



Brad Rasmussen, P.E. - Principal



Mr. Rasmussen has 20 years engineering experience, with the majority spent in the design and project management of wastewater treatment facilities for municipalities and industry. He has an extensive computer background, modeling water quality in water distribution systems, sewer system modeling, and water quality modeling. Brad is experienced working with regulators, communities and industrial sectors to coordinate project issues. He has been involved in the facility planning and discharge permit negotiations for numerous facilities.

Education

B.S. Computer Drafting Design, Southern Utah University, 1990

M.S. Civil Engineering, University of Utah, 1999

Registration

Professional Engineer - Utah, Nevada, Colorado, Montana

Affiliations

WEAU

Experience

20 total years

Specialties

- Permitting
- Wastewater Treatment
- Water Treatment
- Wastewater Reuse
- Mechanical Installations

Water and Wastewater Project Experience

2013 City of Las Vegas Wastewater Treatment Facility - Las Vegas, NV - \$22 million.

Corrosion control project which includes a new sodium hypochlorite expansion, multiple upgrades through the plant.

2013 Heber Valley Wastewater Treatment Facility - Heber, UT - \$8 million.

Expand treatment facility from 2 mgd to 4 mgd by installing a new STM Aerotor treatment system utilizing RIB for wastewater disposal.

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

Design of new thickening facility for Salt Lake City.

2013 Town of Elwood Wastewater Treatment Facility - Elwood, UT - \$3 million

Designed a new treatment facility utilizing a modified SBR lagoon system.

2013 Great Salt Lake Minerals - Salt Lake City, UT.

Amending wastewater discharge permit for Great Salt Lake Minerals.

2013 Colorado River Resort Water Treatment Plant - \$1.5 million (estimated).

Designed a water treatment plant for a new Marriott Hotel. Included a floating intake system, small inclined plate clarifier, microfiltration skid, 260,000-gallon water reservoir, and pumping systems

2011 Payson City Dewatering Facility - Payson, UT - \$700,000.

Installed a new screw press to dewater biosolids.

2011 Brigham City Wastewater Treatment Facility - Brigham City, UT - 3.5 million.

Expansion increased the hydraulic capacity from 4 MGD to 6 MGD and installed new screw press for biosolids dewatering.

- 2011 Spanish Fork City Wastewater Treatment Facility - Spanish Fork, UT - \$700,000.**
Biosolids expansion and installation of a new 2 meter belt press facility.
- 2011 City of Tremonton Wastewater Treatment Facility - Tremonton, UT - \$2 million.**
Installed new Salsnes Filter Building for redundancy to the primary clarifier.
- 2011 Grantsville City Wastewater Treatment Facility - Grantsville, UT - 1.2 million.**
Upgraded Lagoons to a more efficient treatment system from 0.75 MGD to 1.2 MGD.
- 2010 Mountain Green Wastewater Treatment Facility - Mountain Green, UT - \$1.2 million.**
Design and Construction of Lagoon Upgrade tripling the treatment capacity in existing footprint.
- 2011 Springville City Wastewater Treatment Plant - Springville, UT - \$3 million.**
Integrated Fixed Film Activated Sludge expansion and upgrade in four different projects.
- 2009 Bison Creek Wastewater Treatment Facility - Huntsville, UT.**
Design 0.25 MGD MBR facility utilizing a multiuse pond/RIB for wastewater disposal.
- 2009 Southern Utah Municipal Water Association - Utah County, UT.**
Planning for a regional treatment facility.
- 2009 Richmond City Water Reclamation Facility - Richmond City, UT - \$6 million.**
Design and construction of a 0.5 mgd MBR facility.
- 2008 Spanish Fork City Wastewater Treatment Plant - Spanish Fork, UT - \$1.2 million.**
Design and construction of headworks screens and biosolids dewatering facility.
- 2008 Wolfcreek Water Reclamation Facility - Eden, UT - \$1.7 million.**
Design and construction of 0.4 mgd MBR facility.
- 2007 E.A. Miller Meat Packing Wastewater Plant - Hyrum, UT.**
Upgraded clarifiers, pumping systems, and planning for phosphorus removal.
- 2006 Moroni City Wastewater Treatment Plant - Moroni, UT - \$4.2 million.**
Expansion and Upgrade utilizing a Kubota membrane process for a 1 mgd plant that is primarily turkey processing waste.
- 2006 Hyrum City Water Reclamation Facility - Hyrum, UT - \$700,000.**
Biosolids dewatering facility installed a 2 meter belt press in a new building.
- 2006 Orem Wastewater Treatment Facility - Orem, UT - \$2 million.**
Design and construction of dissolved air flotation thickener & secondary clarifier.
- 2004 City of Oakley Water Reclamation Facility - Oakley, UT - \$1.7 million.**
Design and construction of a new Zenon ZeeWeed 250,000 gpd MBR Facility.
- 2004 Malt-O-Meal Pretreatment Facility - Tremonton, UT - \$500,000.**
Design and construction of equalization tanks and aeration system.
- 2000 West Wendover WRF and Composting Facility - West Wendover, NV - \$2.6 million.**
Construction of co-composting facility mixing municipal waste and biosolids to make compost.
- 2000 Bullhead City WRF Upgrade - Bullhead City, AZ - \$9.5 million**
BNR upgrade from 1.0 to 3.0 mgd using oxidation ditch activated sludge system.
- 2001 City of Orem Wastewater Treatment Plant Upgrade - Orem, UT - \$6 million.**
Four projects included belt press facility, clarifiers, oxidation ditch upgrade and headworks.
- 1995 Tremonton City, UT Wastewater Treatment Facility \$1.8 million.**
Upgrade and New Compost Facility