

Code: 2737

Title: WASTEWATER TREATMENT PLANT MECHANIC

SUMMARY: Repairs, services and maintains mechanical and hydraulic equipment in a wastewater treatment facility.

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

Performs preventive, routine, emergency and periodic maintenance of wastewater treatment plant (WWTP) equipment and related systems;

Inspects and evaluates operating characteristics of supported equipment and systems, diagnoses problems or deficiencies, and takes or directs corrective actions or repairs needed;

Interprets and applies technical information from blueprints, schematics, operating/maintenance guides and related materials;

Coordinates maintenance actions with WWTP operations staff to avoid or minimize disruption of system operations;

Maintains maintenance and activity logs on assigned equipment and system;

Installs/replaces large and complex equipment and associated components;

Identifies to management essential operating spares, supplies and equipment required to support maintenance operations;

Maintains, issues and accounts for operating spares and supplies consumed in maintenance operations;

May direct the activities of personnel and assist in their training.

KNOWLEDGE & SKILLS:

Knowledge of:

- mechanical maintenance and repair practices, procedures, techniques and tools of the trade;
- occupational hazards and safety precautions of the trade;
- operating principles of wastewater treatment/conveyance systems;
- operating principles of typical equipment found in a wastewater treatment plant/facility.

Skill in:

- using and maintaining tools and equipment of the trade;
- understanding and effectively carrying out technical, oral and written instruction;
- giving technical advice and assistance;
- evaluating equipment operations and conditions, determining remedial actions needed, and performing needed work;
- interpreting and applying technical guidance found in blueprints, schematics, operating/maintenance guides and related materials;
- maintaining maintenance and activity logs;
- identifying and maintaining stocks of operating spares and supplies to support maintenance operations.

MINIMUM QUALIFICATIONS:

EITHER:

(1) Three years of experience in the maintenance and repair of industrial engines, pumps, blowers, conveyors, grinders, compressors or hydraulic systems.

OR:

(2) Two years of experience with Pima County as a Wastewater Mechanical Maintenance Technician.

OTHER REQUIREMENTS:

Licenses and Certificates: A valid Class D Arizona Driver's License is required at the time of appointment. Some positions may require a valid Class A, B or C Arizona Commercial Driver's License, with appropriate endorsements, at the time of appointment or prior to the completion of initial/promotional probation. Failure to obtain/maintain the required licensure/certification/registration shall be grounds for termination.

Special Notice Items: Some positions may carry the risk of exposure to 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: Some positions may require any or all of the following: lifting and carrying up to seventy-five pounds or more; wearing required safety clothing and equipment, working with or in the presence of obnoxious odors; working with noxious or potentially hazardous chemicals, compounds or products; ascending and descending ladders and stairs to reach and work upon elevated or below-grade work platforms and job sites; differentiating between colors.

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

Revised 06/08/97
Updated 8/03/11(lsg)