

Credentials

Professional Engineer

New Jersey License #GE 16738

New York License #047506-1

Pennsylvania License #053843-E

Education

Master of Science in Civil Engineering

New York University, 1972

Bachelor of Science in Civil Engineering

Rutgers, the State University of New Jersey

Continuing education programs such as: Liability in Construction, Urban Hydrology Modeling, US Army Post Engineering, Title V Air Permitting and electronic filings, Freshwater Wetlands Delineation, Septic system design, Advanced wastewater treatment plant design, computer systems, critical path method scheduling.

Professional Associations

American Society of Civil Engineers

American Water Works Association

Water Environment Federation

Professional Service Positions

Membership Committee New Jersey Society of Professional Engineers

“Descriptive Geometry” Adjunct Faculty Bergen Community College

Public Service Positions

Vice Chairman Ridgewood, NJ Keep Our Water Pure Committee

Sponsor and Applicant for Federal Sole Source Aquifer Petition Ridgewood, NJ

Seminars and Publications

“Wastewater Pump Station Rehabilitation” NJ Water Environment Federation

“Infiltration/Inflow Case Study Cape May New Jersey” National Water Environment Federation

Areas of Concentration

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| Project management | Construction plans and specifications |
| Construction oversight | Construction cost estimates |
| Environmental assessments | Title v air permits |
| Soil remediation | Groundwater remediation |
| Wastewater planning | Water supply planning |
| Surface water disposal of treated waste | Subsurface disposal of treated waste |
| Wastewater system design | Water system design |
| Brownfields redevelopment | Solid waste management |
| Air pollution control | Storm drainage analysis and design |
| Environmental permits | Regulatory permitting process |

Specific Experience & Interest

Correctional institutions - prisons and jails
Wastewater treatment plants - publicly owned and privately owned
Industrial Wastewater Treatment Plants - pretreatment and final treatment
Wastewater conveyance facilities - sewers, pumping stations and force mains
Wastewater pumping facilities
Water distribution facilities - towers, ground storage, pumping stations
Water treatment plants
Water Supply - groundwater and surface water
Solid waste facilities - landfills, transfer stations and transport
Stormwater management facilities - retention/detention facilities, channels and piping

Professional Experience

Institute for Products, Engineering & Construction

2000 to Present

Provide consulting and forensic engineering services to attorneys and insurance companies. Projects address all aspects of civil, municipal and environmental engineering and construction management.

Consulting Engineer

1987 to Present

Chief executive officer for consulting engineering firm offering civil engineering services in New York, New Jersey, Pennsylvania and surrounding states. A representative list of projects undertaken includes the following:

- 50 gallon per minute groundwater extraction and groundwater treatment systems design for a superfund site in Chester County, Pennsylvania
- Title V and Subchapter 8 air permitting for an institutional site in Cumberland County, New Jersey
- Engineering services during construction for an 80,000 gallons per domestic wastewater treatment plant in Montgomery Township, New Jersey
- Design of a 50,000 gallons per day industrial wastewater treatment plant for a liquid natural gas processor in the Hackensack Meadowlands of New Jersey
- Hydrogeological design of a 10,000 gallons per day domestic wastewater subsurface disposal of wastewater groundwater injection system in Passaic County, New Jersey
- Freshwater Wetlands Delineation Report for an institution in Hunterdon County, New Jersey
- Hydrogeological soils and groundwater site remediation investigation for an industrial site in Bergen County, New Jersey
- Potable groundwater diversion studies for a 500 gallons per minute well in Hunterdon County, New Jersey
- Public Employees Occupational Safety and Health Air Studies, Methane Lower Explosive Limit Studies and Contaminated Soil Studies for an institutional facility in Essex County, New Jersey
- Environmental Site Assessment Study using ASTM procedures for an industrial site in Moonachie, New Jersey
- National Pollution Discharge Elimination System Permit modifications for an institutional sanitary wastewater treatment facility on Staten Island, New York
- Stormwater runoff calculations using SCS-TR55 methods for a "Brownfield" site in East Rutherford, New Jersey

Morris Respond Group

1987

Associate, Director of Land Development, Engineering Department. The two primary functions included the direction of a nine person Department and the direct project management of Morris Respond Group land development projects. As Department Director, responsible for new business development, cost and manpower budget control, staffing and office management.

Kupper Associates

1982 – 1986

Associate. The two primary functions included the direct project management of several major accounts and the supervision of a staff of five project managers and thirty other design professionals.

Lockwood, Kessler and Bartlett, Inc.

1981 – 1982

Engineering Design Department Manager. As Department Manager reported directly to President and was responsible for the development and continued growth of a 35 man department along the lines of a matrix organization.

Pandullo Quirk Associates

1973 – 1980

Project Manager. Division Director of the Engineering Reports and Studies Division. Project Management included the Totowa-West Paterson Sewerage Authority, the City of Paterson, the Borough of Wanaque. Responsible for proposal development, engineering design criteria, manpower and financial budgets.

Clinton Bogert Associates

1971 – 1972

Project Engineer. Responsible for technical direction and review of sanitary and storm drainage design by utilizing computer-aided design. Lead engineer for the City of Cleveland, Ohio stormwater management model and the Sea Cliff - Roslyn Harbor area in Nassau County, New York computer-aided sewer system design.

Azzolina Engineering Company

1970

Project Engineer. Responsible for planning, design and construction of sanitary sewer collection systems. Municipal engineering and planning board engineering for Haworth, NJ, Elmwood Park, NJ and Washington Township, NJ.

Malcolm Pirnie Engineers

1967 – 1969

Sanitary Engineer. Worked on a comprehensive solid waste for Herkimer and Oneida Counties in New York State. Sanitary sewer system design. Resident inspection of a wastewater pumping station.

Bethlehem Steel Corporation

1963 – 1967

Management Trainee. Assistant Plant Engineer assignment in the Railway and Industrial Car Division where responsibilities were devoted to mechanical, electrical and shop maintenance.

United States Army Corps of Engineers

1964 – 1967

Captain. Commissioned through the Reserve Officer Training Corps program at Rutgers University, served as an Assistant Post Engineer while in Germany and as a Company Commander for the Nuclear Power Group while in Virginia.