

Code: 2416

Title: INDUSTRIAL WASTEWATER INSPECTOR

SUMMARY: Performs technical work inspecting wastewater dischargers, preparing industrial wastewater discharge permits, and enforcing discharge regulations to protect Pima County's Wastewater treatment, disposal, and utilization system in compliance with EPA standards, State laws and Pima County Ordinance.

DUTIES/RESPONSIBILITIES: (Work assignments may vary depending on the department's needs and will be communicated to the applicant or incumbent by the supervisor.)

Inspects EPA regulated and/or significant-discharge industrial wastewater pre-treatment facilities and other industrial facilities to evaluate physical/chemical treatment processes, treatment records, hazardous wastes manifests, and related pre-treatment functions for compliance with EPA standards; Conducts pre-permit inspection of businesses/industries to determine category of discharge and appropriate sampling methods; Performs manual and automatic wastewater sample collection from industrial discharges, Pima County treatment plants, surface water runoff, rivers, and collection systems; Analyzes wastewater laboratory and self-monitoring reports for violations; Documents violations of discharge requirements for use by the County Attorney; Documents chain-of-custody on samples as evidence of legal custody; Enters confined spaces and other discharge access points to supervise installation, inspection, adjustment or service sampling equipment; Writes concise reports-for-record detailing inspection results for use in potential civil and criminal enforcement actions; Drafts enforcement action documents such as notice of violation, show cause, intent to suspend, and suspensions; Prepares legal documentation of all transactions with wastewater dischargers; Answers inquiries and provides information to the public regarding industrial wastewater discharge control requirements for EPA regulated and significant discharge businesses; Participates in the scheduling of sampling and inspection activities; Maintains supply levels, controls vehicle and equipment status and condition; Chemically stabilizes samples to ensure integrity for analysis; Analyzes field samples; Responds to chemical spills and other wastewater conveyance system problems to perform sample analysis and problem resolution; Trains Industrial Wastewater Inspector Trainees in procedures and techniques; Draft industrial wastewater discharge permits; and Uses sampling, monitoring, and testing equipment, periodically inspecting, cleaning, calibrating, and performing minor repairing of this equipment.

KNOWLEDGE & SKILLS:

Knowledge of:

- the techniques of wastewater sample collection, preservation and field analysis using manual, mechanical and electronic sampling equipment;
- safety procedures for handling and working with chemicals and toxic waste products;
- manhole and confined space entry into hazardous environments and associated traffic control;

- chemical reactions of waste materials;
- government mandated standards for industrial wastewater control;
- principles of wastewater treatment;
- hydraulics associated with wastewater conveyance systems;
- business English, grammar and composition;
- the legal requirements for documenting court cases.

Skill in:

- using laboratory and electro/mechanical equipment to collect samples;
- communicating effectively;
- collecting and recording data and sample evidence for enforcement actions;
- preparing and maintaining records used in enforcement actions and/or court evidence;
- entering confined spaces for sample collection;
- performing mathematical and statistical computations associated with sample size and discharges;
- using a computer for word processing/report writing;
- reading engineering plans/drawings.

MINIMUM QUALIFICATIONS:

EITHER

(1) An Associate of Science Degree from an accredited college in chemistry, ecology, biology, or environmental technology.

OR

(2) Two years of experience as a laboratory technician, which included the collecting, testing and analysis of refuse or wastewater samples.

OR

(3) Two years of experience with Pima County as a Senior Wastewater Treatment Plant Operator.

OTHER REQUIREMENTS:

Licenses and Certificates: Possession of a valid Class D Arizona Driver's License required at time of appointment.

Physical/Sensory Requirements: All positions require: Lift and carry up to seventy-five pounds, stand or walk for extended periods of time; safely operate assigned vehicles and other equipment; performing duties in isolated or harsh environments, e.g., extremes of heat, sun exposure, humidity, cold, inclement weather, at all hours. Performing work around the wastewater and wastewater byproducts, industrial effluence streams, industrial environments, including work with laboratory chemicals.

This class specification is intended to indicate the basic nature of positions allocated to the class and examples of typical duties that may be assigned. It does not imply that all positions within the class perform all of the duties listed, nor does it necessarily list all possible duties that may be assigned.