

CITY OF EDMONDS

CLASS TITLE: PRE-TREATMENT TECHNICIAN

BASIC FUNCTION:

Under the direction of the WWTP Manager, responsible for conducting regional compliance inspections, monitoring dischargers, determining discharge classification, maintaining tracking system, conducting sampling and reporting programs, and developing and implementing compliance and education programs for the service area to the Edmonds Wastewater Treatment Plant. Occasionally operate, monitor, adjust and maintain wastewater treatment plant equipment.

REPRESENTATIVE DUTIES:

Inspects businesses and industries to determine nature of business, the wastewater generating process and the magnitude, type and impact of wastes produced; initiates enforcement action; designs, implements and maintains enforcement tracking system. *E*

Develops, implements and maintains a regional oil and grease prevention program including collection sampling and customer education; develops public education materials including production of written documents, newsletter articles and brochures. *E*

Coordinates and communicates with other local agencies regarding pretreatment issues within their jurisdictions; provides technical assistance to builders, developers and businesses on discharge requirements and pretreatment options. *E*

Reviews Industrial Discharge permits for compliance; makes recommendations to management; reviews monitoring reports to ensure compliance and maintain Industrial permits, records and reports; communicates with the Department of Ecology regarding pretreatment issues as necessary. *E*

Collects composite and grab samples from regional wastewater collection system, investigates odor complaints and high strength sewage issues; conducts laboratory tests on samples for temperature, PH, BOD, COD, TSS, Chlorine Residual, and coordinates with contract laboratories for priority pollutant metals, oil and grease, and other analysis. *E*

Schedules and conducts flow monitoring; gathers, collects and reports information and findings; maintains and services field equipment and tools. *E*

Perform related duties as assigned. *E*

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Operation and maintenance of wastewater collections systems and wastewater treatment plant;
Industrial pretreatment processes;
Laboratory procedures and practices;
Sampling techniques;
Federal and State laws, rules and regulations related to pretreatment and discharge of industrial waste;
Computer software applications related to treatment processes;
Applicable City ordinances, policies and standards;
Safety rules and regulations.

ABILITY TO:

Maintain records and prepare reports.
Write and analyze reports;
Use programmable samplers;
Operate a variety of hand tools, machinery, vehicles and equipment.
Read, understand and interpret engineering drawings, plans and maps;
Use computer and related software applications;
Operate laboratory, field sampling, and flow monitoring equipment;
Work independently with little direction.
Establish and maintain effective interpersonal relationships with all organizational levels, customers and the public; and
Communicate effectively with coworkers, supervisor, business owners, regulatory agencies, the general public, etc. sufficient to exchange or convey information and to receive work direction.

EDUCATION AND EXPERIENCE: Any combination equivalent to: completion of college level coursework in Engineering Technology, Biology or Physical Science and four years related experience in wastewater treatment, and/or in the inspection, permits monitoring and sampling of industrial pretreatment.

LICENSES AND OTHER REQUIREMENTS:

Valid Washington Class II Wastewater Operator certificate, or ability to obtain within 12 months.

Valid Washington State driver's license.

WORKING CONDITIONS:

ENVIRONMENT:

Exposure to various weather conditions and temperatures
Work in confined spaces
Exposure to industrial waste discharges, raw sewage, grease, oil, chemicals, mechanical parts, electrical currents, fumes, odors, low lighting, intense noise
Driving a vehicle to conduct work

Pre-Treatment Technician

PHYSICAL ABILITIES:

Climbing ladders

Dexterity of fingers and hands, including grasping and feeling sensations

Hearing and speaking to exchange information

Seeing to read instruments and a variety of written materials

Performing repetitive motions, including balancing, stooping, kneeling, crouching, crawling, reaching, standing, pushing, and pulling

Lifting and carrying up to 50 pounds of force occasionally

Walking for extended periods while performing inspections and investigations

HAZARDS:

Exposure to hazardous chemicals, sewage and biological hazards

Sewage vapors and odors

Working around and with machinery having moving parts

Working at heights of ladders and structures