

TITLE: Facility Technician

DEPARTMENT: Engineering / Operations / Lab

REPORTS TO: Operator

SUPERVISES: None

DEFINITION:

Understand and help maintain all aspects of the Industrial Waste Water Treatment Facility treatment processes and equipment, including: aerobic lagoon system, SBRs, anaerobic lagoon system, dewatering facility, and more.

Responsibilities include participating in maintaining a fully accredited Washington State Lab facility; assure complete and accurate analyses of water samples collected; assure compliance to Port's accreditation parameters by the training and review of correct collection, storage and testing procedures performed by Lab staff. Help to provide data necessary for Operator, Sprayfield Manager and key personnel in operations to maintain effective and efficient operation of IWWTF system.

CONTROLS OVER WORK:

The work will be performed under the direct supervision of the Operator. Performance appraisal will be given annually or as deemed necessary by the Port Operator.

ILLUSTRATIVE EXAMPLES / SPECIFIC DUTIES OF WORK:

1. Maintain accuracy of flowmeters; monitor reported flows; install and calibrate flowmeters as necessary; arrange for any calibrations required by regulatory agencies; maintain records of flowmeter inventory; locations of installation; and records of calibrations; cross train other personnel for monitoring of accurate flow, and calibration.
2. Program samplers to assure collection of adequate samples in a timely manner; calibrate samplers for retrieval of adequate representative samples; install samplers as required, ensuring appropriate interface between flowmeter and sampler. Help maintain samplers to ensure collection of representative samples and preservation of samples are in accordance with Standard Methods.
3. Responsible for groundwater monitoring, static water levels, appropriate purging of wells and collection of samples, and performance of field analysis of temperature, pH, conductivity; ensure appropriate preservation of samples and maintain their integrity; responsible for maintenance of sampling equipment including decontamination to prevent cross contamination
4. Calibrate and maintain insitu water quality probes, such as dissolved oxygen, turbidity and total suspended solids.
5. Assist in the installation of soil moisture monitoring access sites, collection of soil moisture data, and maintenance of software used to record/report soil moisture.
6. Operate and maintain specialized equipment and instruments used in the sampling, collecting, analysis and processing of samples, including but not limited to control panels, lab equipment, samplers, pumps etc.

7. Assist Operator and Sprayfield Manager in troubleshooting as necessary to identify and diagnose problems and potential problems.
8. Collect samples of water or soils, data on monitoring well as directed and in accordance with the Port's Standard Operating Procedures and Standard Methods.
9. Work as a team with Operator or Sprayfield Manager on projects throughout the system as needed. Assist in documenting and filing this information, analyzing data and preparing routine reports.
10. Assist in the performance of regular and unscheduled maintenance and repairs on Port equipment and machinery.
11. Comply with all local, state and federal regulations as applicable; communicating with regulating agencies as needed.
12. Perform a variety of tests on samples using lab equipment which may include spectrophotometer, incubator, digester, ovens and various meters.
13. Share items which may be relative to system efficiency with the Operator so he may take appropriate actions.
14. Assure accuracy and completeness of Lab specific reports to DOE or any applicable government agency. In conjunction with Operator, Sprayfield Manager and key operations personnel, develop files for all aspects of reports utilizing all information gathered within the IWWTF system.
15. Proficient at using various computer programs to analyze data and prepare routine reports; develop and maintain accurate logs and records of daily lab work.
16. Any and all duties as assigned.

Working Conditions:

- a. Duties are primarily performed in the field and lab with specialty equipment and computers. The employee may be required to travel to meetings in and out of town and may be required to attend Port meetings.
- b. Physically perform the essential functions of the job, including but not limited to ability to properly lift up to 50 pounds, walk long distances per day on uneven terrain.
- c. Safely operate all Port vehicles.

DESIRED QUALIFICATION:

Education and Experience:

Any equivalent combination of education and experience which provides the applicant with the knowledge, skills and abilities required to perform the job. A typical way to obtain the knowledge and abilities would be:

- * A minimum of a two year degree from a technical institute or college and at least two years of experience in environmental sampling, experience in monitoring wells, soil testing, flow meters and samplers or related work.
- * Valid Washington State vehicle operator's license

Knowledge of:

- * Laboratory practices and procedures.
- * Basic Knowledge of electronic control and instrumentation.
- * Safety practices and procedures applicable to industrial wastewater facility maintenance and repair.
- * Safe and effective operating practices of equipment used in the laboratory.
- * Industrial Wastewater Treatment, machinery, equipment and instruments.
- * Local, State, Federal regulations and standards related to industrial wastewater facility operations and sample analyses.

Ability to:

- * Operate laboratory equipment used in sample analyses.
- * Successfully manage time and prioritize tasks within parameters given by Port Operator.
- * Perform routine arithmetic calculations.
- * Ability to read and write English fluently.
- * Establish and maintain effective working relationships with employees, Commissioners, other agencies and public in general.
- * Communicate effectively, both orally and in writing, with individuals and groups regarding all issues or regulations affecting the Port.
- * Other duties as assigned.

WAGE AND BENEFIT PACKAGE:

Salary Range: \$30,000 - \$50,000 annually

Regular Full Time

Status: Non-Exempt