



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

OPERATIONS AND MAINTENANCE TECHNICIAN IV COATER (Journey)

Group-Section: Water System Operations - Various	FLSA Status: Non-Exempt Bargaining Unit: AFSCME	Classification: Operations and Maintenance Technician Salary Grade: 41 Job #: T03A
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JOB SUMMARY

Utilizes journey level 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 to protect and improve a variety of Metropolitan structures and assets composed of varied metals, concrete, wood or polymers, as well as, contemporary composites or other similar materials.

Applies coating practices to maintain, stabilize or improve the quality of equipment within treatment plants, conveyance and distribution facilities, shops and other occupied and unoccupied structures including valves, pipelines, feeders, gates, substructures and related water delivery assets prone to corrosion and wear.

Supervision

Received:

Work is performed with minimal and at times intermittent on-site supervision. Broad direction is given in terms of operations and maintenance objectives that may require self-initiated work planning and sequencing as well as coordination with approved material resource experts. Limited detailed guidance and advice is available which may result in the modification of work in varied situations. Performance may be measured by the timeliness and quality of work, operations and maintenance objectives, and individual goals.

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

Given:

As a lead may exercise technical and/or functional direction over assigned staff.

Specific attention is given to on-the-job training and development of O&M Technician Coater I, II, and III-Coater employees, in order that those employees attain specialized knowledge and skills to advance to O&M Technician Coater IV.

JOB DUTIES

1. Performs general and advanced surface preparation and coating PM, CM 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. Completes general and advanced surface 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. Completes calibration, testing and maintenance of supplied air breathing apparatus, as well as, air and gas monitoring equipment such as LeMans type equipment or equivalent.
4. Effectively utilizes coating application equipment such as high volume low pressure (HVLP), airless, electrostatic, powder coating and various types of injection pumps.
5. Utilizes designated abrasive material for safe and effective use in surface preparation.
6. Safely mixes and prepares 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. Completes accurate and timely regulatory usage records as required by the AQMD.
8. Operates necessary equipment such as varied abrasive blasting and hand preparation tools, sprayers, associated compressors, scaffolds, ladders, lifts, three ton or less stationary cranes and rigging or similar equipment to effectively complete preparation and coating work.
9. Performs 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. Performs general mechanical work related to the shutdown, inspection, and repair of aqueducts, pipelines, treatment plants or other operating facilities.

EMPLOYMENT STANDARDS

Minimum Qualifications

Education and Experience:

High school diploma or GED in addition to a minimum of 6 years in an industrial and coating position.

OR

High school diploma or GED in addition to the attainment of journey level skills through completion of a recognized coater trade training program.

Experience and knowledge as demonstrated by practical application of techniques and practices specific to the coating/finishing trade. Skills necessary include surface preparation, coating methods and application techniques, tool use and light equipment operation. Also requires journey-level skills in preventive and corrective maintenance practices related to coating/finishing generally obtained through applicable training and experience.

Required Knowledge of: 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; 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 metals alloys, to wood and composite material; and Safety practices and regulations for operating mechanical and electrical equipment, safety practices and regulations for operating mechanical and electrical equipment, as well as, assisting in the appropriate storage and disposal of hazardous materials and waste specific to the craft being performed, and ability to 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.

Required Skills and Abilities to: Use and maintain all equipment traditionally used in the abrasive blasting and coating/finishing trades in both a shop and field environment.

Certificates, Licenses and Registrations Requirements

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

- Valid Drivers license from state of residency equivalent to a California Class A, B, and/or C with required endorsements
- Crane Certification
- Manlift Certification
- Forklift Certification
- Respirator Certification

PHYSICAL DEMANDS/WORK ENVIRONMENT

Expectations of Emergency and Stand-by Service: Employees in this position may be required to work off-shift hours and/or stand-by service 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 and special projects.

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 will be required to use respiratory filtration and supplied air devices.

MWD

Metropolitan Water District of Southern California

Work Environment: Work is performed indoors and outdoors in vehicular high 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.

Job Title: Operations and Maintenance Technician IV - Coater

Job Code: T03A

Adopted: 01/29/08

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