Frank J. DeMicco, PE

Principal Engineer

Education

BS, Civil Engineering, Manhattan College, New York, NY, 1966

New York State Regents Scholarship

Majors: Sanitary Engineering and Soils Mechanics

Value Engineering Certificate - University of Wisconsin

Years of Experience

Joined Boyle 2007

With other 35 years

Registration

Professional Civil Engineer: NY, NJ, PA, VA

Affiliations

Water Environment Federation

Experience

Mr. DeMicco has 35 years of experience in Water and Wastewater Engineering Design, Construction and Operations.

Construction Manager for City of Santa Maria Wastewater Treatment Rant Expansion (from 9.5 MGD to 13.5 MGD). Responsibilities included constructability review and management of a $16 million* construction contract. Modifications were made to the headworks, grit chamber, primary trickling filter and primary sludge pump stations. Project also included a new primary clarifier, sludge digester and digester control building.

Construction Manager for Santa Nella County Water District. Responsible for the construction of 15 MGD wastewater treatment plant (Phase I), 5 MGD membrane water treatment plant (Phase I), booster pumping station and 20 MG resarvoir, trunk sewers, pipeline crossings and bridges, and effluent storage and transmission facilities. Coordinated activities between Contractors, Owner/Developer, and client (Santa Nella County Water District). Tasks included architectural, structural, mechanical, electrical, and instrumentation disciplines review during construction phases of the project.

Project Manager for ECO: LOGIC Engineering (Rocklin, CA). Managed Phase I ($6 million) upgrade of the Merced Waste Water Treatment Plant. Phase II ($50 million) expansion from 7.5 MGD to 12 MGD was deferred by the City. Additionally, responsible for opening a new branch office in the City of Merced to better service Eco:Logic clients in the San Joaquin Valley.

Senior Vice-President Operations, United Water Resources (Harrington Park, NJ). Frank had full profit and loss responsibility for all of United Water's 68 regulated utility operations in 12 states for 10 years and was President of United Water New Jersey for 5 years. . United Water Resources encompassed plant assets of over $1.2 billion and operating revenues of $500 million per year. UWR served over 2.2 million people.

VP-Operations and Chief Technical Officer. Managed a capital construction program of $50,000,000 per year. Plant construction projects included 5 MGD Super-Pulsator wastewater treatment plant for Jacksonville, Florida; 10 MGD water treatment plant in Boise, Idaho; and a 15 MGD Booster PS in Bergenfield, NJ. Oirected the design and construction of over 500 miles of water transmission mains. distribution mains, and sewer lines from 6" to 60" diameter.

President of Hackensack Water Company (Bergen and Hudson Counties, Northern New Jersey) and Spring Valley Water Company (Rockland County, New York). Frank managed I) Hackensack Watar Company—the largest contiguous private water utility in the U.S.—which served 800,000 customers in 60 communities, and 2) Spring Valley Water Company Incorporated, which served 250,000 customers (Rockland County. New York).

Hackensack Water Company facilities included four (4) impounding reservoirs (13.9 BG), twenty (20) wells, 200 MGD Haworth Water Treatment Plant, 2,000 miles of mains. 14.350 hydrants, 173,000 services, 14 system storage tanks, and 13 pumping stations. Staff members

in the operation's division totaled 265 members. Assets totaled $350,000,000 and operating revenues totaled $110,000,000.

Spring Valley Water Company facilities included 20 MGO DeForest Water Treatment Plant, 1,000 miles of mains. 5,000 hydrants, and 68 wells. Staff in the operation's division totaled 61 members. Assets totaled $100,000,000 and operating revenues totaled $34,000,000.

President of Buck Seifert & Jost, Inc., Consulting Engineers (offices in New Jersey, New York, Pennsylvania, Virginia and Puerto Rico). Responsible for the design and construction management of the $30,000,000 Wanaque South Project—Stage I of Oradell Aqueduct—for the Hackensack Water Company. The project consisted of eighteen (18) miles of 60" and 48" diameter prestressed concrete cylinder pipe raw water transmission main traversing nine (9) municipalities in Passaic and Bergen Counties (New Jersey) and a 75 MGO booster pumping station.

Design and Construction Management for the $65 million Haworth Water Filtration Plant Expansion (from 50 MGD to 220 MGD capacity). The expansion and upgrade involved process change from conventional coagulation/rapid sand filtration to pre-ozonation/direct filtration. Construction phase responsibilities included supervision of field inspection teams; coordination of work between two (2) prime contractors; and negotiation and preparation of all payments, change notices, change orders and management of engineering and construction budgets.

Design and Management of a new $50 million, forty (40) MGD Canal Road Water Treatment Plant construction for Elizabethtown Water Company (New Jersey). Successfully negotiated a joint venture between Consulting Engineers BS&J, Camp Dresser, and McKee (CDM). The new plant design utilized ozone pre- and mid- stream treatment with GAC deep bed filters.

Project Superintendent for General Contractors Paterno & Sons, Inc. (New York, NY).

Superintendent for the construction of a 10 MGD activated sludge sewage treatment plant and pumping station (West Haverstraw, New York). Project entailed driving over 1000 timber support piles for foundations of all tanks, piping, and structures at the site. The influent pumping station excavation was steel sheeted over 30 feet deep in blue clay soil requiring unique uplift protection. Work included reinforced concrete aeration basins, primary and secondary clarifiers, sludge digesters, and sludge pumping station.

Superintendent for the Construction of a Reinforced Box Culvert Storm Water Outlet (Brooklyn, New York). Project tasks included intercepting sewers and timber bulkhead outfall for the Newton Creek Pollution Control Project. Each of the dual box sewer culverts was 15 feet wide and 10 feet high, essentially occupying the full width of the roadway. Construction excavation was of steel soldier pile and timber sheeting design with the heavy construction equipment operating on a pontoon roadway spanning the excavation. The interceptor sewer was first constructed below the sub-grade of the box sewer at times reaching 40 feet deep. A special storm water separation chamber was constructed to separate sanitary flow from storm water and an emergency overflow outfall was built for severe storms.