Brandon Kessler

WATER TREATMENT PLANT OPERATOR

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SUMMARY

Water treatment plant operator with 6 years in Texas utilities, holding a TCEQ Class B Water license and a Class D Wastewater license. Runs water treatment plant operations for a 40 MGD surface water plant, using SCADA, jar testing and pump hydraulics to keep turbidity low and pressure steady.

SKILLS

- Water Treatment Plant Operations
- SCADA
- Hydraulics
- Coagulation and Filtration
- Jar Testing
- Chemical Feed Systems
- Turbidity Monitoring
- Wastewater Treatment
- Communication
- Attention to Detail

EXPERIENCE

Water Treatment Plant Operator 03/2022 - Present

Hill Country Regional Water Authority Austin, TX

Surface water plant producing 40 MGD from Lake Travis for 300,000 people.

- Operate coagulation, flocculation, sedimentation and filtration for a **40 MGD** surface water plant.
- Monitor turbidity, chlorine and pH through SCADA, keeping filtered turbidity below 0.1 NTU on 99% of readings.
- Conduct jar tests twice a shift and adjust alum and polymer feed as raw water changes after storms.
- Track hydraulics of 4 high-service pumps and 3 storage tanks to hold system pressure during summer demand.

Wastewater Treatment Operator 06/2020 - 02/2022

Brushy Creek Utility District Round Rock, TX

6 MGD activated sludge plant serving suburban Williamson County.

- Ran wastewater treatment processes on rotating shifts, meeting TPDES permit limits in **20** straight months.
- Collected and tested 20 process samples a shift for TSS, DO and settleability.
- Replaced belts, seals and bearings on 15 pumps and blowers under the preventive maintenance plan.
- Briefed the incoming operator at each shift change on alarms, process changes and open work orders.

EDUCATION

High School Diploma 05/2019

Cedar Park High School Cedar Park, TX

CERTIFICATES

Class B Water Operator License
Texas Commission on Environmental Quality
2024

Class D Wastewater Operator License
Texas Commission on Environmental Quality
2020