



CITY OF PORTLAND ENVIRONMENTAL SERVICES



Columbia Boulevard Wastewater Treatment Plant

5001 N Columbia Boulevard, Portland, Oregon 97203 ■ Nick Fish, Commissioner ■ Michael Jordan, Director

**Bureau of Environmental Services (BES)
Columbia Boulevard Wastewater Treatment Plant (CBWTP)
Citizens Advisory Committee (CAC)
Meeting Minutes – January 24, 2018**

Attendance:

Citizen Members: Pam Arden, Gordon Bussey, Matthew Denton, Cara Poor
Staff Members: Steve Behrndt, Mike Ciolli, Ning Jiang, Christa Overby, Lynn Sandretzky, Paul Suto
Guests/Presenters: Muriel Gueissaz-Teufel, BES Senior Engineer; James Hutton, BES WG Administration

Welcome, Introductions, and Announcements

Lynn Sandretzky, BES Wastewater Group Business Operations Manager, welcomed the CAC members and thanked them for taking time to attend the meeting. She shared that Steve Behrndt was in Phoenix and conveyed his regards. She also shared that the agenda included Topics for the CBWTP Newsletter, Plant Performance & Odor Monitoring 2017 Recap, and two Project Updates.

CBWTP Newsletter - Topics

Ning Jiang, BES Community Outreach & Information Representative, shared that the 2018 CBWTP Newsletter will be released in the summer. She asked the CAC members for any topics that they would be excited to read about. Pam Arden recommended discussing the 20" Inverness Force Main Repair project and the work at Triangle Lake. She also shared the importance of encouraging the public to report odors that cross the fence line. Lynn Sandretzky shared the importance of reminding people of the progress we have made in odor control. Gordon Bussey recommended an article on the modification of the fence line on the east side of the property. Writing about the restoration of the vegetative area would be a good idea as well. Cara Poor recommended a piece on the progress of the Biogas projects, including the new fuel island. Ning Jiang thanked the members for their ideas and shared that she will compile the newsletter topics and send it to Lynn Sandretzky.

Plant Performance and Odor Monitoring 2017 Recap

Mike Ciolli, BES Operations Wastewater Treatment Manager, shared a recap of plant performance and odor monitoring for 2017. For the year, nearly 32 billion gallons were treated, with an average daily flow of 87.6 million gallons. This includes the particularly rainy first three months of the year. To meet permit obligations, our Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS) are required to be below an average of 30 per month. CBWTP had an impressive performance for the year with both values being below 10 for some months.

In the last six months, we have had only one Combined Sewer Overflow (CSO). It was at Alder Pump Station in southeast Portland due to a rainsquall in the area. Pam Arden asked if the local landscape had an impact on this. Mike Ciolli shared that storms can come in and stall over the SW or SE areas of the city and create very different kinds of weather on either side of the river. This is influenced by the various local geographic configurations.

In 2017, BES received 8 odor complains, 3 of which were in August. The first complaint came on August 17th, and was associated with the headworks odor treatment being offline during PLC maintenance work. After the work was completed, odor treatment systems were restored and odors were captured and treated onsite. A second complaint was received on August 18th and was likely associated with the trucking schedules of the rendering transfer station on Columbia Boulevard. The last odor complaint was on August 23rd and originated over 2 miles south of the treatment plant. Upon further examination, all odor control facilities were functioning as designed and there was no indication of odors leaving the facility. The 5 other complaints for 2017 were discussed in prior meetings.

Projects Update

Muriel Gueissaz-Teufel, BES Senior Engineer, shared information on key projects as follows. For additional project updates, please see the attached file.

- Phases 3 and 4 of the Lagoon Reconstruction project are proceeding with solids being transferred from the north cell to the south. The Contractor is working with the railroad company to widen the abutment over the public trail to facilitate access during construction activities. There hasn't been much activity since the last CAC meeting, as the site was winterized and mostly monitored during the winter for dewatering. Work is expected to resume in the spring with heavier construction next summer.
- The CBWTP Outfall No.03 Improvements project has had internal and external inspections conducted in August and September 2017. Design completion is currently projected for January 2019. Project completion is scheduled for April 2020. However, the inspection of Outfall 01 in August showed 5 of 36 diffusers buried and the project team is considering including Outfall 01 into the scope of the project. Doing so may require council action and modification of the schedule.
- The Tunnel Piping project involves replacing washwater and hypochlorite lines throughout the treatment plant. An alternative contracting approach was approved by Council last fall and is anticipated to yield better cost and schedule certainty. The target is to advertise in February 2018.
- The 20" Inverness Force Main Repair project has been awarded to Parametrix and is currently in design. Design completion is targeted for February 2019 with construction and bridge closure scheduled for August 2019.
- The Secondary Treatment Expansion Program is continuing through the contracts procurement phase. City Council approved an alternative contracting method in October 2017 with Qualifications-based selection. Program support services was awarded to Stantec. Design services was awarded to Jacobs (previously CH₂MHill). Construction Manager and General Contractor selection is ongoing. Design is scheduled to begin July or August 2018.

Energy Projects Update

Paul Suto, BES Principal Engineer, shared an energy projects update.

- The Compressed Natural Gas (CNG) Fueling Station construction was completed December 2017.

- The Renewable Natural Gas (RNG) Production Facility has been awarded to McClure and Sons Inc. A Notice to Proceed was granted in January 2018 and is scheduled to be completed between March and June 2019. Completion of the Interconnection Facility is targeted to be completed by NW Natural in December 2018. The interconnection agreement with NW Natural to connect the RNG produced to NW Natural's system is currently being finalized. The contract for the fuel buyer (Clean Energy Renewable Fuels) is also being developed.
- Design of the Organic Waste Receiving Station will begin February 2018. It is targeted to be complete in December 2019. The Sourcing Agreement between Waste Management (WM) and BES is being developed. The offsite WM CORE Facility, which will process the Metro regions food scraps into a slurry for delivery to CBWTP, is currently in the permitting process.

Next Meeting

April 25, 2018

Attachments

Plant Performance 2017 Recap

CBWTP Project Updates for January 24, 2018

CBWTP Energy Projects Updates for January 24, 2018