

*Code: 2723*

*Title: CO-GENERATION PLANT SUPERVISOR*

**SUMMARY:** Supervises and manages the operation and maintenance of a co-generation power production facility providing uninterrupted electrical power and supporting utility systems and services to 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.)

Supervises the operations and maintenance of power generating, heating, ventilating and air-conditioning (HVAC) systems and equipment to furnish uninterrupted power for a wastewater treatment facility;  
Establishes and assures assigned staff compliance with operating instruction, preventive maintenance, training programs and schedules;  
Inspects and directs correction of operations, maintenance, repair and facility maintenance;  
Establishes and assures maintenance of manual and automated operating, maintenance/repair logs and associated record keeping systems;  
Supervises process water chemical sampling, testing and adjustments;  
Reads, interprets and applies technical information from operating/maintenance manuals, specifications, schematics, sketches, drawings, blueprints and related technical data, contract provisions and standard operating procedures to plan or facilitate work;  
Assists operations and maintenance staff in trouble-shooting and resolving unusual technical problems associated with power-generating, HVAC, related systems and equipment;  
Prepares and monitors power production facility operations and maintenance budget;  
Coordinates with engineering staff on labor and material cost estimates for proposed construction, repair or maintenance of plant facilities, equipment and systems;  
Assures that sufficient operating supplies, spare and related materials are maintained;  
Administers and participates in negotiations for maintenance contracts;  
Coordinates operations and maintenance activities with contractors, vendors, engineers and outside agencies;  
Supervises, trains and evaluates assigned operations and maintenance personnel;  
Compiles and submits operations, maintenance, routine and special reports to management;  
Maintains work schedule records.

**KNOWLEDGE & SKILLS:**

Knowledge of:

- procedures, practices, tools and materials used in the maintenance and repair of large stationary engines, pumps, blowers and other heavy plant equipment associated with power production and HVAC systems;
- occupational hazards and safety precautions applicable to mechanical maintenance and repair work of treatment plants and gas-powered electrical generator stations;
- principles of co-generation, waste, heat energy, recovery systems and dry gas fuel application;
- principles and practices of employee supervision, training and evaluation;
- public works contracting practices;
- principles of operation of wastewater treatment plants/systems;
- regulatory requirements for engine emissions, air quality and similar requirements affecting central plant operations and maintenance.

Skill in:

- organizing, planning, coordinating, supervising and evaluating the work of staff;
- compiling and submitting technical and management reports;
- reading, interpreting and applying technical information from operating/maintenance manuals, specifications, schematics, sketches, drawings, blueprints and related technical data, standard operating procedures and contract provision;

- . assisting operations and maintenance staff in trouble-shooting unusual or unique problems;
- . operation of specialized testing equipment;
- . developing, applying and maintaining service, operations, maintenance and related schedules and operating procedures;
- . developing and administering operating and maintenance budgets;
- . sampling, testing, documenting and adjusting process water chemistry;
- . evaluating operations and maintenance activities and developing cost-effective program enhancements;
- . coordinating plant operations and maintenance activities with other agencies, contractors and facilities to assure uninterrupted power and HVAC services;
- . use and care of equipment and tools utilized to perform various mechanical repair tasks.

MINIMUM QUALIFICATIONS:

EITHER:

(1) Three years of experience with Pima County as a Lead Power Production Engineer, Lead Co-Generation Plant Operator, Senior Central Plant Systems Technician, Lead Kino Central Plant Operator or Lead Stationary Engineer.

OR:

(2) Six years of experience in power production and distribution in a stationary plant equipment operations setting and two years of supervisory experience in a power-production setting. (Supervisory experience may be concurrent with general experience)

OTHER REQUIREMENTS:

Licenses and Certificates: A valid Arizona Class D Driver's License is required at the time of appointment. Failure to maintain the required licensure shall be grounds for termination.

Physical/Sensory Requirements: Physical and sensory abilities will be determined by position.

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.