

# Michael (Mike) Meyer

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Senior Consultant, RLM Engineering, Inc.

## Specialties

Water/Wastewater

Project Management

Contract Administration

Manager Environmental Laboratory

## Education

**BACHELOR'S DEGREE, CHEMISTRY**

**PURDUE UNIVERSITY - 1970**

**GRADUATE WORK, ENVIRONMENTAL CHEMISTRY**

**DUKE UNIVERSITY - 1973**

## Registration

Professional Engineer

Indiana, Kentucky, Ohio

## Memberships

**WATER POLLUTION CONTROL FEDERATION**

**AMERICAN WATER WORKS ASSOCIATION**

## Experience

Mike has over 40 years' experience in the fields of water and wastewater engineering including design of new facilities, troubleshooting, startup and operation of new and existing facilities, preparation of operation and maintenance manuals, project management, construction administration, construction observation and development of maintenance programs.

## Representative Projects

- Wastewater plant and collection system design for a wide range of Municipal wastewater treatment systems ranging from controlled discharge lagoons, conventional activated sludge, sequencing batch reactors to oxidation ditches with flows ranging from 40,000 gpd to peak flows of 30 million gallons-per day for municipal systems and Industrial wastewater treatment systems ranging from physical chemical treatment systems to remove heavy metals to biological treatment systems for food processing industries. Wastewater collection systems for municipal and industrial facilities ranging from 8-inch to 108-inch gravity collection lines. Pressure collection systems conveying septic tank effluent and lift stations and force mains ranging up to 240 mgd and 30-inch force mains.

- Plant Startup: In charge of the on-site operational training for over 30 water and wastewater facilities during my career. These duties included the preparation of 16 O&M Manuals. I provided or supervised the Onsite training in laboratory methods and operational protocols, plant startup and troubleshooting.

- Columbus, Indiana- Project Manager/Design Engineer

New 14 mgd average flow 39 mgd peak flow wastewater treatment facility. The \$42.9 Million dollar treatment system includes new headworks with fine screening and grit removal. Two new oxidation ditches, four final clarifiers, UV disinfection, and odor control. Waste solids are treated using a Cannibal Sludge Reduction Process™, aerobic digestion with dewatering facilities using centrifuges. A new administration and maintenance facility is also incorporated in the project. The facility is designed to meet current effluent limits and may be easily and cost effectively upgraded to meet more stringent future effluent limits. This project received an Honor Award from the Consulting Engineers of Indiana in 2012.

Sequencing Batch Reactor modification to an existing spare aeration tank. The SBR was used to treat anaerobic digester supernatant which was high in ammonia and reduce it to a level where it could be blended into the final effluent and allow the POTW to meet NPDES permit limits.

Long-Term Control Plan Implementation. This project involved State Revolving Fund financing a \$44 million dollars of sanitary sewer system improvements, including a 108-inch diameter gravity trunk line, a 66-inch diameter interceptor, a 240 mgd excess flow pump station, CSO storage basins, and an upgrade to the South Side Lift Station incorporating twin 30-inch force mains.

\$12 million of utility improvements - 8 miles of 20 & 24-inch sewer and water main and a 10 mgd expansion of a water treatment facility.

Pretreatment program review. Conducted a thorough review of the program operation, provided technical review, and proposed corrections to the program.

Developed asset list for both the Water and Wastewater utilities. Including: Numbering Protocols, asset descriptions, locations and costs, linked O&M procedures and spare parts requirements

- Seymour, Indiana-Project Manager/Design Engineer for a 5.5 mgd upgrade to an existing wastewater treatment facility. The wastewater plant capacity will be increased from 4.3 mgd average to 9.8 mgd with a peak flow of 30 mgd. New headworks, oxidation ditch, 3 new clarifiers, disinfection and a Class A sludge system is included in the project together with about \$10 million of collection system improvements. Project Manager combined Sewer Separation project. This project will separate the combined sewers in the down town area by installing a new storm sewer system and rehabilitation the combined sewer for use as a sanitary sewer. This project received an Honor Award from the Consulting Engineers of Indiana in 2006.

- Southwest Regional Water District, Hamilton, Ohio-Project Manager for a \$10 million improvement project. Included were three booster stations, two elevated storage tanks, four 1,500 gpm wells, a 4 mgd Fluidized Bed Softening water plant, and 10 miles of 16-inch water main.
- Bargersville, Indiana-Project Manager and Design Engineer. Project included an upgrade from a 1,000 gpm to 3,500 gpm Fluidized Bed and Softening Plant. Also included were two 500,000 gallon elevated tanks, a well field, new wells, and transmission mains. Project was completed in 1996. Design Engineer for a new 5 mgd fluidized bed softening plant.