Project

Overview

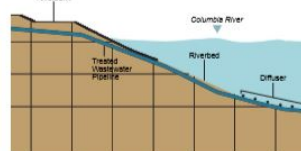
Through an existing 30-inch pipeline and diffuser, built in 1974, clean water, or effluent, is conveyed and discharged into the Columbia River. This project will build a new, 48-inch pipeline between the Salmon Creek Wastewater Treatment Plant and the Columbia River, as well as an improved discharge assembly at the river.



Benefits

- ◆ Ensure continued reliable service at a stable, affordable rate by planning for the long term and coordinating with other projects.
- ◆ Support planned growth within the community.
- ◆ Ensure adequate mixing and dilution of treated wastewater discharged into the Columbia River.
- ◆ Manage shoreline stability at the discharge point.
- ◆ Enable future decommissioning of Ridgefield's aging wastewater treatment plant and outfall into Lake River.

Diffuser



An improved diffuser will ensure that discharge of treated water is mixed and diluted efficiently and will meet water quality standards.

Timeline



Station 4: Salmon Creek Treatment Plant Improvements Project

Treatment Plant Improvements: Odor Control

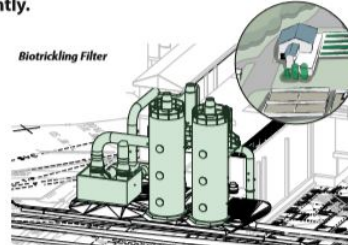
Although our operators take great care in minimizing odors by keeping the treatment processes balanced and operating in a healthy manner, some odors do occur as a result of regular operations. We are undertaking this improvement project to eliminate about 80-90% of the odors nearby neighbors may experience currently.

The new equipment will capture and treat the odor that is generated as a result of regular treatment operations; however, some odor generating events will still occur that will result in minor odor releases from time to time, such as when basins are taken off-line for cleaning and repair.

This project includes installing new odor control systems at the front and back ends of the plant:

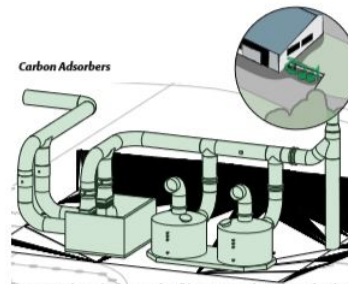
On the front end, new **biotrickling filters** will treat air from the preliminary treatment and primary treatment processes. In order to help collect the air for treatment, new aluminum or fiberglass covers will be added over the Primary Clarifiers.

On the back end, new **carbon adsorbers** will treat air collected from the solids treatment process. These methods have proven very effective in reducing odors and the technologies were selected to specifically treat odors generated at each end of the facility.



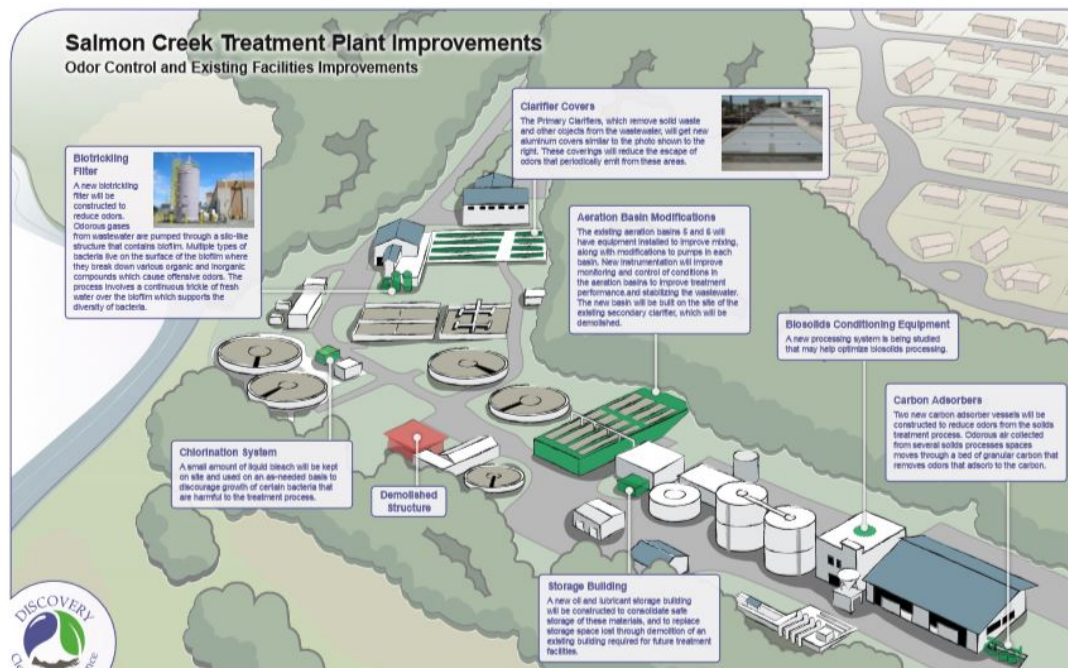
Biotrickling Filter

A new biotrickling filter will be constructed to reduce odors. Odorous gases from wastewater are pumped through a silo-like structure that contains biofilm. Multiple types of bacteria live on the surface of the biofilm where they break down various organic and inorganic compounds which cause offensive odors. The process involves a continuous trickle of fresh water over the biofilm which supports the diversity of bacteria.



Carbon Adsorbers

Two new carbon adsorber vessels will be constructed to reduce odors from the solids treatment process. Odorous air collected from several solids processes spaces moves through a bed of granular carbon that removes odors that adsorb to the carbon.



Appendix B – Event Program

Salmon Creek Treatment Plant Neighborhood Open House

June 4, 2019

Welcome to the Salmon Creek Treatment Plant!
This regional facility is critical to safeguarding public and environmental health, as well as providing for our community's economic future. Thank you for joining us tonight for an opportunity to meet our staff and explore this important regional facility. Visit the stations to learn about:

- The great care we take in operating our facility in a safe, reliable, and cost-effective manner and our ongoing commitment to being a good neighbor. *(Station 1)*
- Our planned future projects to reduce periodic odors, increase treatment capacity, and protect our natural environment and water quality in the Columbia River. *(Stations 2, 3 & 4)*

A Gift from Us to You
To make the most of your time this evening, visit every station and participate in a guided tour of the facility to receive an appreciation gift from us! Just ask us to initial the boxes below at each information station and following the tour. To pick up your gift, be sure to show us your completed checklist before you leave.

☐ Station 1: What Happens at the Treatment Plant

☐ Station 2: Treatment Plant Expansion Program Overview & Time line

☐ Station 3: Columbia River Outfall and Effluent Pipeline Project

☐ Station 4: Salmon Creek Treatment Plant Improvements Project: Odor Control Improvements

☐ Guided Tour of the Facility

Stay in Touch
Please visit our website at www.discoverycwa.org for more information and to sign up for our quarterly e-mail updates. You can also fill out a comment card to let us know what you are interested in about the facility or about future projects.

We appreciate your interest in the Salmon Creek Treatment Plant. Thanks again for taking the time to meet our staff and learn more about this important regional facility.

Visit us online at www.discoverycwa.org

