



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

OPERATIONS AND MAINTENANCE TECHNICIAN I COATER (Entry)

Group-Section: Water System Operations - Various	FLSA Status: Non-Exempt Bargaining Unit: AFSCME	Classification: Operations and Maintenance Technician Salary Grade: 27 Job #: S03A
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JOB SUMMARY

Learns coating skills, experience and knowledge in the practices, procedures, and methods of surface preparation and the use of varied materials and tools, ensures effective application of protective coatings on a wide range of Metropolitan assets, equipment, facilities and related components

Assists with performing practices and procedures of substrate preparation and coating applications to protect a wide variety of water utility systems, assets, equipment and appurtenances including valves, pipelines, feeders, gates, substructures and related water delivery assets prone to corrosion and wear.

Assists in the utilization of coating skills to effectively protect and improve a variety of structures and assets composed of varied metals, concrete, wood or polymers as well as contemporary composites or other similar materials. Assists in the operational core of water and power reliability by assisting in effectively meeting or exceeding customer expectations through advanced coating practices applied to maintain, stabilize or improve the quality of equipment within treatment plants, conveyance and distribution facilities, shops and other occupied and unoccupied structures.

SUPERVISION:

Received:

Work is performed with clear and detailed instructions. Close supervision is given to ensure proper adherence to standards, procedures, rules, and practices; deviations are referred to a supervisor or lead person. Checking for quality workmanship is accomplished on a routine basis. As the employee progresses in skill, knowledge, and experience, routine supervision may be appropriate. Direction is provided on the tasks to be undertaken with some latitude to rearrange work sequences. Guidance on the approach to standard circumstances, tasks and activities is provided in standards, specifications, rules, or common craft practice. A lead person or supervisor provides guidance on the approach to tasks or activities encountered in non-standard or uncommon circumstances.

Receives oversight from the Team, Unit, Section manager, Assistant Group, or Group Manager.

Given:

None

JOB DUTIES

Assists with coating tasks to effectively protect and improve a variety of structures and assets composed of varied metals, concrete, wood or polymers as well as contemporary composites or other similar materials. Coater I's support the operational core of water and power reliability by effectively meeting or exceeding customer expectations through basic coating practices applied to maintain, stabilize or improve the quality of equipment within treatment plants, conveyance and distribution facilities, shops and other occupied and unoccupied structures.

1. Assists with general surface preparation and coating PMs, CMs and improvements to protect varied water utility assets, equipment, parts, structures and related systems from the degradation of corrosion and wear, and to enhance operational reliability and capacity.
2. Assists with general substrate preparation and treatment for effective coating adhesion on a variety of materials in both shop and field environments by safely utilizing traditional hand as well as power tools and equipment such as scrapers, grinders, sanders, brushes, degreasers, cleaners, and sandblasting equipment.
3. Assists with calibrating, testing and maintenance of supplied air breathing apparatus, as well as air monitoring equipment.
4. Assists with the operation of coating application equipment such as high volume low pressure (HVLP), airless, electrostatic, powder coating and various types of injection pumps.
5. Assists with identifying and utilizing appropriate media for safe and effective use in substrate preparation.
6. Assists with safely mixing and preparing coating material including traditional and advanced materials such as paints and related thinners/vehicles of various types and viscosities, as well as epoxies, sealants, plastics, polymers and composite materials.
7. Assists with completing accurate and timely regulatory records as required by the AQMD.
8. Under close supervision, performs and/or assists with operating necessary equipment such as varied abrasive blasting and hand preparation tools, sprayers, associated compressors, scaffolds, ladders, lifts, three ton stationary cranes (non-mobile) and rigging or similar equipment to effectively complete preparation and coating work.
9. Assists with, improvement, PM and CM activities on a variety of preparation and coating equipment such as sandblasters, sprayers, air monitoring equipment and similar equipment to ensure effective operation.
10. Assists with general mechanical work related to the shutdown, inspection, and repairs to aqueducts, pipelines/treatment plants, or other operating facilities.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience:

High school diploma or GED in addition to minimal experience with hand tools and power tools associated with industrial coating applications.

Required Knowledge of: Employees in this title are entry-level and learn skills through classroom and on-the-job training or they are obtaining the necessary experience working with higher-level Coaters to competently demonstrate:

Theories, practices, tools and materials of surface preparation and coating techniques and their application to water utility assets, equipment and parts, facilities, building construction, field and shop maintenance and repair work; the use of coating application equipment such as high volume low pressure (HVLP), airless, electrostatic, powder coating and various types of injection pumps in order to effectively apply industrial coating, and; the calibration, testing and maintenance on supplied air breathing apparatus and air monitoring equipment including gas monitoring and HEPA filtration systems; Federal, State and local codes and other regulations for all phases of coating preparation and application to ensure safe and effective handling of toxic substances to ensure environmental compliance; the application of a variety of coating media utilized in water utility and general industrial settings that provide effective equipment/asset integrity and protection; the set-up, assembly and removal of various scaffolds, lifts, buckets, cranes and rigging or similar work platforms necessary to complete work of the varied surfaces used in the water industry ranging from concrete, steel and other metal alloys, to wood and composite material; safety practices and regulations for operating mechanical and electrical equipment.

Required Skills and Abilities to: Assist in using and maintaining all equipment traditionally used in the abrasive blasting and coating/finishing trades in both a shop and field environment, and understand, read and interpret complex manuals and drawings including tool and media manufacturers' specifications related to coating work necessary to repair, rehabilitate and protect equipment, parts and structures or component systems from corrosion and/or wear.

CERTIFICATES, LICENSES and REGISTRATIONS REQUIREMENTS

Employees in this position may be required to obtain and maintain the following certifications, licensing and registrations:

- May be required to obtain a valid Drivers license from state of residency equivalent to a California Class A or B with appropriate commercial license endorsements
- Crane Certification
- Manlift Certification
- Forklift Certification
- Respirator Certification

PHYSICAL DEMANDS/WORK ENVIRONMENT

Expectations of Hours of Service:

Employees in this position may be required to work off-shift hours to address operational needs and emergencies as required. May be required to work extended periods away from the normal reporting location. Requires participation in plant and system shutdowns.

Physical Demands:

Heavy tasks may require lifting and carrying items weighing up to 50 pounds, with intermittent need to lift and carry materials and/or equipment weighing up to 100 pounds with assistance. Frequently requires pushing, pulling, turning and positioning parts, assemblies, equipment and tools weighing as much as 100 pounds with assistance. May be required to lift and move heavy items with the assistance of others and with lifting devices such as jacks, hoists and cranes of varied types and capacities. Physical effort includes frequent walking, stooping, bending, reaching, standing, kneeling and sitting for long periods of time. At times may be required to use respiratory filtration and supplied air devices.

Work Environment:

Work is performed indoors and outdoors in high vehicular traffic areas and at large pumping, treatment, hydroelectric or control facilities or other assets under all types of conditions, including extreme temperatures, open and confined spaces ranging from crawl spaces to sub-structures as well as varied types of terrains. Job tasks may require working from heights and functioning from lifts, hoists, buckets, scaffolds, and cranes over surfaces ranging from earthen materials to concrete, steel and water. Work activity may be frequently conducted in close proximity to electrically energized equipment including high voltage systems. The work environment frequently involves exposure to equipment and tools producing high levels of noise, as well as potentially dangerous materials and chemicals that require careful adherence to extensive safety precautions, rules and regulations.