

Credentials

Professional Engineer

New Jersey
Reg #GE21244

Pennsylvania
Reg #020514-E

New York
Reg #046167



Certification and Ratings

Pennsylvania Sewage Treatment Plant & Waterworks Operators
Certificate #S3336 to operate AO STP
Certificate # W2273 to operate AO WTP

Education

Master of Science in Civil Engineering
West Virginia University, 1964

Bachelor of Science in Civil Engineering
West Virginia University, 1963

Professional Associations

American Society of Civil Engineers
American Water Works Association
Water Environmental Federation

Public Service Positions

Quakertown Rotary Club - Past President
Quakertown YMCA - Past President

Areas of Concentration

Civil engineering
Water supply
Wastewater treatment

Municipal engineering
Environmental engineering

Specialized Expertise

Water treatment & supply
Sewage treatment plants
Storage facilities
Process systems & equipment
Piping, fittings & related products
Pumps & valves
Flow, pressure and level measuring equipment and accessories
SCADA
Supervisory control & data acquisition

Sampling & analyzing equipment
Water treatment plant design
Water treatment plant construction
Water treatment plant operation
Sewage treatment plant design
Sewage treatment plant construction
Sewage treatment plant operation
Water facilities
Wastewater facilities
On-lot sewage disposal

Professional Experience

Institute for Products, Engineering & Construction **2000 to Present**
Consulting and forensic engineering services for attorneys and insurance companies. Projects involve the disciplines of civil and structural engineering. Issues addressed span all aspects of land development, construction design, management and safety as well as federal and local regulatory concerns. Related safety issues address accidents on construction sites and within buildings, as well as all aspects of water supply, treatment and disposal.

Consulting Engineer **1973 to Present**
President of broad-based engineering firm. Disciplines include the fields of Civil, Structural, Environmental, Land Development, Municipal and Building Engineering. Services include Surveying, Landscape Architecture and Construction management.

Morrell Vrooman Engineers **1966 - 1973**
Project Engineer in environmental design firm serving municipal clients in construction of water and wastewater facilities.

U.S. Public Health Service **1964 - 1966**
Serve as Commissioned Officer in U.S. Public Health Service.