

JONATHAN R. ARCHIBALD, PE

Education

BS, Civil and Environmental Engineering, UCLA, Westwood, CA.
Cold Regions Engineering Course, University of Washington, WA.

Specialty Certifications

Professional Engineer – Civil Engineering, Washington (No. 46557),
Oregon (No. 67087PE)



Professional Affiliations

American Society of Civil Engineers
American Public Works Association
Association of State Floodplain Managers

Professional Experience

Jon Archibald is a Project Director with over 25 years of experience. He has strong expertise in the leadership of multidisciplinary design teams, storm water facility design, site civil engineering, and capital project execution. Jon has served clients in the solid waste, municipal, aviation, military, high tech, hydroelectric, and flood risk sectors.

He successfully delivered several capital programs as a public works project manager for the City of Oregon City, OR. He has also assisted public agencies as an owner's engineer. His combination of public and private experience helps foster collaboration on challenging design and permitting efforts.

Jon has delivered dozens of successful civil and water resource projects in the Pacific Northwest, California, and Alaska. Projects have included site civil infrastructure, private and public utility design, hydrologic and hydraulic modeling studies, and design and accreditation of flood control systems.

Select Project Experience

The following is a short list of example projects demonstrating the variety and depth of Jon's work across the water resource practice area. Additional project descriptions can be provided, upon request.

Kittitas County, New Waste Transfer and Composting Facility, Ellensburg, WA. Lead civil engineer responsible for the conceptual grading, drainage and site utility design, as well process liquids management and stormwater management for a new facility. Finalizing the site layout concept and collaborating with client and agency stakeholders on issues ranging from the floodplain adjacent to the site to adequate process water storage and stormwater management.

Douglas County, Waste Transfer Station Stormwater Retrofit, Reedsport, OR. Civil engineer on a site retrofit to improve treatment of storm runoff from the site. The water quality treatment train includes grassed swales, hydrodynamic settling and proprietary treatment measures. Jon developed the initial design concept.

Douglas County, Waste Transfer Station NPDES Permitting, Various Locations, Southern Oregon. Developing conceptual treatment designs to renew NPDES permits for stormwater discharges at 9 transfer station locations. In most cases these efforts require stormwater treatment design, Operations and Maintenance guidance, and stormwater pollution control plans.

Meridian Hill Compost, LLC, New Composting Facility, Lewis County, WA. Designing concept-level runoff and process water ponds as well as the stormwater treatment design for a new state-of-the-art composting facility. The project includes a complex mass balance analysis to govern the capture and interplay between site storm water and process water.

Confidential Client, Waste Transfer Station, Kitsap County, WA. Worked with the client's architect to develop the initial site layout concept, then performed the site civil engineering and stormwater design for a new waste transfer station which included pavement, grading, site utilities, several stormwater infiltration ponds and a new rail spur.

Confidential Client, New Concrete Recycling Facility, King County, WA. Signing civil engineer and finalized concept development on the stormwater treatment system for a concrete recycling facility, including grassed swales, an engineered sediment basin and a pumped conveyance system.

Confidential Technology Client, Industrial Water Quality Ponds, Washington County, OR. Initial concept development, alternatives analysis, permitting, and construction services on a project to retrofit two ponds serving 60 acres of a technology manufacturing campus. The retrofit incorporated a pumped, interconnected zinc and copper treatment system. Jon led the conception of the project from an alternatives analysis process through construction and coordinated as the consultant lead with mechanical, electrical, and process engineers.