

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

WASTEWATER PRETREATMENT INSPECTOR I - 1374

DEFINITION:

Under supervision, and in a training capacity, to perform the less complex wastewater pretreatment inspection, permitting, investigation, enforcement, or other regulatory management activities; and to perform related work.

DISTINGUISHING CHARACTERISTICS:

This is the sub-journey class in the Wastewater Pretreatment Inspector series. Most positions are classified at the Wastewater Pretreatment Inspector II level, which is the fully experienced or journey-level class. In a training capacity, positions may be underfilled with Wastewater Pretreatment Inspector I, in accordance with the City's Career Advancement Program. This class is distinguished from the next higher class in that Wastewater Pretreatment Inspectors I inspect, permit, investigate, and enforce less complex assignments, and receive more direction and guidance.

*** EXAMPLES OF DUTIES:**

- Inspects industrial and commercial processes to determine the type and amount of waste being discharged into the system;
- Observes work flow processes to understand chemical and water uses, distribution, and disposal;
- Draws schematics of field sites and industrial processes;
- Determines appropriateness of wastewater pretreatment systems;
- Identifies existing or potential wastewater pretreatment process and industry operational problems that may lead to discharge problems;
- Explains discharge regulations to the industry;
- Recommends chemical and other constituents to be tested for, as well as determines appropriate sampling protocols;
- Recommends the approval of discharge permits;
- Prepares reports;
- Conducts review of wastewater samples laboratory test data;
- Conducts research to gather information regarding water consumption and laboratory analysis history;
- Initiates enforcement action to secure permit compliance;
- Performs related work.

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

- * **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.

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>.

A Bachelor's Degree in Chemical or Environmental Engineering, Chemistry, Biology, or a closely related field; **AND** one year of full-time professional-level industrial waste pretreatment inspection experience applying regulations at industrial facilities which must include all of the following: identifying and classifying processes subject to local regulations and/or federal pretreatment standards; determining whether pretreatment technology in place meets or exceeds model technology for the applicable category and standards; performing water use and loss audits; drafting permits that apply federal pretreatment standards and establishing monitoring requirements; developing manufacturing processes and pretreatment process flow diagrams; and calculating limits using the Combined Wastestream Formula (CWF), **OR** one year of full-time professional-level experience in one of the following options, as a primary job function: chemical, environmental, or sanitary engineering experience in the design, operation, and inspection of wastewater and/or pretreatment processes; chemical wastewater laboratory experience in an industrial waste program including the sampling and analysis of toxic pollutants; or environmental regulatory experience conducting site evaluations and determining compliance with environmental regulations.