

Andrew H. Johnson, P.E.

SENIOR PROJECT ENGINEER, CORPORATE TREASURER

Comprehensive experience in engineering design and project management with emphasis in electrical engineering and process control systems. Design experience includes water/wastewater treatment facilities, pumping stations, process treatment systems, infrastructure facilities, hydraulics, digital process control systems, instrumentation and telemetry systems, power distribution and motor controls. Member of Board of Directors and Corporate Treasurer since 1997.

Key Projects

SCADA System Upgrade, Clearfield Municipal Authority, Clearfield County, PA. Senior Project Engineer for \$250,000 SCADA system upgrade including radio telemetry.

SCADA System Upgrade, State College Borough Water Authority, Centre County, PA. Senior Project Engineer for SCADA system upgrade at twenty-two sites including radio telemetry.

Cerro Well Project, Spring Township Water Authority, Centre County, PA. Senior Project Engineer for \$1 million well development for public water supply including test well, permitting and DEP coordination.

Water Transmission Mains, Berkeley County Public Service Water District, Berkeley County, WV. Senior Project Engineer for \$18 million water transmission main projects including 85,000' of 12"-30" ductile iron pipe.

Water System Improvements, Grampian/Penn Township Municipal Authority, Clearfield County, PA. Senior Project Engineer for 300,000 gallon concrete water storage tank, 7,000 feet waterline extension and telemetry system installation.

Water System Improvements, Pennsylvania American Water Company, Washington County, PA. Senior Project Engineer for hydraulic grid reinforcement project including three booster pump stations, eleven pressure reducing stations and nine metering stations.

Ridgedale Tank Replacement, City of Cumberland Water Department, Allegany County, MD. Senior Project Engineer for the replacement of an existing 100,000 gallon elevated tank with a 225,000 gallon bolted, stainless steel standpipe.

Telemetry System Upgrades, Clearfield Municipal Authority, Clearfield County, PA. Senior Project Electrical Engineer for modifications to existing telemetry system including the addition of three remote units and the conversion of telephone to radio for communications.

Education

AS - Electrical Engineering
Pennsylvania State University

Registration

Pennsylvania (PE. 045155E)
North Carolina (PE. 038332)
Maryland (PE. 30111)
Pennsylvania, Water Treatment Plant
Operators License

Affiliations

American Water Works Association
Institute of Electrical & Electronic
Engineers
National Society of Professional
Engineers

Water System Improvements, Spring Township Water Authority, Centre County, PA. Senior Project Manager for new \$2 million well treatment facility, pumping station, waterline and reservoir liner.

Zion/Mingoville Pump Station Upgrade, Spring-Benner-Walker Joint Authority, Centre County, PA. Senior Project Engineer for \$1 million wastewater pump station expansion including larger wet well, new suction lift pumps, pump controls and building expansion.

Wastewater Treatment Facility Upgrade, Brookville Municipal Authority, Clearfield County, PA. Project Electrical and Controls Engineer for \$12 million wastewater treatment facility including power distribution, stand-by power system and plant wide SCADA system.

Wastewater Treatment Facility Bionutrient Removal Upgrades, Altoona Water Authority, Blair County, PA. Project Electrical Engineer for \$30 million Westerly Wastewater Treatment Facility upgrade including SCADA system.

Water Treatment Facility, Moundsville Water Board, Marshall County, WV. Senior Project Engineer for the design of power distribution system, motor control centers, standby power system and instrumentation system for an \$18 million water treatment facility.

Gretna Booster Station, Pennsylvania American Water Company, Washington County, PA. Senior Project Engineer for four water booster pump stations including site development, pumping system, mechanical piping and electrical/instrumentation system.

Horseshoe Curve Water Treatment Facility, Altoona Water Authority, Blair County, PA. Project Electrical and Instrumentation Engineer for complete power distribution system and plant process control system for a \$12.5 million water treatment facility upgrades and additions (7 MGD).

Engineer Representative, Spring-Benner-Walker Joint Sewer Authority, Centre County, PA. Authority Engineer Representative for wastewater system serving 7,000 customers.

Wastewater Collection System and Treatment Facility, Karthaus-Burnside Joint Sewer Authority, Clearfield and Centre Counties, PA. Senior Project Engineer for new \$9 million wastewater collection and treatment plant including sewers, pump stations and extended aeration treatment plant.

Combined Sewer Overflow Control Facilities, Altoona Water Authority, Blair County, PA. Senior Project Electrical Engineer for design, supervision and startup installation of electrical systems and facility automation system including remote monitoring via radio telemetry with a project cost of \$1.1 million.

Easterly Booster Pump Station, Altoona Water Authority, Blair County, PA. Senior Project Electrical and Instrumentation Engineer for complete power distribution and pump control systems.