



L. Scott Rogers, P.E. | Principal

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Mr. Rogers is the founding partner of AQUA Engineering. He has over 35 years of experience as a civil engineer, primarily in water and wastewater treatment. Scott has been involved in the analysis, design, upgrade or operations of over 200 treatment facilities. He is known for his ability to improve and upgrade water and wastewater systems for minimal cost. Scott's expertise is in operations consulting, water reuse, instrumentation design, pumping systems, biosolids reuse and disposal, nutrient recovery, and renewable energy. He was the project engineer for the first MBR facility in Utah, an ACEC Grand Award winner for Water and Wastewater. Because of his outstanding reputation, Scott regularly consults for local and international firms and projects.

Project Experience

South Plant Nutrient Recovery, South Davis Sewer District NSL, UT - \$29 million

Design of a general upgrade to the treatment plant and the addition of the ClearAs ABNR system to extract nutrients through algae cultivation and recovery. System includes a large green house, 130 miles of glass pipe, and a 4 mgd MBR for separating the algae. In design and construction as it is a CMGC project.

Wasatch Resource Recovery Facility NSL, UT - \$45 million

Design of a food waste to energy / fertilizer recovery facility including receiving, de-packaging, blending and lysing, anaerobic digestion, biogas upgrade to pipeline grade, and nutrient recovery. In construction.

Fair Oaks Farms Fertilizer Blending Facility Fair Oaks, IN - \$15 million

Design of material receiving and handling equipment including declining weight blending system, product agglomeration, drying, storage, load out, and building design.

Skyline Energy Recovery Project Beaver, UT - \$4 million

Design and upgrade to swine manure collection system including several custom-built pump stations, screening structures, and over 20 miles of HDPE conveyance piping.

City of West Wendover Water Reuse Facility - West Wendover, NV - \$9 million

Converted an activated sludge plant to an MBR facility and increased capacity to 2 mgd.

Blue Mountain Energy Recovery Project - Beaver, UT - \$18 million

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.

WRCRWA Wastewater Treatment Expansion Riverside, CA - \$47 million

Implementation of two anaerobic digesters in expansion design. Biogas handling includes scrubbing, conditioning and heat recovery using solar drying technology.

Colorado River Resort Water / Wastewater Treatment Plant Moab, UT - \$3 million

Designed water and wastewater treatment facilities for new resort development including micro-filtration, disinfection, fire suppression, and wastewater disposal. Also design an onsite, aerated wastewater treatment system.

City of Driggs WWTP Expansion Driggs, ID - \$9 million

Utilized an Aquarius Multi-Stage Activated Biological process process to expand plant capacity to 2 mgd.

Education

B.S. Civil Engineering
Brigham Young University, 1982

M.E. Civil Engineering
Brigham Young University, 1983

Registration

Professional Engineer:
Utah, Idaho, Nevada, Wyoming

Work Experience

35 Years

Affiliations

WEAU ASCE
WEF Tau Beta Pi
AWWA

Expertise

- Renewable energy
- Resource recovery
- Municipal wastewater and water treatment
- Industrial water treatment
- Water reuse
- Biosolids reuse & disposal
- Process control
- Performance-based contracting

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Project Experience (continued)

Rexburg City WWTP Expansion**Rexburg, ID - \$9 million – all three phases.**

Utilized a fixed film process followed by existing oxidation ditches to bring the plant capacity to 4.8 mgd, Also added ultraviolet disinfection, new screw press facility and anaerobic digestion.

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

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

Tooele City Wastewater Treatment Plant Expansion - Tooele, UT - \$8.5 million

Expanded plant from 2mgd to about 4mgd in two phases. Second Phase included sludge screw presses solar drying, shade building and UV disinfection.

Town of Taos Wastewater Treatment Plant Expansion - Taos, NM - \$7 million

Added an MBR process bringing the plant to a 2 mgd capacity.

Town of Mancos Wastewater Treatment Plant Expansion - Mancos, CO- \$3 million

Designed and installed a new Aquarius MSABP process bringing the facility to a 400,000 GPD capacity.

Orem City Water Reclamation Facility Expansion - Orem, UT - \$16 million

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

Mountain Regional Signal Hill Water Treatment Plant Upgrade - Park City, UT - \$3 million

Added flocculation, clarification and post granular carbon filtration to improve taste and odor and remove disinfection byproducts. Upfront treatment also removes silt during high runoff periods.

Springville City Wastewater Treatment Plant Upgrade - Springville, UT - \$11 million

Upgrade utilizing an STM Aerotor process to bring plant capacity to 6 mgd - \$11 million.

Provo City Wastewater Treatment Facility - Provo, UT - \$3 million.

Expanded the sludge dewatering facility including a new building, centrifuge, and associated upgrades.

Jerome City Wastewater Treatment Plant Upgrade - Jerome, ID - \$10 million

Expansion and Upgrade utilizing an MBR process. Included several phases to bring the plant to a capacity of 4.5 mgd.

Gallup Wastewater Treatment Plant - Gallup, NM - \$12 million

Upgrade from a 2.5 mgd to 4.5 mgd using conventional activated sludge.

Wolfcreek Water Reclamation Facility - Eden, UT - \$1.7 million

Design and construction of 0.4 mgd MBR facility.

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 turnkey processing waste.

Springer Wastewater Treatment Plant - Springer, NM - \$1.5 million

Designed a 0.3 mgd STM Aerotor facility.

Signal Hill Water Treatment Plant - Park City, UT - \$12 million

Designed a 6 MGD microfiltration treatment plant. Also included design of a transmission pipeline, riverbank infiltration system and terminal reservoir.

Tucumcari Wastewater Treatment Plant - Tucumcari, NM - \$800,000

Headworks upgrade project on a 1 mgd facility.

Chino Valley Water Reclamation Facility - Chino Valley, AZ - \$3.8 million

Designed a new 0.5 mgd MBR facility using Kubota membranes.
