



Naho Garvin, E.I.T. - Project Engineer



Ms. Garvin joined AQUA in 2012 with a background in civil/environmental engineering. Her specialties include wastewater treatment, water resources, environmental quality analysis, hydrology and hydraulics. She currently is tasked with civil engineering responsibilities on several major projects including the Tooele City, UT WRF Upgrade, a Provo City, UT UV Disinfection project, and several projects with Salt Lake City Department of Public Utilities.

Education

B.S. Environmental Engineering, Utah State University, 2009
M.S. Environmental Engineering, Utah State University, 2012

Experience

3 total years

Specialties

Wastewater Treatment
Water Resources
Environmental Quality
Analysis
Hydrology
Hydraulics

Project Experience

2013 Western Riverside County Regional Water Authority, CA Expansion Plan.

Evaluated feasible options for expanding the facility capacity from 8 mgd to 12 mgd.

2013 Fort Shafter Flats, HI Pump Station Conversion.

Planning and preliminary design for the conversion of the existing pump station to a 2 mgd membrane facility to produce reuse quality water.

2013 Salt Lake City Wastewater Treatment Facility - Salt Lake City, UT - \$5 million.

Design of new thickening facility for Salt Lake City. (include Hot Water project?)

2013 Salt Lake City, UT – Jordan River Aeration Study

Provided alternatives analysis, site selection, predesign, pilot testing and design services for the implementation of aeration of river during periods of low dissolved oxygen content. Also included with water quality monitoring, load assignments, organic matter removal and best management practices.

2013 Spanish Fork City Wastewater Treatment Facility Upgrade - Spanish Fork, UT

Primary clarifier mechanism.

2013 Skyline Energy Recovery Project - Beaver, UT

Collected swine manure to produce biogas from two 10 million gallon anaerobic digester basins. Conditioned biogas to burn with two 1.6 MW engine generators.

2013 Springville, UT – Five-year Budget Analysis

Prepared cost analysis and engineering report for Springville City regarding to upgrades for their wastewater treatment facility. The project includes; new anoxic basin installation, thickener upgrade, and new phosphorus removal system.

2013 Provo City Wastewater Treatment Facility - Provo, UT - \$6 million.

Expansion of sludge dewatering facility including a new building, centrifuge, and upgrades.

2012 Tooele City, UT Water Reclamation Facility - Phase 1B Upgrade - \$4 million.

Design and construction which added UV disinfection, digestion, and solar drying to the facility.