



SALMON CREEK WASTEWATER TREATMENT PLANT SOLIDS HANDLING IMPROVEMENTS

Project Summary

- This work was conducted in an operating wastewater treatment facility.
- This project was contractor designed work that included owner furnished equipment.
- The temporary facilities were installed to maintain continuous treatment plant operations.
- Demolition of existing structures and equipment.
- Civil sitework, including dewatering, temporary and permanent shoring and retaining walls, and excavations, underground utilities, paving and site restoration.
- A new concrete anaerobic digester.
- New digester support equipment, including gas-hold covers, gas safety equipment, pumps, boilers, hot water circulation system, and related piping for the new and existing digesters.
- Modifications to existing odor control equipment.
- Retrofit of the existing Operations Building including the construction of two additional rooms within the square sludge holding tank.
- New owner furnished screw press sludge dewatering system and new truck loading conveyors.
- Work also included seismic control service for dewatering system and connection to the temporary odor control system.

Equipment and Systems Overview

- Seismic controls for electrical systems
- Raceway, boxes, supports
- 600V conductors and cables
- Motor Starters
- Panelboards
- Transfer Switches
- Switches & Circuit Breakers
- Switchboards
- Grounding and Bonding
- Low Voltage Transformers
- MCC
- Lighting
- Engine Generator
- Process Instrumentation incl. flow meters, level meters, level switches, pressure gauges, manometers, etc.

Offeror Role

Subcontractor

Owner Information

Southwest Suburban Sewer District
The District Office is located at:
17840 Des Moines Memorial Dr. So.
Burien, WA 98148
206.244.9575

Contract Amount & Type

\$ 2,648,454.00—Firm Fixed Price

Customer Information

Prospect Construction
116 23rd St Puyallup, WA 98372
Ryan Sondgroth, *project manager*
253.446.1600
rsondgroth@prospectconst.com

Project Start and Finish Dates

11/26/2018—12/17/2020

Project Location

Salmon Creek WWTP
17840 Des Moines Memorial Drive
Burien, WA 98148

Burke Electric Scope

- Temporary facilities to maintain continuous treatment plant operations.
- General Electrical in New Lab/Office Building constructed over an existing chlorine contact tank.
- New electric power and control systems, including replacement of switchboards transfer switches, motor control centers, control panels, and a new engine generator, including some owner furnished equipment.
- Testing and Commissioning
- Demo and removal of electrical systems
- Install electric power, control and instrumentation system modifications
- replacement of switchboards, transfer switches, MCC's, control panels and a new engine generator including owner furnished equipment
- Control system integration
- (2) New ATS
- Arc Flash and Short Circuit Coordination Studies

Burke Electric Project Personnel

James Traver, *General Foreman*
Scott Mosley, *Project Manager*
Dominic Burke, *COO*
Katie Morton, *Safety Manager*



13563 SE 27th PL Bellevue, WA 98005
425.644.0351 - www.burkeelectric.com