



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

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Mr. Logan is a Vice President and Principal at AQUA Engineering. Justin leads AQUA's efforts in water and wastewater treatment. He focuses on treatment facility planning, design and construction projects, with emphasis on providing clients effective and affordable solutions to their individual challenges. Justin has worked on more than 50 treatment facilities, developing his extensive experience with a variety of processes and equipment. His responsibilities include project master planning, facility evaluations, process development, design layout, plant configuration, design efficiency and construction drawing development of water and wastewater treatment facilities.

### Project Experience

#### City of Imperial Wastewater Treatment Plant Upgrade - Imperial, CA - 2017

Conversion of existing plant from extended aeration to a 2.4 mgd membrane bioreactor(MBR) plant capable of producing recycled water.

#### City of Beaumont Water Reclamation Facility Upgrade - Beaumont, CA - 2016

Existing plant modification and expansion from extended aeration to a 6.0 mgd membrane bioreactor (MBR) plant followed by reverse osmosis to meet salt reduction requirements.

#### City of Corona Dewatering Upgrade - Corona, CA - 2016

Modification of existing dewatering belt press facility to include a single centrifuge capable of dewatering for the plant and also capable of adding another centrifuge in the future.

#### Puako Preliminary Engineering Report - Puako, HI - 2015

Preliminary feasibility of treatment & sewer collection options for the Community of Puako with the preparation of a Preliminary Engineering Report.

#### Las Gallinas Valley Sanitary District Secondary Treatment Upgrade - San Rafael, CA - 2015

Planning and Design work for the upgrade of the secondary treatment processes from trickling filter to activated sludge, including equalization basin addition and recycled water facility expansion.

#### City of Imperial Headworks Upgrade - Imperial, CA - 2015

Replacement of existing headworks facility along with various other plant improvements.

#### City of Rexburg Water Reclamation Facility Solids Handling Project - Rexburg, ID - 2014

Expansion of solids handling process by converting to anaerobic digestion and pasteurization to produce Class A biosolids and provide for solids storage.

#### Western Riverside County Regional Water Authority - Corona, CA - 2013

Plant evaluation, design, and construction services for a complete plant upgrade from 8 mgd to 14 mgd, including all aspects of the treatment plant.

#### Western Riverside County Regional Water Authority - Corona, CA - 2013

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

#### Rexburg City Wastewater Treatment Plant - Rexburg, ID - 2013

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.

#### Fort Shafter Flats Pump Station Conversion - Honolulu, HI - 2013

Planning and complete design for the conversion of the existing pump station to a 2 mgd membrane facility to produce recycled water.

#### Tooele City Water Reclamation Facility, Phase 1B Upgrade - Tooele, UT - 2012

Design and construction which added UV disinfection, digestion, and solar drying to the facility. Expansion and upgrade utilizing an MBR process to bring the plant to a capacity of 2 mgd.

### Education

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

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

### Registration

Professional Engineer:

Utah, Nevada, Arizona, California, New  
Mexico, Hawaii, Idaho, Colorado

### Work Experience

20 Years

### Affiliations

WEF                      WEFTA  
WEAU                    ASCE

### Expertise

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

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### Project Experience (continued)

**Las Gallinas Valley Sanitary District Recycled Water Facility - San Rafael, CA - 2011**

Design and construction services for the addition of the Recycled Water facility to the existing treatment plant. This 1.4 mgd facility, capable to 5.4 mgd, utilizes pressure membranes and UV treatment.

**Elko Secondary Treatment Upgrade - Elko, NV - 2010**

Facility planning, design, and construction of a 4 mgd plant.

**West Wendover Wastewater Treatment Plant - West Wendover, NV - 2013**

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

**Taos Wastewater Treatment Plant Expansion and Upgrade - Town of Taos, NM - 2013**

Utilized an MBR process design to bring the plant to a capacity of 2 mgd and provide recycled water quality effluent.

**Imperial County Wastewater Treatment Plant - Imperial, CA - 2009**

5 mgd Zenon hollow fiber membrane system, expandable to 15 mgd. Fine screening, process tanks and biological treatment system, UV disinfection facility, RIB's, and standby power.

**Springville City Wastewater Treatment Plant - Springville, UT - 2009**

Expansion and upgrade utilizing STM Aerotor process to bring the plant to a capacity of 6 mgd.

**Heber Wastewater Treatment Plant - Heber, CA - 2009**

1.2 mgd activated sludge treatment plant facility expansion.

**Inscription Canyon Ranch Wastewater Treatment Plant - Prescott, AZ - 2009**

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

**Tooele City Wastewater Treatment Plant - Tooele, UT - 2008**

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

**San Felipe Pueblo Wastewater Treatment Plant - San Felipe, NM - 2008**

300,000 gpd Kubota flat plate MBR expandable to 600,000 gpd, includes offices, a small lab, biosolids dewatering, and a pump station to deliver treated water.

**Jerome City Wastewater Treatment Plant - Jerome, ID - 2008**

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

**The Cliffs Wastewater Treatment Plant - Boise, ID - 2007**

Facility with 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.

**Edgewood Wastewater Treatment Plant - Edgewood, NM - 2007**

Facility design & construction of a 150,000 gpd Kubota MBR System.

**Moroni City Wastewater Treatment Plant - Moroni, UT - 2007**

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

**Paa-ko Wastewater Treatment Plant - Albuquerque, NM - 2005**

Facility design & construction of a 0.26 mgd Kubota Flat Plate MBR Facility, included design of an influent screening system, back-up power system, and the associated telemetry control system.

**Taos Wastewater Treatment Plant - Taos, NM - 2005**

Design and construction of new headworks facility and septage receiving station.

**Oakley Water Reclamation Facility - Oakley, UT - 2002**

Design and construction of a Zenon ZeeWeed 250,000 GPD facility.

**Hyrum Water Reclamation Facility - Hyrum City, UT - 2004**

Facility planning, design, and construction upgrading this existing oxidation ditch facility to a 2 mgd MBR facility using Kubota membranes.

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