

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

SENIOR CORROSION SPECIALIST - 1807

DEFINITION:

Under direction, to plan, direct, and supervise the work of a major corrosion engineering design section; to plan, develop, and implement the overall corrosion mitigation program to support the operation of the City's water or wastewater facilities; and to perform related work.

*** EXAMPLES OF DUTIES:**

- Plans, assigns, and supervises the work of subordinate Corrosion Engineers and subprofessional personnel in the development of engineering designs and specifications for corrosion control systems;
- Supervises professional engineers and performs preparation of engineering designs and specifications for corrosion control systems in the City's water and wastewater facilities;
- Evaluates corrosion prevention systems and makes recommendations on improvements;
- Prepares technical corrosion engineering studies;
- Reviews all technical data and reports for accuracy;
- Oversees all plan reviews;
- Oversees design guide reviews and inspections;
- Prepares corrosion project estimates for the bid process and bid documents;
- Performs data analysis and writes reports and specifications;
- Performs in-depth corrosion studies and evaluations to determine the extent of corrosion and determines mitigation measures to address existing corrosion in treatment plant pumps and pipelines;
- Plans, develops, maintains, and implements a Citywide corrosion mitigation program for the City's water and wastewater facilities;
- Performs field investigations and inspections;
- Performs related duties.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.

Four years of full-time professional corrosion engineering experience, which must include the design, installation, and maintenance of cathodic protection (CP) systems, development of specifications for CP systems, and development of specifications for protective coatings. One year must have been at a level equivalent to the City of San Diego's classification of Associate Engineer-Corrosion; **AND** current certification with the National Association of Corrosion Engineers (NACE) as a Cathodic Protection Specialist (CP-4), **OR** current registration as a professional Corrosion Engineer with the State of California.