

DEREK MAHONEY

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SKILLS

- Wastewater Treatment
- Activated Sludge
- SCADA
- Process Sampling
- Laboratory Testing
- Preventive Maintenance
- PPE
- Excel
- Word
- Attention to Detail

CERTIFICATES

Class II Wastewater Treatment Operator

Ohio Environmental Protection
Agency
2024

Class I Wastewater Treatment Operator

Ohio Environmental Protection
Agency
2022

SUMMARY

Wastewater operator with 5 years in municipal utilities, including 3 years running an 18 MGD activated sludge plant under an Ohio EPA Class II license. Monitors SCADA, collects and tests process samples, keeps pumps and blowers in service through preventive maintenance, and records every reading with attention to detail.

EXPERIENCE

Wastewater Operator

Lower Maumee Water Reclamation District

Toledo, OH

04/2023 - Present

Activated sludge plant treating 18 MGD for 140,000 residents.

- Operate aeration, clarifier and digester processes for an **18 MGD** plant with zero NPDES violations since 2024.
- Monitor 400 SCADA points a shift and adjust blowers and return sludge rates to hold dissolved oxygen at 2.0 mg/L.
- Collect 25 process samples a day, run pH, DO and TSS tests, and record results in Excel and Word.
- Perform preventive maintenance on 30 pumps and blowers, wearing required PPE for confined space and chemical work.

Utility Maintenance Worker

Oak Openings Public Works • Swanton, OH

06/2021 - 03/2023

Village public works department serving 9,000 residents.

- Repaired **40** sewer main breaks and service laterals a year with a 3-person crew.
- Jetted 25 miles of sanitary sewer a year and logged pipe defects for the capital plan.
- Maintained 6 lift stations, replacing pumps and floats to cut alarm callouts by 40%.

EDUCATION

High School Diploma

Anthony Wayne High School • Whitehouse, OH

05/2020