



**Terry M. Gellner, P.E.**  
**President TnT Engineering LLC**  
**5900 SOM Center Road**  
**STE 12-133**  
**Willoughby, Ohio 44094**  
**email: [terrygellner5s@gmail.com](mailto:terrygellner5s@gmail.com)**  
**Phone: 440-478-5445**

### ***General overview of Experience***

Mr. Gellner has conceptualized, studied, planned, designed and performed engineering services during construction on numerous wastewater treatment and system facilities, and water treatment and system facilities. His experience includes water pipe systems, elevated and ground storage tanks, pump stations and treatment plants; and wastewater pipe systems, pump stations and treatment plants, complete including all utilities, site work and coordination of structural, architectural, electrical, instrumentation and control, plumbing and mechanical discipline designs.

### ***Highlights of Specific Experience***

Managed projects with clients and all disciplines involved, and actively worked on the designs as the senior engineer. Usually his responsibility included direct contact with the client, managing the design team and incorporating the client's staff into the project team.

In addition to the design development and construction of conventional wastewater treatment facilities ranging between 5,000 gallons per day and 70,000,000 gallons per day, Mr. Gellner has ten years of experience with the membrane bioreactor (MBR) activated sludge technology which includes numerous studies and small, medium and large capacity designs of MBR activated sludge plants. The largest project is a plant having an average daily flow of 39 mgd and currently one of, if not, the largest MBR facilities designed in the world. MBR related experience includes national involvement to develop MBR activated sludge design projects, national technology committees and conferences, participation in MBR workshops, seminars, research studies, technology pre-selection and procurement, and presentations.

Solid stream process development experience and knowledge includes evaluating and/or designing anaerobic digesters, aerobic digesters, Autothermo Thermophilic Aerobic Digesters (ATAD), PAD K aerobic digesters with membrane thickening, K PAD anaerobic digesters, cannibal, lime stabilization, many mechanical dewatering systems, and stabilization with dryers/heaters. Dewatering techniques evaluated and/or designed includes belt and screw presses, rotary process, static dewatering, LED dewatering units and centrifuges.



Mr. Gellner's wide variety of wet stream and solid stream process designs required expanding his knowledge of advanced preliminary treatment facilities and equipment which increased his design experience for the application of new technologies developed in other industries but adaptable to the water and wastewater industry. Often time his projects were the first projects in Ohio utilizing these adaptable and proven technologies or equipment.

He has been involved with the design and construction of water and wastewater treatment facilities in Ohio for many years and more recently other states across the county. He has also been a leader across the nation in the development and/or sharing of MBR technology in many states including West Virginia, Maryland, Pennsylvania, and New York.

Water projects include his project management and engineering design for the Wheeling West Virginia Water Treatment Plant, 10 MGD capacity which utilized membranes for filtration and included many other improvements to upgrade the plant. He is also responsible for the implementation of numerous water storage tank project around Ohio including tanks in Lake County, Erie County, North Ridgeville, Waynesburg and Caldwell.

Mr. Gellner's water pipe, sanitary sewer and storm sewer projects exist in numerous communities across the state and is extensive. Projects have included 4 inch to 72-inch diameter pipe; materials such as DIP, PVC, HDPE, fiberglass, concrete and PCCP; systems with deep pipes, fully restrained pipe, aerial pipe, gravity flow, pressurized flow, potable water, sewage; and many types of crossing or parallel installations such as railroads, streams, creeks, State Highways and soil conditions.

He has also been responsible for many existing facility closures or facility demolitions. Some of the largest include the City of Canton closure of a trickling filter plant abandoned in 1950, sludge lagoons, and the eight existing anaerobic digesters.

A synopsis of Mr. Gellner's other experience includes resident engineer on numerous construction projects; value engineering, life cycle cost evaluations, best value evaluations and estimating; litigations; use of membrane filtration in water treatment plants; railroad, EPA and the Corp of Engineers permits; project funding including rate studies and with Ohio EPA's Department of Financial Assistance (DEFA), attendance at council and/or public meetings; storm water designs, permits and programs; post treatment systems; numerous miles of water, sanitary sewer and storm pipe design; pump stations; lead and asbestos abatement, radioactive material disposal and hazardous or materials disposal as related to treatment facilities; demolition of abandoned processes and/or facilities; pumping system designs; hydraulic design; nutrient removal process design for phosphorus and total nitrogen by selector processes; chemical systems for pH adjustment, coagulation, nutrient removal including phosphorus and total nitrogen and disinfection; aeration systems including positive displacement, centrifugal, turbo or hybrid blowers/compressors and many other associated project challengers of projects.

### ***Education***

University of Akron, Bachelor of Science Civil Engineering, December 1979



### ***Work History***

April 1994 to January 2013 –CT Consultants, Inc., Mentor, Ohio

January 1980 to April 1994 – Burgess & Niple, Limited, Painesville, Ohio

### ***Professional Engineering Registrations***

States of Ohio, Pennsylvania, Maryland and West Virginia

### ***Professional Involvement***

- WEF and OWEA since 1983 and AWWA member
- Served on OWEA committees since 1983 and WEF since 2004.
- Currently on the Plant Operations and Maintenance Committee for WEF as the Operations Vice Chair, 2014 to 2017.
- OWEA past president, recipient of the Keith Riley Award, OWEA Engineering Excellence award in 2005 and 2010 for the Canton WWTP Improvement and the Delphos WWTP respectively.
- Member of 5S and currently responsible for coordinating the NESOWEA education and training seminars.
- Has authored many technical papers and/or presentations for both water and wastewater. He has presented many topics at state and national conferences, to Owners and Engineers, and regulatory agencies.

