

Wayne Lovett, CWP
TCEQ Provider Number 0769
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Career Focus

Teaching and Instructing Water or Wastewater Treatment

Certifications

"A" Certification – Wastewater Treatment WW0000769
"A" Certification - Water Treatment WO0003423
"B" MSW Supervisor License (Composting) SW0005805
TCEQ Provider Number 0769 for Teaching Water and Wastewater Courses

Courses Approved by TCEQ for Teaching and Instructing

Basic Wastewater Operations
Wastewater Treatment
Wastewater Collection
Water Utility Calculations
Water Utility Safety
Operation of Activated Sludge Plants

EMPLOYMENT HISTORY

Summary

Experience in water and wastewater treatment, with expertise in operations and management, teaching and training. Class "A" Certified Water Professional (CWP) in both water and wastewater.

2018 – Present

Part Time Instructor

**Texas A&M Engineering Extension Service (TEEX),
Texas A&M University System, College Station Texas**

Adjunct Instructor for the Infrastructure Training & Safety Institute, a division of the Texas A&M Engineering Extension Service (TEEX).

- ◆ Instructs students in the water and wastewater career field for state licensing and renewal
- ◆ Teaches water and wastewater courses offered by Division
- ◆ Maintains class records, updates lesson plans

2014 – 2018

Self Employed Part Time

Instructor - TCEQ Provider #0769 for teaching the following classes:

Basic Wastewater

Wastewater Treatment

Wastewater Collections

Operations of Activated Sludge Plants

Water Utility Safety

Water Utility Calculations

- ◆ **Various municipalities**
Providing classroom hours toward state certifications
- ◆ **TWUA Schools**
Providing classroom hours toward state certifications
- ◆ **Tarrant County College**
Provided classroom instruction under their EPA Water/Wastewater Grants
- ◆ **Bell County WCID #1**
Providing classroom hours toward state certifications

March 2004 –May 2017

Bell County Water Control & Improvement District (WCID) #1

Wastewater Superintendent / Safety & Compliance Officer

Responsibilities for the operations of 3 Waste Water Plants and a Regional Compost Facility:

18 MGD Activated Sludge Treatment Plant

6 MGD Activated Sludge Treatment Plant

6 MGD SBR Treatment Plant

Regional Compost Facility

Duties included:

- ◆ Supervised/monitored all operational activities at the wastewater plants and the compost facility
- ◆ Scheduled all testing
- ◆ Sent in Bio-Monitoring reports
- ◆ Scheduled DMRQA studies and reporting
- ◆ Prepared and sent all monthly reports to TCEQ
- ◆ Prepared and sent Tier 2 reports for the wastewater plants and the water plant
- ◆ Prepared and sent in sludge reports
- ◆ Responsible for a crew of 18 employees including a lab supervisor, 2 chief plant operators, a compost supervisor, maintenance crew, electricians, operators, grounds keeper, and truck drivers. Scheduled shifts and vacations and maintained records on licenses. Held monthly safety meetings and held training classes for licensing and renewal of licenses. Reviewed engineer drawings on plant upgrade from a 15 MGD to an 18 MGD plant and gave advice on changes to avoid operational problems. Participated in the building and start-up of a 6 MGD SBR plant and

the building and start-up of our regional compost facility. Planned out all operations on a land application site for sludge disposal. Helped operators troubleshoot operational problems at our plants and helped other municipalities with operational problems at their plants upon request. Participated in the planning and start-up of a re-use water project at our 18 MGD plant. Maintained all plant records and was involved in all TCEQ inspections.

January 1999 – March 2004

City of Harker Heights

Chief Plant Operator

Responsibilities include:

- ◆ Operation of 3 MGD activated sludge plant and collection system with 12 lift stations
- ◆ Supervised a crew of 3 employees
- ◆ Performed various duties at the wastewater plant on weekends and covered shifts as needed
- ◆ Operate conventional wastewater treatment plant
- ◆ Collect and analyze various samples
- ◆ Maintained the ultraviolet light system for disinfection
- ◆ Operate aerobic digester and belt press
- ◆ Record activities and results into daily logs
- ◆ Completed rounds on the wastewater plant and ran process control tests on the plant and made adjustments as needed. Checked and repaired or replaced pumps, did maintenance on equipment, calibrated and adjusted chemical output of feed pumps. Ran dissolved oxygen and pH tests. Monitored aeration and adjusted mixed liquor values. Checked and completed maintenance on lift-stations and the collection system and operated a vector truck.

February 1992 – December 1998

City of Jacksonville

Water and Wastewater Treatment Operator and Lab Tech

- ◆ Wastewater operation of a .9 MGD Trickling Filter Plant and a 3 MGD racetrack Activated Sludge Treatment Plant.
- ◆ Water operation and maintenance of 5 water wells.
- ◆ Ran all lab process control tests and permit tests including BOD, TSS, and NH₃.
- ◆ Made adjustments in the plants as needed after running various process control tests
- ◆ Performed various duties at the wastewater plant on weekends and covered shifts as needed
- ◆ Collect and analyze various samples
- ◆ Check and adjust disinfection equipment
- ◆ Record activities and results into daily logs
- ◆ Changed out chlorine and sulfur dioxide tanks
- ◆ Completed rounds on the wastewater plant, adjusted chemicals for process control of operations. Adjusted valves for process control, checked and repaired pumps, did maintenance on equipment, calibrated and adjusted chemical output of feed pumps. Ran dissolved oxygen, pH, and chlorine tests. Monitored aeration and adjusted mixed liquor values. Checked and completed maintenance on lift-stations and the collection system.