POGGEMEYER DESIGN GROUP

INNOVATIVE WATER SYSTEM IMPROVEMENTS




WELLINGTON, OHIO

1.2 MGD Multi-Tech High Rate Sedimentation, Multi-Media Filtration & Pressure GAC System, OWDA R&D Grant (Pilot)

- Particle counters vs. turbidity meters for more in-depth analysis. Full scale facility constructed/ operational.

PUT-IN-BAY, OHIO

.865 MGD Multi-Tech High Rate Sedimentation, Multi-Media Filtration & Pressure GAC System

- Expanded three times as needed with modular units. Full scale facility constructed/operational.

MCCOMB, OHIO

.5 MGD Multi-Tech High Rate Sedimentation, Multi-Media Filtration & Pressure GAC System

- Full scale facility constructed/operational.

BARNESVILLE, OHIO

2.2 MGD Multi-Tech High Rate Sedimentation, Multi-Media Filtration & Pressure GAC System

- Full scale facility construction, operational, and expanded. Original plant 1.7 MGD.

HURON/ERIE COUNTY, OHIO

6 MGD Micro Filtration (Pilot Process)

- Process for Lake Erie water treatment plant. Blending with a conventional process and as a potential stand-alone treatment.

DELTA, OHIO

1.2 MGD Integrated Membrane Surface Water Treatment Plant

- Full scale facility constructed/operational.

SOLAR INDUSTRY

.45 MGD Ultra Pure - Double Pass Membrane Treatment System

- Full scale facility constructed/operational.

BOWLING GREEN, OHIO

10 MGD Conventional Water Treatment Plant Expanded with 1 MGD Multi-Tech High Rate Infiltration and then Expanded with 3 MGD Membrane Filtration

- PDG also added 6 MGD UV system to the conventional plant. Total rated capacity is 10 MGD minimum. Full scale facility constructed/operational.

CAMPBELL SOUP COMPANY

15 MGD Surface Water Plant

- 1.5 MGD elevated storage tank construction, VFD high service pumping and 20" transmission main improvements to enable the existing clearwell to be out of service and the elevated tank to provide CT values during plant repairs and emergency shut downs. Full scale facility constructed/ operational.

LEADER IN INNOVATION

PDG has designed and constructed 17 different applications of new technology in the State of Ohio using pilot processes, experimental technology and research and development grants.

- Innovative Sewer Systems
- Interceptor Sewer Treatment Projects
- Bio-augmentation for Lagoons and Pump Station Grease and Odor Problems
- Pilot Studies (R&D Grants)
- First Municipal SBR Process in Ohio
- First Vacuum Assisted Sludge Bed in Ohio
- First Municipal Multi-Tech Filter System in Ohio
- First Ultra-Violet WTP Disinfection in Ohio
- First Municipal Pressure Granular Activated Carbon Column in Ohio
- First Aqua-Disk Tertiary Filter in Ohio
- First Municipal UV Self Cleaning System in Ohio
- First Municipal Surface Water Membrane Pilot in Ohio
- First EPA/OWDA Mandated Sewer Project Under EPA Control in Ohio
- First Full Scale Continuous Particle Counting Pilot
- Constructed First EPA Funded WWTP with No Sewers
- Constructed Zero Discharge Innovative System
- Constructed First Municipal AeroMod WWTP in Ohio
- Constructed Largest Tertiary Cloth Disc Filter and UV
- First Municipal Pure Oxygen Feed System (SDOX)
- First Phosphorous Limiting Tertiary Cloth Disc Filter
- First Ohio EPA Failed Non-Conventional Funding use for MBR System in Ohio
- First HiDOZ Ozone Full Scale Pilot in Ohio