

**FREDERICK E. EBERT, P.E.**  
**Professional Profile**

**PROFESSIONAL SUMMARY**

Mr. Ebert is responsible for a wide range of water and wastewater engineering services for both the public and private sectors. The engineering services range from the design of water and wastewater treatment facilities to preparing discharge permits and pretreatment standards for industries to discharge their wastewater to public wastewater treatment plants. Mr. Ebert has twenty years of engineering experience providing the following:

- Detailed design and permitting of wastewater treatment plants, sanitary sewer collection and conveyance facilities, water supply and potable water distribution facilities.
- Construction start-up, studies, and detailed plans and specifications.
- Budget preparation and planning.
- Liaison and negotiations with State regulatory agencies.
- Negotiations between clients and contractors.
- Client Representative for the following Authorities and Townships
  - Warwick Township Water & Sewer Authority
  - Schwenksville Borough Authority
  - Northern Lancaster County Authority
  - New Morgan Borough
  - Alsace Township
  - Skippack Township
  - Borough of Conshohocken Authority
  - Lower Makefield Township Sewer Authority
  - Northampton Bucks County Municipal Authority (Special Projects)
  - Penn Del Borough
  - Falls Township (Special Projects)
  - Springtown Water Authority
  - Wrightstown Township
  - Plymouth Township

**KEY PROJECTS**

- Designed and permitted 2.4 MGD expansion of Eureka WWTP for Montgomery Township Municipal Sewer Authority utilizing the Aerobic, Anoxic, Aerobic process.

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- Designed 0.300 MGD Overlook Road WWTP for the East Brandywine Municipal Authority utilizing the sequential batch reactor (SBR) process utilizing drip irrigation and a golf course for disposal
- Designed and permitted 0.260 MGD Bedminster WWTP for the Bedminster Municipal Authority utilizing the sequential batch reactor (SBR) process.
- Designed and permitted 2.2 MG storage tank and 29,940 gpd spray irrigation facility for Upper Uwchlan Township Municipal Authority.
- Designed and permitted 3.2 MG storage tank and 73,000 gpd drip irrigation facility for Upper Uwchlan Township Municipal Authority.
- Designed and permitted 3.0 MG storage tank and 61,000 gpd drip irrigation facility for Upper Uwchlan Township Municipal Authority.
- Designed and permitted 0.012 MGD treatment lagoon and spray irrigation system for Alpine Rose Resorts in Eldred Township, Monroe County.
- Designed and permitted 0.320 MGD Heritage Creek WWTP for the Warwick Township Water and Sewer Authority utilizing the sequential batch reactor (SBR) process.
- Design and permitted 0.015 MGD Shelly Square WWTP utilizing the biologically engineered single sludge process
- Designed and permitted the 0.071 MGD Alsace Manor WWTP for Alsace Township utilizing the extended aeration process
- Designed and permitted the upgrade of the Chemical Road Pump Station from 1.0 MGD to 2.5 MGD firm capacity for Plymouth Township.
- Designed and permitted the Load Shaver Pump Station and Storage Tank with a firm capacity of 2.0 MGD for the Montgomery Township Municipal Sewer Authority.
- Served as Project Engineer for Country Crossing 0.15 MGD wastewater treatment plant utilizing the sequential batch reactor (SBR) process.
- Served as Project Engineer for Country Crossing 0.15 MGD water treatment plant and 0.4 MGD water storage tank.

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- 75 GPM Firm Capacity Eddystone Commons Pump Station  
Plymouth Township, Pennsylvania
- 335 GPM Firm Capacity Brinton Lake Pump Station  
Concord Township, Pennsylvania
- 85 GPM Firm Capacity High Meadows Pump Station  
Hopewell Township, New Jersey
- 94 GPM Firm Capacity Chestnut Creek Pump Station  
Horsham Township, Pennsylvania
- 570 GPM Firm Capacity Ashford Pump Station  
Newtown Township, Pennsylvania
- 700 GPM Firm Capacity Ellis Preserve Pump Station  
Newtown Township, Pennsylvania
- Designed and permitted supply wells in the Ground Water Protected Area of the Delaware River Basin Commission.
- Designed and permitted an equalization and odor control system for septic tank wastewater at a public wastewater treatment plant.
- Prepared a Spill Prevention and Response (SPRP) plan for the Montgomery Township Municipal Sewer Authority.
- Assisted various municipalities with engineering activities including subdivision plan reviews, establishing escrow accounts, I/I studies, stormwater management and preparing reports to the Pennsylvania Department of Environmental Protection and other regulatory agencies.
- Coordinated the discharge criteria, sampling and analysis requirements and permitting of industries discharging their wastewater to a public wastewater treatment plant.
- Assisted various municipalities in construction projects from the specification and contract development phase through to the final inspection.
- Developed an annual sewer rehabilitation program for the Montgomery Township Municipal Sewer Authority, Schwenksville Borough Authority, Northern Lancaster County Authority

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- Prepared Corrective Action Plans for the Northampton Bucks County Municipal Authority, Schwenksville Borough Authority, Lower Makefield Township Sewer Authority
- Prepared permit applications for permits including planning modules, NPDES, Water Quality Management Permits, Public Water Supply, soil disturbance and erosion control, and energy conservation from the Pennsylvania Department of Environmental Protection, Delaware River Basin Commission, Department of Labor and Industry, Bucks County Conservation District, Chester County Conservation District and the Montgomery County Conservation District for both municipalities and developers.

**EDUCATION**

B.S. Civil Engineering  
Lafayette College, 1994

**PROFESSIONAL REGISTRATIONS**

- P.E., Civil Engineering, Pennsylvania License No. PE 063096

**PROFESSIONAL AFFILIATIONS**

- National Society of Professional Engineers (NSPE)
- Eastern Pennsylvania Water Pollution Control Operators Association
- Pennsylvania Municipal Authorities Association
- Pennsylvania Onsite Wastewater Recycling Association
- National Onsite Wastewater Recycling Association