

# Facility Tours Overview

## PNCWA 2021 Annual Conference

### Workshop: Lander Street Water Renewal Facility

**Date: Monday, September 13, 2021**

**Time: 1:15 - 4:15pm**

The Lander Street Water Renewal Facility (LSWRF) is in Northwest Boise near State Street and Veterans Memorial Parkway near the Boise Greenbelt. Lander Street was built in 1948 and currently treats 10-12 million gallons each day.



LSWRF is comprised of the following treatment processes:

- Preliminary Treatment: Screening and Grit Removal
- Primary Treatment: 5 Primary clarifiers with 2 operated as in-line primary fermenters for VFA production
- Secondary Treatment: Step-Feed Plug Flow Activated Sludge Aeration Basins and Secondary Clarifiers.
- UV Disinfection
- Post Air Blowers
- Discharge into Boise River

The Lander Street Facility has a seasonal Total Phosphorus limit of 1.0mg/L May-September that is met using enhanced biological phosphorus removal. The facility produces high quality effluent that consistently meets effluent TSS, BOD, and Ammonia limits.



The City of Boise is currently planning, designing, and constructing improvements to the LSWRF. Over the next several years, the city will replace aging equipment and processes and add new state of the art sustainable practices at the facility. The City of Boise is currently in the process of replacing the Preliminary Treatment system with a new Influent Structure, new Screenings and Grit Removal systems and replacing the UV facility.



The facility tour will include the different treatment processes previously identified and will highlight some of the current construction improvements. Facility staff will be available after the recorded tour for questions from the audience.

## **Workshop: Cascadia Wastewater Treatment Plant Facility Tour**

**Date: Monday, September 13, 2021**

**Time: 9:15 - 10:15am**

### **Cascadia Wastewater Treatment Plant Facility Tour**



**Pierce County's Cascadia Wastewater Treatment Plant** is a state-of-the-art MBR facility, serving the Employment Based Planned Community of Tehaleh in Bonney Lake Washington. Currently operating in the midst of a phased construction plan, the plant treats an average of .35 MGD to the highest standards in the Pacific Northwest, with plans for much more!

Some of the unique highlights of Cascadia include:

- A phased approach to construction that provides capacity as the community is built out.

- Microdyne Flat sheet membranes producing superior effluent quality.

- Currently operating with liquid stream processes only.

- Built with a public/private partnership that provides an innovative solution to construction and operation issues.

- Intended as a closed loop community.

Follow along with Jon Kercher as we tour the facility and learn more about what makes Cascadia and Tehaleh unique.