San Juan County, UT – Wastewater

Project Location: San Juan County, UT

Team Members Needed:

1. Subject Matter Experts – Wastewater technical experts that have centralized and/or decentralized expertise and/or experience working on projects in the Navajo Nation
2. Responsible Engineer in Charge (REIC) - Technical lead. Requires four years of professional experience in wastewater and a PE license in UT or a willingness to get licensed in UT (licensure fees covered by CECorps).
3. Quality Assurance Manager (QAM) - Four years of experience in wastewater engineering and hold a PE license in any state.
4. Project Lead - Project management experience preferred. No professional licensure required.

Additional team members outside those listed above are welcome and encouraged to inquire.

Project Background: A Navajo Nation community located in San Juan County, Utah and partners have spent nearly 25 years working for equitable access to basic civil infrastructure. After decades of effort by community members and partners, the community recently got connected to the electrical grid and is set to get first time water access with a regional water main extension project set to conclude construction in March 2025.

Most community members currently have conventional onsite wastewater treatment systems. The condition and functionality of the existing wastewater infrastructure is anticipated to be varying. As such, there is a need to assess community-wide wastewater improvements to address the need for sustainable, reliable, and affordable wastewater services in the community.

Description of the Community: The community consists of 29, 2-acre plots across 120 acres of desert scrubland. Residents are low-income and the community is resource-constrained, having only recently been connected to an electrical system and currently being connected to reliable drinking water.

Project Scope of Work: A pro-bono wastewater consultant team is needed to develop a Preliminary Engineering Report and associated Environmental Assessment to be used by the client to plan the project and pursue funding for detailed design and construction. Its anticipated that the Preliminary Engineering Report will evaluate the following alternatives, at a minimum:

1. Centralized collection and conveyance to a neighboring community's lagoon treatment system and potential retrofit of that lagoon system (regionalization).
2. Centralized collection and conveyance to a treatment system (package plant)
3. Innovative decentralized cluster system with community treatment (package plant)
4. Maintaining decentralized (conventional, alternative, or innovatie) wastewater infrastructure in the community.

Timeline: As soon as possible.

Contact: CECinfo@ewb-usa.org