

Curricula Vita
George J. Kulik, P.E., P.C., Inc. FID# xx-xx-xxxx

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EDUCATION

1968 A.A.S., Mechanical Technology, New York City Community College, Brooklyn, NY
1977 B.E.M.E., Mechanical Engineering, The City College of New York, New York, NY

ACADEMIC

1981-1984 Adjunct Professor, The City College of New York
1982-1985 Adjunct Professor, New York City Technical College
Courses: engineering economics, mechanical drafting, civil drafting, computer aided drafting

REGISTRATION

1981 State of New York	- Professional Engineer (#xxxxxx)
1996 State of New Jersey	- Professional Engineer (#xxxxx)
1982 Commonwealth of Massachusetts	- Professional Mechanical Eng. (#xxxxx)
1987 Commonwealth of Massachusetts	- Professional Civil Engineer (#xxxxx)
1983 State of Connecticut	- Professional Engineer (#xxxxx)
1986 State of New Hampshire	- Prof. Civil & Mechanical Eng. (#xxxxx)
1987 State of Vermont	- Professional Mechanical Eng. (#xx-xxxx)

EXPERIENCE

Civil Engineering

Design of heavy hydraulic and mechanical equipment and site supervision on major construction projects requiring testing of piles, post tension operations, bridge lifts, structural repairs.

Studies, design, specifications and supervision of sub-surface sewage disposal systems for private, commercial and institutional applications involving soils testing and geological analysis of site conditions.

Studies, design, specifications and supervision of water, sanitary sewer, storm sewer lines for cities, towns and commercial entities..

Pilot testing of municipal water treatment process plants for state approvals.

Studies, design, specifications and supervision of municipal water distribution systems.

Water impoundment, earthen and concrete dam design, repair and construction.

Retaining wall and bridge design, specifications and construction.

Soils investigations for foundation design.

Generate system repair, up grade, and Operation & Maintenance Manuals for Wastewater Treatment Plants, community sewer systems, pump stations, etc. as required by Federal, State and county agencies.

Generate economic feasibility analysis reports for proposed construction projects and improvements. Consultant to town boards to ensure adherence to town engineering specifications.

Structural analysis of wood and steel frame structures for new construction, repairs and renovations.

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Consultant to Co-operative, condominium associations, institutional & commercial properties to solve structural, drainage and sewage problems.

Inspection of a variety of buildings to determine existing conditions of supporting structure, foundation, roof, plumbing, drainage, etc. and recommend corrective action.

Design and analysis of commercial waste water treatment systems for residential and commercial and manufacturing use.

Design, application and permitting for commercial solid waste transfer stations.

Mechanical Engineering

Design of air cargo handling equipment and building enclosures for major airlines.

Design, development, laboratory and field testing of electro-hydraulic-pneumatic braking systems for major railroad transit systems in the United States.

Design, development, laboratory and field testing of heavy truck, automotive and railroad lighting, and safety equipment involving photometric, electrical, stress, vibration and environmental analysis.

Design and development of automated robotic welding system to apply wear surface metal coatings to complex steel parts using plasma arc process. Design and development of production welding fixtures for structural elevator components.

Consultant on production machinery problems resulting in lower than specified production rates.

Consultant on analysis of machinery involved in industrial accidents to determine cause of mechanical equipment failure.

Design and analysis of roadway lighting fixtures in accordance with current requirements.

Routing and design analysis for commercial gas pipeline installations, environmental, safety, layout, etc.

Operates a Municipal Engineering Service Corp. - Mass Municipal Engineering Co., Inc. [MMEC, Inc.]

The company is engaged in the design and construction of water supplies, water supply systems, water treatment facilities, wastewater treatment systems, wastewater collection systems, municipal solid waste handling systems, roadway design, drainage, dam design, structural analysis, land planning, etc. for private developers and municipalities in the Commonwealth of Massachusetts, Conn., NY.

LEGAL CASES: Lawn Mower Accidents, Material Handling Equipment Accidents, Auto & Truck Accidents -Vehicle Lighting, Rail Vehicle - Braking Failures, Construction Fall Accidents, Construction - Structural Failures, Foundation, Construction - Excavation Failures, Heavy Equipment - Hydraulic Failures, Sea Wall & Retaining Wall Failures, Amusement Ride Accidents.