

# Water & Sewer Apprenticeship

Detailed breakdown of job tasks and duties assigned.

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## Water Treatment

- Performs water quality sampling and testing.
  - Performs daily rounds.
  - Performs chemical transfers.
  - Performs filter backwashing.
  - Understands and utilizes SCADA.
  - Performs water testing.
  - Performs MDH sampling as required.
  - Performs bi-monthly coliform bacteria sampling.
  - Performs bi-monthly chlorine testing.
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## Water Distribution

- Understands and performs maintenance on fire hydrants.
  - Repairs watermains, valves and hydrants via excavation.
  - Assists with the repair for pressure reducing valves.
  - Performs meter swaps.
  - Performs meter reading.
  - Perform water system flushing.
  - Performs and understands well sounding.
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## Misc. Water & Sewer

- Understands and reads maps & construction plans.
  - Provides notifications to residents for service interruptions and repairs.
  - Responds to emergencies.
  - Diagnoses customer water issues, such as large leaks.
  - Performs water & sewer utility locating.
  - Performs water meter installations and troubleshooting.
  - Understands and follows confined space safety protocols.
  - Performs water & sewer construction inspections.
  - Utilizes GIS System.
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## Sewer Collections

- Performs sewer line jetting and vacuum cleaning.
- Understands and maintains lift stations.
- Understands and maintains jetting maps.
- Performs sewer line televising with remote controlled camera.
- Utilizes sewer rodder.