



## Justin R. Logan, P.E. - Principal



*Mr. Logan has over 13 years experience in the engineering profession, during which he has been involved in a wide variety of engineering projects, but mostly with wastewater treatment facilities. During the past 11 years with AQUA, Mr. Logan has worked on over 50 wastewater treatment facilities. His responsibilities include facility planning, development of processes, plant configuration, process layout, construction drawing development, and construction management. He is tasked with specifying, procuring, and expediting major owner furnished equipment.*

### Education

B.S. Civil & Environmental Engineering, Brigham Young University, 1998

M.S. Civil & Environmental Engineering, Brigham Young University, 1999

### Registration

Utah, Nevada, Arizona, California

New Mexico, Hawaii, Idaho, Colorado

### Experience

13 total years

### Specialties

- Wastewater/Treatment
- Pump Stations
- Water Storage
- Flood Control & Drainage
- Mechanical Installations

## Wastewater Project Experience

### 2013 Western Riverside County Regional Water Authority, CA - \$5 million.

Aeration Upgrade adding diffusers and blowers to the existing process to improve efficiency and restore capacity of oxidation ditch.

### 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 Rexburg City, ID Wastewater Treatment Plant - \$9 million.

Expansion and Upgrade utilizing a fixed film process followed by existing oxidation ditches to bring the plant to capacity of 4.8 mgd, adding ultraviolet disinfection, and belt press facility.

### 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.

### 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.

### 2012 Orem City, UT, Water Reclamation Facility - \$18 million.

Complete remodel and expansion of activated sludge (oxidation ditch) facility, adding nutrient removal, ultraviolet disinfection, reuse, thermophilic digestion, and the capacity to 13.5 mgd.

### 2012 Las Gallinas Valley Sanitary District, CA Recycled Water Facility

Added membrane and UV disinfection treatment to produce title 22 water at the existing WWTP.

### 2012 Town of Taos, NM Wastewater Treatment Plant - \$7 million.

Expansion and Upgrade utilizing an MBR process to bring the plant to a capacity of 2 mgd.

**2011 Willow Creek, CA Wastewater Treatment Plant - Upgrade**

includes improvements to the headworks and equalization capacity of the facility.

**2009 Imperial, CA Wastewater Treatment Plant - \$20 Million.**

5 mgd Zenon hollow fiber membrane system, expandable to 15 mgd. Fine screening, process tanks and biological treatment systems, UV disinfection facility, RIBs and Standby power.

**2009 Heber, CA Wastewater Treatment Plant - \$10 million.**

1.2-MGD activated sludge treatment plant facility expansion.

**2008 West Wendover, NV Wastewater Treatment Plant.**

Facility planning and design of upgrade to a MBR system and improvements to the headworks facility, including new screening and washing equipment, HVAC and utility water system.

**2009 Inscription Canyon Ranch, AZ Wastewater Treatment Plant -\$4 million (est.).**

0.5mgd Kubota flat plate MBR with fine screening, process tanks and biological treatment systems, UV disinfection facility, lab and operations building and standby power.

**2008 Tooele City, UT Wastewater Treatment Plant - \$8.5 million.**

Expansion to bring the plant from 2mgd to 4mgd in two phases.

**2008 San Felipe Pueblo, NM Wastewater Treatment Plant - \$4 million.**

300,000 GPD Kubota Flat Plate MBR expandable to 900,000 GPD, includes offices, a small lab, biosolids dewatering, and a pump station to deliver treated water.

**2009 Springville City, UT Wastewater Treatment Plant - \$11 million.**

Expansion and Upgrade utilizing a STM Aerotor process that is in construction to bring the plant to a capacity of 6 mgd.

**2007 Katherine Heights, AZ Water and Sewer System, and WWTP**

An onsite treatment system was designed, constructed, and expanded as this project progressed through its three phases. Utilizes a recirculating bed technology prior to drainfield discharge.

**2007 The Cliffs, ID Wastewater Treatment Plant - \$3.5 million.**

Facility 300,000 GPD Kubota MBR System expandable to 600,000 GPD including fine screening, process tanks and biological treatment systems, UV disinfection facility, RIBs and Standby power.

**2007 Edgewood, NM Wastewater Treatment Plant - \$2.8 million.**

Facility Design & Construction A 150,000 GPD Kubota MBR System.

**2007 Paa-ko, NM Wastewater Treatment Plant - \$2.3 million.**

Facility Design and Construction of a .26 MGD Kubota Flat Plate MBR Facility, included design of an influent screening system, back-up power system, and the associated telemetry control system.

**2008 Jerome City, ID Wastewater Treatment Plant - \$10 million.**

Expansion utilizing an MBR process. several phases to bring plant capacity to 4.5 mgd.

**2007 Moroni City, UT Wastewater Treatment Plant - \$4.2 million.**

Kubota MBR process for a 1 mgd plant that is primarily turkey processing waste.

**2005 Taos, NM Wastewater Treatment Plan.**

Design and construction of a 2 mgd Zenon hollow fiber MBR system, expandable to 2.5 mgd. Included fine screening, process tanks and biological treatment, Solar Power panels and standby power.

**2005 Tucumcari, NM Wastewater Treatment Plant - \$800,000.**

Headworks upgrade project on a 1mgd facility.

**2004 Oakley, UT Water Reclamation Facility - \$1.7 million.**

New Zenon ZeeWeed 250,000 GPD facility.