JOB DESCRIPTION
Corrosion Control Technician
Code Number: 18026

GENERAL PURPOSE

Under direction, performs technical duties related to the District’s cathodic protection program; inspects and repairs cathodic protection systems; coordinates the work of contractors; gathers water levels for groundwater monitoring purposes.

DISTINGUISHING CHARACTERISTICS

Corrosion Control Technician is the journey-level class. Incumbents in this class perform difficult and complex assignments, requiring considerable independent judgment and initiative. The duties of this class are typically performed with considerable latitude for the exercise of independent judgment within established procedures, guidelines, and policies.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the class.

Performs a variety of skilled duties involved in the inspection, diagnosis, trouble-shooting, and maintenance of the water distribution systems as they relate to cathodic protection.

Initiates the interior recoating of District water storage reservoirs; performs and/or arranges for the interior, exterior and structural inspection of all District water reservoirs.

Organizes and monitors the installation of cathodic protection systems on water pipelines and reservoirs within the District.

Organizes and conducts field testing procedures for all District cathodically protected structures, such as reservoirs and pipelines.

Coordinates activities with other sections and divisions or agencies.
Collects water levels and records for groundwater monitoring.

Submits requisitions for necessary tools, equipment and supplies.

Responds to emergency situations as necessary.

Performs related duties as assigned.

DESIRED MINIMUM QUALIFICATIONS

Knowledge of:

Mathematics including algebra, geometry and trigonometry; water hydraulics; basic electrical theory; methods of cathodic protection; cost estimating; principles, methods, techniques, tools and equipment used in the installation, maintenance and the operation of a large Waterworks system; basic principles of groundwater monitoring; safety practices, safe work methods and safety regulations; computer applications related to the work; codes, ordinances and regulations pertaining to the work.

Ability to:

Read and interpret engineering drawings survey notes and mechanical specifications; exercise independent judgment and initiative within established guidelines; establish and maintain effective working relationships with those contacted in the course of work; coordinate work assignments with other sections, divisions or agencies; follow and apply written and oral work instructions; communicate effectively, orally and in writing; make sound independent judgments within established guidelines; train others in work processes and procedures.

Training and Experience:

A typical way of obtaining the knowledge, skills and abilities outlined above is graduation from high school, or G.E.D. equivalent; or an equivalent combination of training and experience.

Licenses; Certificates; Special Requirements:

A valid California driver’s license and the ability to maintain insurability under the District’s Vehicle Insurance Policy.
A State of California Water Distribution Operator Certificate, Grade II.

NACE CP Tester I Certificate must be obtained within 18-24 months of hire into this classification.

PHYSICAL AND MENTAL DEMANDS

The physical and mental demands described here are representative of those that must be met by employees to successfully perform the essential functions of this class. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Demands

While performing the duties of this job, the employee is regularly required to use hands to finger, handle, feel or operate objects, tools or controls; and reach with hands and arms. The employee frequently is required to stand and talk or hear; and walk or sit. The employee is frequently required to climb or balance; stoop, kneel, crouch or crawl; and smell.

The employee must regularly lift and/or move up to 50 pounds and frequently over 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and the ability to adjust focus.

Mental Demands

While performing the duties of this class, the incumbent is regularly required to use written and oral communication skills; read and interpret data, information and documents; analyze and solve problems; use shop mathematics; observe and interpret situations; deal with changing, intensive deadlines; and interact with officials and the public.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this class. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
The employee frequently works outside in a wide range of weather conditions, near moving mechanical parts, and on slippery and uneven surfaces. Employees may, at times, be required to wear appropriate personal protective equipment including respiratory protection while performing work in environments that could have the potential to contain wet or humid conditions, vapors or particulates, hazardous chemicals, and the risk of electric shock. The noise level in the work environment is frequently loud.

The incumbent is subject to weekend work and 24-hour call out on a seven-day basis.