

Code: 2716

Title: WASTEWATER TREATMENT PLANT OPERATOR

SUMMARY: Operates Wastewater Treatment Plant (WWTP) equipment, systems and associated equipment, within the limits imposed by certification or system permit, at a central WWTP or an independent or remote site.

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

Operates equipment involved in the pre-treatment, secondary treatment, and final adjustment of wastewater;

Performs operator-level servicing, maintenance and adjustments to assigned equipment, facilities or associated systems;

Monitors equipment operation and reports deficiencies or malfunctions to supervisor, or at independent and remote sites, initiates remedial or repair actions to assure system operations continuity;

Records readings from metering devices and reports unusual or potential problem readings to supervisor for further action or direction;

Collects, labels, documents and transports for lab analysis composite samples of effluent of various treatment processes;

Performs compliance laboratory testing of wastewater samples requiring immediate analysis and initiates remedial actions required;

Skims matter from surface of primary clarifiers and pumps into digesters;

Assists other WWTP Operators in the operation of equipment involved in the secondary treatment and solids control system;

Makes basic mathematical calculations to measure and record wastewater flow;

Cleans up and maintains work and equipment areas;

Applies relevant industrial safety practices.

KNOWLEDGE & SKILLS:

Knowledge of:

- regulatory requirements of NPDES, APP and Reuse Permits;
- basic mathematics;
- wastewater treatment processes;
- operations of wastewater treatment plant equipment;
- hazardous material handling and communication standards;
- industrial safety practices.

Skill in:

- following oral and written instructions;
- operating wastewater plant equipment;
- trouble-shooting equipment/system problems and initiating required remedial or repair actions;
- interpreting and applying technical information from equipment and system schematics, diagrams, operating and maintenance reference materials;
- collecting, labeling, performing and documenting lab analysis of effluents and wastewater;
- measuring and performing needed mathematical calculations to record wastewater flow;
- compiling and maintaining equipment and systems maintenance, testing and operations logs;
- using industrial safety procedures on the job.

MINIMUM QUALIFICATIONS:

EITHER:

(1) One year of experience with Pima County as a Wastewater Treatment Plant Attendant.

OR:

(2) Graduation from high school or GED equivalency and six months of experience in wastewater treatment plant maintenance or operations.

OR:

(3) Holding a current Arizona Department of Environmental Quality (ADEQ) Wastewater Collection Grade 1 Wastewater Treatment Plant Operator Certificate.

OTHER REQUIREMENTS:

Licenses and Certificates: All positions require a valid ADEQ Grade 1 Wastewater Treatment Plant Operator certification either at the time of appointment or within six months of appointment. A valid Arizona Class D Driver's License is required at the time of appointment. Some positions may require a valid Arizona Class B Commercial Driver's License, with appropriate endorsement, at the time of appointment or prior to completion of initial/promotional probation. Failure to obtain and maintain the current required license/certification shall be grounds for termination.

Special Notice Items: Some positions may carry the risk of exposure to infectious disease, asbestos or wastewater and sewage products, therefore special medical screening prior to or during employment may be necessary to assure employee health and safety.

Physical/Sensory Requirements: All positions require the ability to lift up to seventy-five pounds for brief periods. Some positions require the ability to enter and work in confined spaces, which may require the proper wearing of individual safety and protective equipment.

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

Pima County

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