

DECANT WASTE PROCESSING FACILITY

Owner: Seattle City Light
Contact: Ruth Meraz-Caron, Project Manager, 206.684.3094
Completed: 2013
Project Costs: Design & Construction Mgmt. Services – \$374,167
Construction Cost – \$2,328,782



In 2012, Gray & Osborne was contracted by the City of Seattle for design services of a Decant Waste Processing Facility. This facility was to accept electrical vault hydro-excavation waste from vector trucks within the utility's service area. The facility contains both indoor and outdoor use areas. Outdoor areas include sloped concrete pads, adjustable gates, and baffled vaults for sediment retention and settling. The facility also contains an indoor treatment room that includes equipment designed for additional sediment filtration, oil and grease separation, an automated backwash filtration system, activated carbon filtration, and a small workstation for record keeping and water sample preparation. After completing the treatment process, filtered water is then retained in two 4,000-gallon holding tanks for testing and ultimately discharge to the sanitary sewer system. The project also included the design of a 4,500 square-foot vehicle storage building.

Team Members

Steve Clarke, P.E., P.M.P., Project Manager	John Gallucci, P.E., Electrical Engineer
Keith Stewart, P.E., Design Engineer	Aaron Pease, P.E., LEED A.P., QA/QC
Russell Porter, P.E., Water Treatment Design & QA/QC	Siew Tan, P.E. (PanGEO, Inc.), Geotechnical
Myron Basden, P.E., S.E., Structural Engineer	