

Discovery Clean Water Alliance

Regional Biofilter

Open House Summary Report

Public Outreach Overview

In June 2017, the Discovery Clean Water Alliance hosted an open house to share information with area neighbors about plans to construct a new regional biofilter that would address odor issues in the area on a permanent, long-term basis. Input was gathered from the meeting participants on their experience with odor issues, as well as any other questions or comments that they had.

Open House

The open house for the Regional Biofilter was held on Tuesday, June 13th from 6:00 to 7:30 p.m. at the Liberty Bible Church of the Nazarene, located at 12401 NE Salmon Creek Avenue. Approximately 4 people attended, as well as staff from the District and Clark County.

The meeting began with an informal meet and greet with staff stationed at informational displays to answer questions and talk with neighbors. An overview presentation and question and answer period followed. The presentation provided a brief synopsis of the history of the existing District biofilter and odor issues in the neighborhood. The presentation and informational displays also covered the project timeline and construction schedule for the new regional biofilter project.

Appendix A – Informational Displays

Welcome to the Biofilter Open House

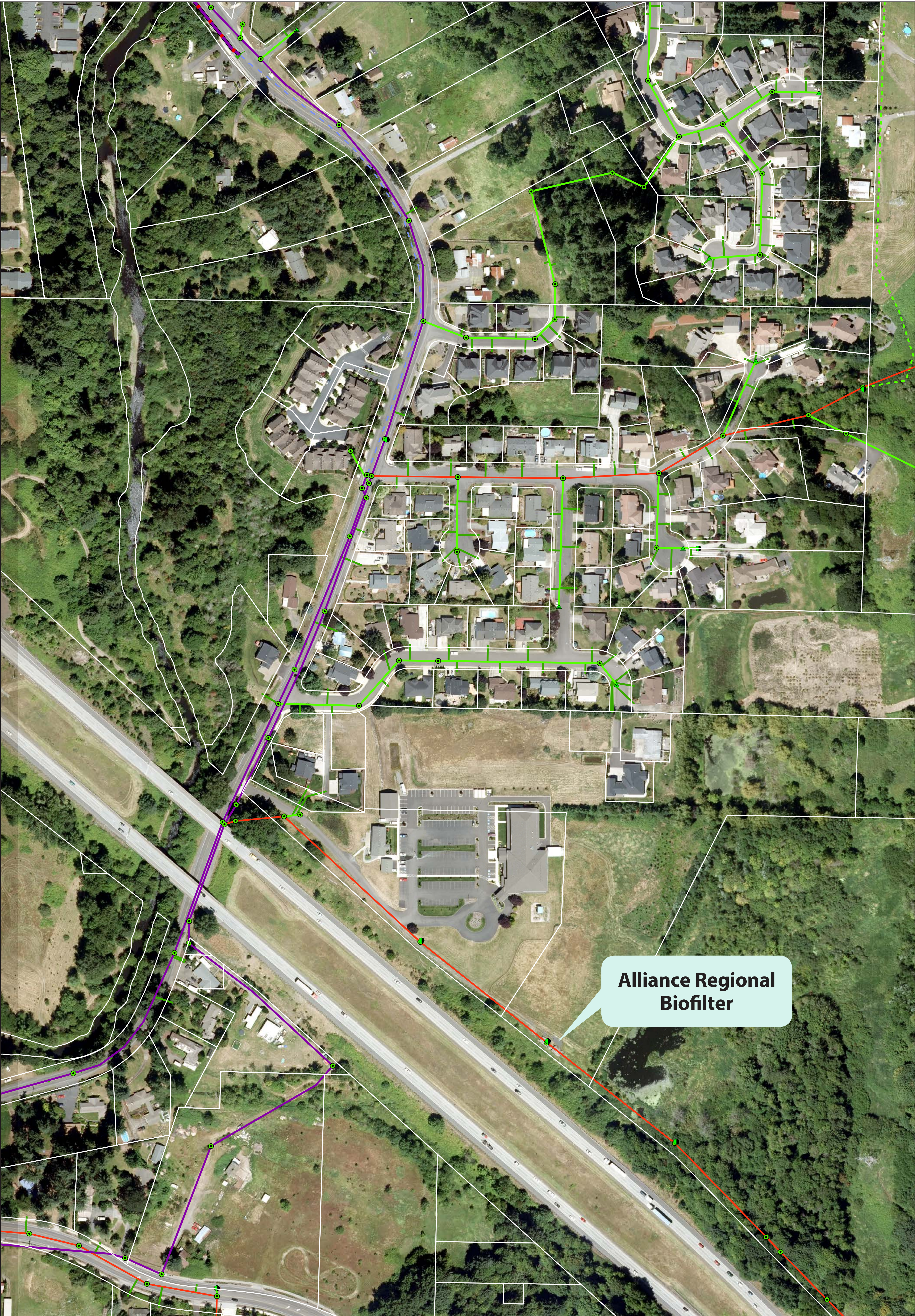
June 13, 6–7:30 p.m.

6:30 Presentation

- Meet and greet
- Learn about the Regional Biofilter project and the Alliance
- Questions and comments



Project Area





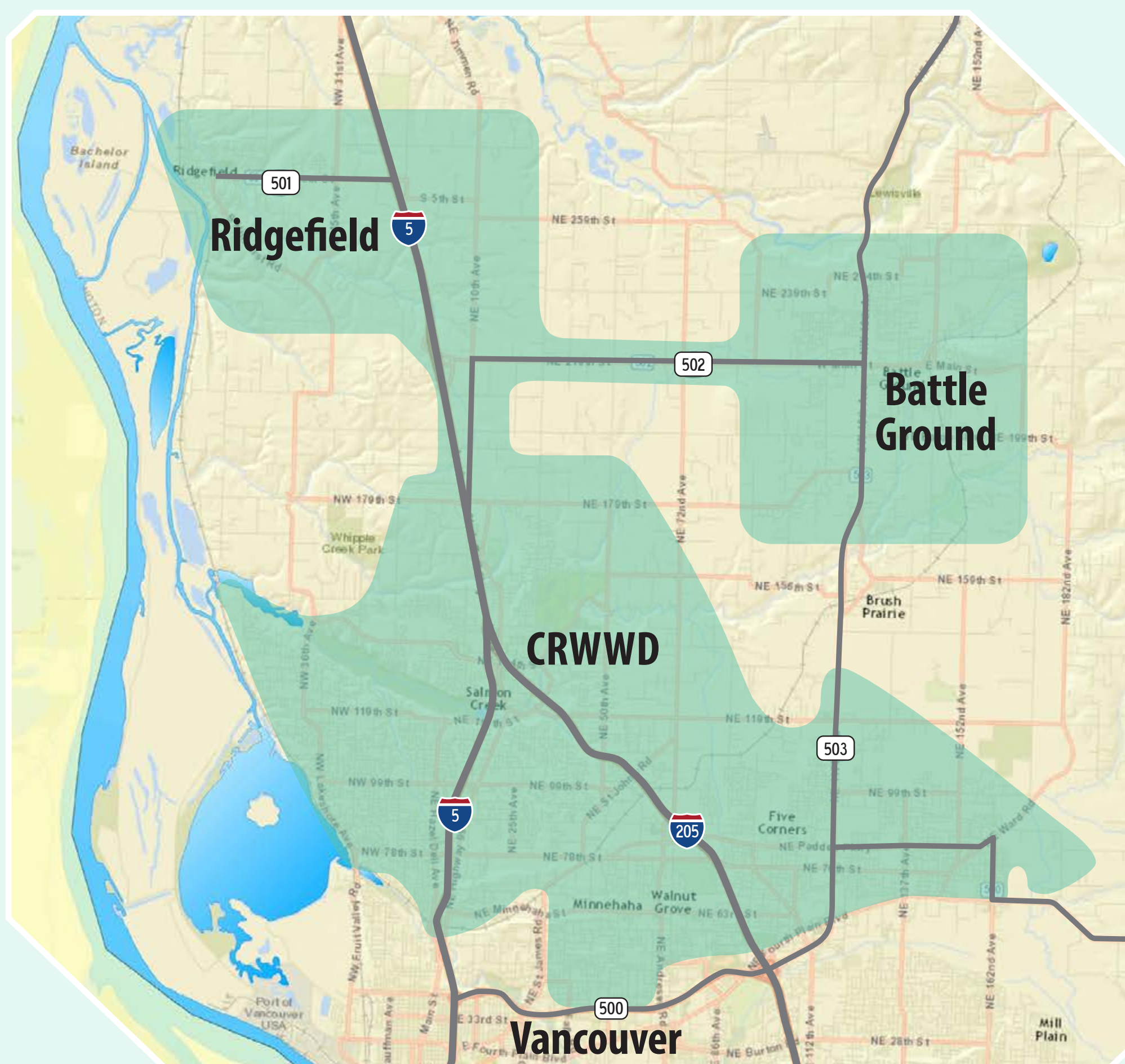
Discovery Clean Water Alliance

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



Regional Assets

Gravity interceptors
Pump stations
Force mains
Treatment plants

Treatment Processes to Date



Chemical treatment for Battle Ground force main (2004)



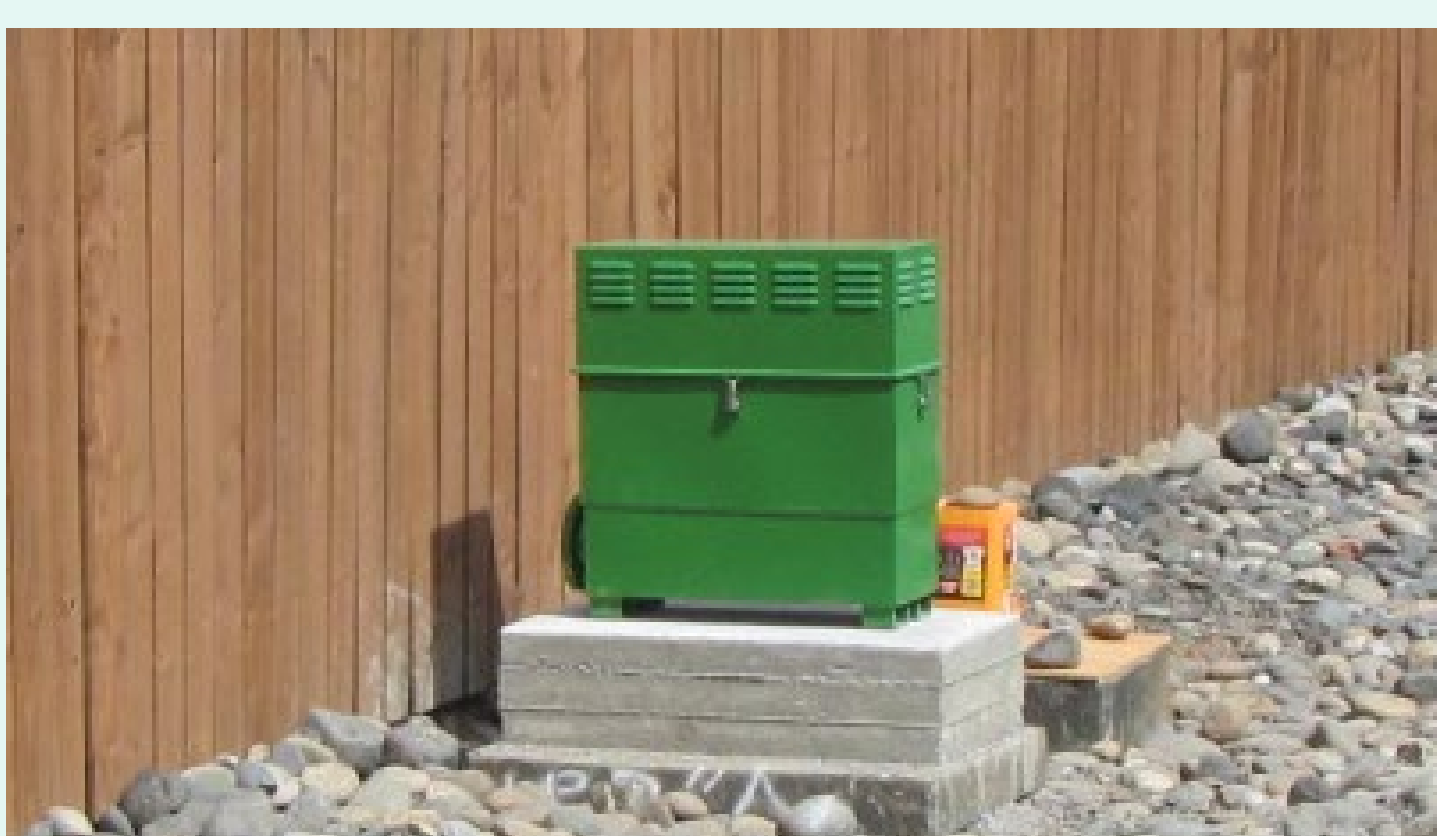
Installation of Kline Interceptor (2004–2007)



Biofilter for St Johns Interceptor (2004)



Equalization basin for Battle Ground forcemain (2015)



Odor canisters for Battle Ground forcemain (2016)

What is a Biofilter?



The biofilter is a “living system” that treats odors from the sewer and helps prevent corrosion.

A fan pulls air from the sewer and pushes it through an engineered media — porous rock covered in a thin layer of bacteria that breaks down unpleasant odors in the air.

Biofilter systems cost less than other odor control methods, are easy to maintain, and extend the life of the sewer by reducing corrosion.

Project Schedule

[illegible]

Appendix B – Overview Presentation

Discovery Clean Water Alliance

Regional Biofilter Project

Introduction and Overview

Open House
June 13, 2017

Laying the foundation
for a vibrant economy
and healthy environment

Welcome & Introductions



• Purpose of Open House:

- Explain the odor challenge in the area
- Review past projects
- Share where we are now, what's new and different
- Provide open forum for information, questions and comments



The Odor Challenge

Unique intersection - two critical regional wastewater systems merge into one

The equation for odors:

Long-distance sewer transport in BG Force Main
 + Geometry of St Johns Interceptor flows
 = Odors and corrosion



History

• Long term efforts to manage the odors

- Coordination among 3 agencies
 (Battle Ground, Clark County, Clark Regional Wastewater District)
- Analysis to understand the flow and system response
- Three coordinated agency solutions



Past Projects



Addition of chemicals into the BG Force Main pipeline (2004)

- Odor control



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Past Projects



Construction of Kline Interceptor (2004 to 2007)

- Replaced Salmon Creek Interceptor with a larger pipe



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Past Projects



Construction of St. Johns Biofilter (2004)

- Odor control



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Recent Improvements



- Equalization basin constructed for BG Force Main
- Ongoing flow management and chemical dosing
- Installed odor canisters along BG Force Main route



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Good Solutions, But More Needed



- Existing solutions contribute to reducing odors
 - ***but there's room to improve!***
 - Dependable solution for consistent odor management
 - Cost-effective
 - Long-term solution
- Next generation:
 - True regional approach
 - More integrated regional system solution



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Newest Solution Underway



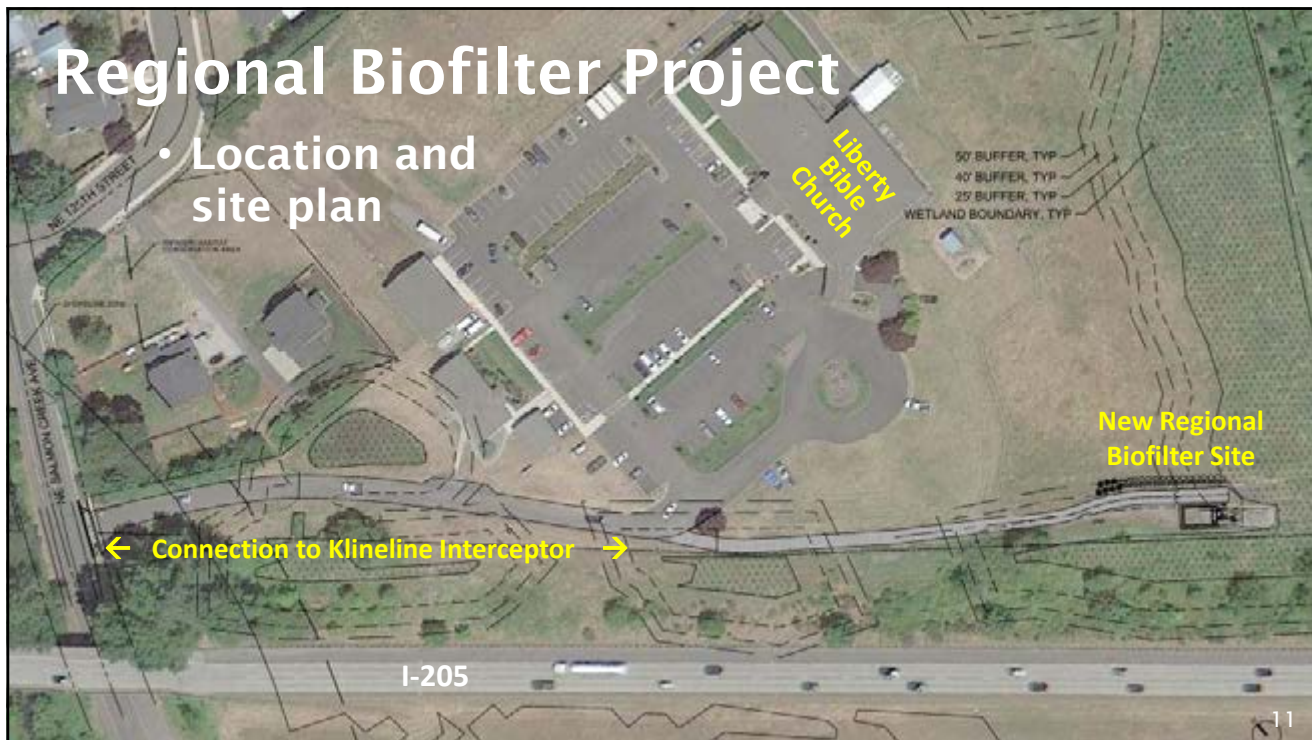
• Regional Biofilter Project:

- Integrated regional system
- Regionally-sized to manage long-term growth
- Leverages newest technologies
- Check out the sample!



Constructing new style of biofilter with engineered media

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Why a New Biofilter Now?

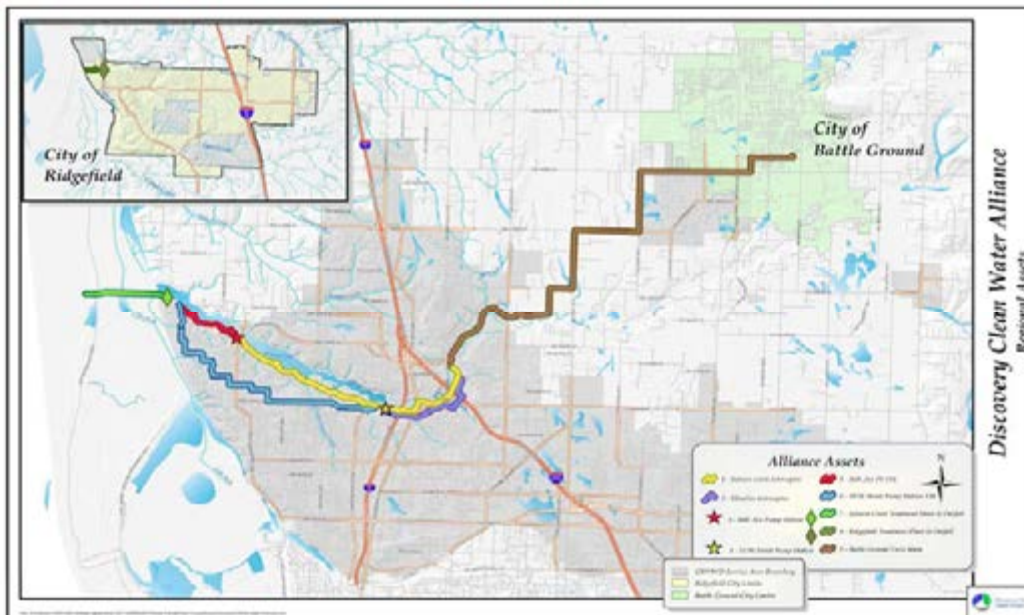


- New era of regional collaboration
 - Formation of **Discovery Clean Water Alliance**
 - Joint ownership of regional wastewater assets - as of 2015
 - Positioned now to own and manage a regionally-integrated system
 - Four-agency partnership
 - Clark Regional Wastewater District
 - Clark County
 - City of Battle Ground
 - City of Ridgefield



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Discovery Clean Water Alliance



- Nine Regional Assets jointly owned and managed by the Alliance
- Regional Biofilter will become tenth asset

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Information



Regional Biofilter Project



- Information available at Display Stations
- Staff available to answer questions
- Comment Forms:
 - Help us know what you want more information on
- Additional information on the website: discoverycwa.org

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Our Commitment To You...

Responsive Listening:



Contact Us with Questions or Comments

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Additional information on the website: discoverycwa.org

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