Dennis E. Stith, PE

Dennis joined McClure in 1972 and currently serves as a senior project manager in the water resources department in Macon, Mo. His design and project management experience are focused in the wastewater and water divisions, and specifically includes studies, design, and construction projects for municipal wastewater collection systems, wastewater and water treatment plants, and water distribution systems. Dennis' experience on wastewater projects includes gravity and pressure collection systems, pump stations, advanced mechanical treatment plants, lagoon treatment systems, land application, and collection system rehabilitation. Water experience includes preparation of owner's supervised programs, urban and rural water mains, booster pump stations, water supply wells, elevated storage and water plants.

As a senior project manager for water environment projects, Dennis reviews project progress and monitors timely completion of projects. He is experienced and knowledgeable in all phases of project development. He coordinates mechanical, electrical, structural, surveying, and civil engineering services as required to meet overall project goals and objectives. He has been particularly effective working within the technical, contracting and funding procedures for the MoDNR, USDA, EPA and CDBG programs.

Representative project experience includes:

Wastewater Treatment Improvements, Callao, MO

Project manager for the facility plan, funding coordination, design, plans, specifications and construction phase services for the expansion of the wastewater lagoon storage and land application system for this mid Missouri city of 292 population.

MMU Water Treatment Plant Improvements, Marshall, MO

Project manager for the addition of a new 500,000 gallon clearwell and high service pump station. The project also included a new laboratory and administration building. Mixing systems were added in the water distributions system storage facilities. The water plant average design flow is 6.5 MGD and construction cost was $4,800,000

Wastewater System Improvements, Wellsville MO

Project manager for the facility plan, funding coordination, plans, specifications and construction phase services for the pump stations and force mains needed to consolidate treatment into one of the city's existing lagoons. The project included the addition of a SAGR treatment system to enhance the treatment capability of the existing lagoon system. The project was funded through Missouri DNR SRF loans and grants. Construction cost was $2,400,000.

Water System Improvements, Wellsville, MO

Project manager and design engineer for the replacement of 25.700 feet of 6 and 8 inch water mains. The project also included the construction of new

DENNIS E. STITH, PE

FIRM
McClure

EDUCATION
BS, Civil Engineering
University of Missouri (1977)

PROFESSIONAL REGISTRATIONS
PE: Iowa (#17420)
Missouri (#20058)
Kansas (#9931)

PROFESSIONAL AFFILIATIONS
American Water Works Association - Missouri (AWWA)
Missouri Water and Wastewater Conference
Water Environment Federation - Missouri WEA

HIRE DATE WITH MEC
1972

EXPERIENCE WITH OTHER FIRMS
n/a

packaged booster pump station that connected the city to a wholesale water supplier allowing the city to abandon their outdated water plant. The total construction cost was $1,300,000 and was funded through USDA loans and grants.

BCRSD Rocky Fork Wastewater Treatment Facilities, Boone County, MO
Project manager and engineer responsible for developing the Facility Plan, anti-degradation analysis, plans, specifications and construction phase services for a new 460,000 gpd advanced wastewater treatment facility and approximately 5.5 miles of new collection system in rural Boone County. The total project cost was approximately $10,000,000.

Wastewater System Improvements, Renick, MO
Project manager for the facility plan, funding coordination, design, plans, specifications and construction phase services for new wastewater land application pumps and a fixed sprinkler application system. The project included rehabilitation of three submersible wastewater pumps in the collection system.

MMU Wastewater Treatment Plant Improvements, Marshall, MO
Project manager and engineer responsible for developing the alternatives analysis, design, plans, specifications, and construction phase improvements for the replacement of the wastewater treatment plant influent wet and dry flow pumps, grit removal system, mechanical bar screens and the addition of an ultraviolet light effluent disinfection system. The plant average design flow is 7 MGD and the construction cost was $5,500,000.

MMU Water and Wastewater Treatment Plant Painting, Marshall, MO
Project manager and design engineer for the painting of all basins, piping, internal surfaces in the water treatment plant and the lime silos at the wastewater plant. The work was completed by one painting contractor at a cost of $600,000.

MMU WTP Sludge Lagoon Improvements, Marshall, MO
Project manager and design engineer for the replacement of the concrete basin used to settle lime sludge from the water plant. Fabric baffles were added to two earthen basins to further settle solids to allow the facility to meet TDS limits at their discharge. A simple dichlorination chemical feeder was added to meet TRC limits. Construction cost was $517,000.

Facility Plan, Ama, MO
Project Engineer for preparing a facility plan considering options for providing ammonia removal for a 27,000 gpd lagoon facility in central Missouri. Options included land application, mechanical treatment and fixed film aerated ammonia removal.

BCRSD Sunrise Estates Interceptor Sewer and N. Grindstone Outfall Extension
Project manager and design engineer for a project that connected the District's Sunrise Estates collection system to the City of Columbia collection system. The project included the construction of 4,300 feet of 15 and 30 inch sewer main. The project construction cost was approximately $800,000.

Water System Improvements, Hawk Point, MO

Project manager for the facility plan, design and construction phase for the replacement of 16,000 feet of water main in the city. A new 100,000 gallon elevated storage tank replaced the old water tower. Total construction cost was $1,200,000. The project used a combination of USDA and CDBG funds.

BCRSD Rayfield Sewer Improvements
Project manager and design engineer for the replacement of an existing failing lagoon for the subdivision with a new sewage lift station and force main to allow connection to another Boone County Regional Sewer District system. The lift station included an odor control chemical feed system. About 2000 feet of 8 inch sewer main was installed to replace undersized collection pipe in the subdivision. The force main included 7000 feet of 4 inch PVC pipe. The $615,000 construction cost was funded with a Missouri DNR SRF loan.

Wastewater System Rehabilitation, LaPlata, MO
Project Manager for the rehabilitation of approximately 20,000 feet of 8-12 inch gravity sanitary sewer and an expansion of the land application field. A new irrigation pump station and 3000 feet of force main were installed. The project construction cost was $2,200,000 with work completed in 2019.

Water System Improvements, Putnam County PWSD No. 1

Project manager and design engineer for the addition of a new 200,000 elevated storage tank, known as the "office tank". Construction cost was $600,000. The project used USDA and district funding.

Water System Improvements, Putnam County PWSD No. 1
Project manager and design engineer for the addition of a packaged booster pump station and 26,500 feet of 4 and 6 inch water main. The $600,000 construction cost was funded through USDA loans.

Route A Pump Station and Higbee Tower, Thomas Hill PWSD No.1
Project manager for a site-built water booster pump station located at the wholesale water supply connection. The station provided water to two pressure zones in the distribution system with a combination of pumps that serve as backup to both zones. 14,300 feet of 10-inch water main was built to connect the station to a new 400,000 gallon elevated water tank that serves both the district and the town of Higbee. USDA funding was coordinated between the town of Higbee and the district to allow the tower to serve both district needs and provide storage with fire capacity for Higbee.

Huntsville Water Tower, Thomas Hill PWSD No. 1
Project manager for a new 300,000 gallon elevated storage tank and booster pump station. The additional storage provided by the tower improved system operation during high demand at this critical location that served two pressure zones. Construction was completed in 2018 for a total construction cost of $872,000.

BCRSD Energy Efficiency Improvements
Project manager and design engineer for the replacement of diffusers, air headers, and blower upgrades at three Boone County Regional Sewer District activated sludge treatment plants. The improvements optimized treatment

efficiency to reduce power use. The $130,000 construction cost was funded with MDNR grant funds.

BCRSD Twin Lakes Wastewater Improvements
Project manager and design engineer for the addition of ultraviolet light disinfection to this lagoon serving a small subdivision in the Boone County Regional Sewer District system. Construction was completed in 2017 at a cost of $77,000.

BCRSD Rocheport Wastewater Plant Upgrade
Project manager for the replacement of the single clarifier and miscellaneous painting and component replacement in this packaged wastewater plant. Construction was completed in 2019 at a cost of $150,000.

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