

PNCWA2024 Conference Tours

City of Boise Advanced Water Treatment Pilot

Date: September 9, 8:30-11:30 a.m. (includes 1 hour travel)

Address: 7781 S Silicon Way, Boise Idaho

Lead: Brandon Pechin BPechin@cityofboise.org 208-972-0079

Description:

The City of Boise is operating the Advanced Water Treatment Pilot to guide the design of the future recycled water facility. At the pilot, we're testing proven water treatment technologies to determine the best way to produce purified water quality while balancing costs. More than 40,000 samples have been tested from the Advanced Water Treatment Pilot to ensure that the technology produces high water quality. Early results from these samples were presented publicly to a panel of experts for independent review in 2023, and final results will be shared transparently with residents as they become available.

Meridian Wastewater Resource Recovery Facility

Date: September 9, 2:00-5:00 p.m. (includes 1 hour travel)

Address: 3401 N. Ten Mile Rd, Meridian Idaho 83646

Leads: Warren Hudson (Wastewater Superintendent), Brandon Sanford (Operations Manager)

Description:

The Wastewater Resource Recovery Facility is a Biological Nutrient Removal facility. It has an average flow of 9-10 MGD. The wastewater flows through nearly 560 miles of pipe to the treatment facility. There are six major steps in the process which include screening, clarification, aerated treatment, secondary clarification, filtration, and disinfection. There are three projects currently going on which are the Tertiary Filtration Project, Retrofitting Abs 1-4 and construction of Abs 9 and 10, and a Biosolids Dryer.

City of Nampa Water Renewal Facility Tour

Date: September 10, 8:00 - 11:30 a.m.

Address: 340 W Railroad St, Nampa, ID 83687

Leads: Andy Zimmerman, 208-941-9688 and Dave Gassel, 208-573-5101

Description:

Join the City of Nampa on a tour of the newly upgraded Water Renewal Facility, which will recycle 11 million gallons of water a day for domestic, agricultural, and industrial irrigation. This \$182 million project is one of the largest design-build projects in the state. The tour will highlight the major project elements including expansion of the existing secondary treatment system, new tertiary filtration, disinfection, sidestream treatment, expansion of the solids handling facility, and a new pump station and pipeline for recycled water conveyance. Class A water produced through water renewal will ensure resilient water supplies for Nampa's future generations, protect the environment, and comply with current and future permit requirements for effluent phosphorus limits and discharge temperature.

Boise Water Walking Tour

Date: September 10, 1:30-3:30 p.m.

Lead: Steven Drangsolt, Parametrix, sdrangsolt@parametrix.com; Abby Hayden and Andrea Leonard, City of Boise Environmental Specialists

Description:

For a change of scenery during the conference, come and enjoy a guided walking tour of some of Boise's iconic water areas including the Boise River, Julia Davis Park, and geothermal heating system. While we may be known as the City of Trees, we could also be known as the City of Water. On the tour, you will learn about our water management practices and engineered approaches to keeping Boise the best place for our community. Highlights include Boise State University's water management and civil engineering programs, a geothermal injection well, green design stormwater management, and a final stop at Boise Brewing to discuss the impact of industry on water management.