

## **Gresham Wastewater Treatment Plant Tour**

**December 5<sup>th</sup>, 2024, 1:00 pm – 3:00 pm**

### **Agenda:**

The Gresham WWTP is located at 20015 NE Sandy Boulevard in Northwest Gresham, Oregon. The tour will focus primarily on the Thickener Building, Solids Building, Digester Building, and Solar Array. As time allows the tour will also include a look at the disinfection process with ongoing construction of improvements. The primary process areas that will be covered include:

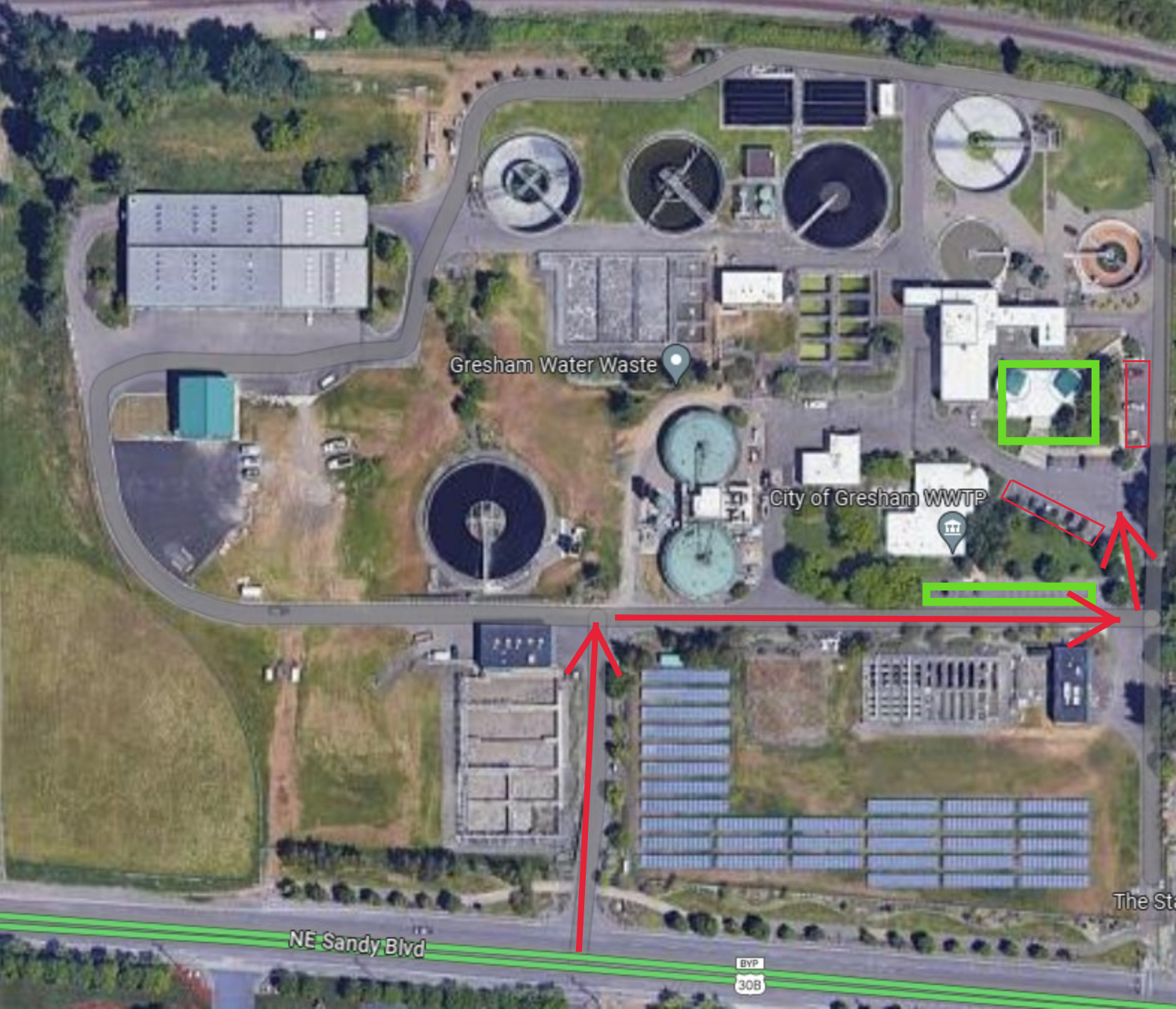
- Thickener Building – Formerly gravity thickeners, this structure was mothballed in the 1980s and reclaimed as office space in the early 2010s. The building is LEED certified.
- Solids Building – Houses sludge thickening and digestate dewatering equipment. The WWTP recently completed replacement of 33-year-old gravity belt thickeners with rotary drum thickeners and is in the design phase of replacing similarly aged belt filter presses with centrifuges.
- Digester Building – The Digester Building is the process area for FOG receiving, biogas treatment, and cogeneration. The processes in this building provide the WWTP with electrical net-zero capabilities with 30,000 gallons of FOG storage, capacity to remove H<sub>2</sub>S, moisture, and siloxanes from the biogas, and two 400kW CHP engines.

Attendees will meet at the Thickener Building for lunch ahead of the tour and will regroup there following the tour. See the included map for onsite routing and parking instructions.

### **Speaker Bio:**

The tour will be led by Jacob Corum, EI, an Engineer 1 at the City of Gresham WWTP. Jacob has served the City of Gresham for 4 years in his current position and 6 years total including two years as an operator at the facility. Over those 6 years, Jacob has gained Oregon Engineering Intern, Oregon Grade II Wastewater Treatment System Operator, and OSHA 30 certifications. Among many duties, Jacob's responsibilities include FOG Program Coordinator, Energy Management Lead, Asset Management Coordinator, and CIP Construction Inspector for the WWTP.





Gresham Water Waste

City of Gresham WWTP

NE Sandy Blvd

BYP  
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