

## ENVIRONMENTAL ENGINEER (7872)

### TASK LIST – 2023

1. Directs the study of wastewater reclamation plants and stormwater collection and treatment operating procedures, and/or solid and wastewater collection system operations, including the efficiency and effects of water and wastewater treatment, air pollution control, pollution problems in waste disposal, and plant methods and capacities in order to direct the design and construction of future facility expansion and improve the operation and design of future facilities.
2. Directs the planning, design, construction and start-up of stormwater collection and treatment, and wastewater reclamation plants processes, solid waste facilities and/or collection systems, facilities and projects involving material recovery such as recycling, household hazardous waste and bio-solids.
3. Directs the investigation and gathering of data affecting public health and the environment, the City's wastewater reclamation plants and stormwater facilities supply, liquid and solid waste collection, treatment and disposal in order to ensure compliance with requirements of various permits.
4. Directs engineering studies of the disinfection of the wastewater and stormwater systems in order to comply with permit and public health requirements.
5. Investigates complaints or inquiries from the public or regulatory agencies, such as air quality, effluent quality, or wastewater spills, and then prepares a report or recommends solutions to remedy the problem.
6. Supervises the development of plans and specifications for wastewater collection systems, water reclamation plants, water reclamation, and future water treatment needs, including materials for future projects.
7. Supervises and coordinates the installation and construction or modification of new water, wastewater collection, or air treatment facilities, and reclamation plants.
8. Supervises the evaluation of the performance and efficiency of processes and equipment at water reclamation plants and air pollution operations, and initiates changes in order to optimize plant operation and efficiency.
9. Manages consultant and City employee activities during the design and construction of water and wastewater collection systems, water reclamation plants, plant modifications, and air pollution control systems.
10. Supervises the post-closure maintenance of municipal landfill activities in order to prevent groundwater contamination and comply with Air Quality Management District (AQMD) requirements.
11. Performs cost/benefit analysis and makes recommendations for present and future operational needs in order to evaluate the economic efficiency of proposed projects.

12. Presents before elected or appointed government officials or boards, such as the Los Angeles City Council, State Water Quality Control boards, or Air Quality Control Board, as a departmental or City representative.
13. Confers with public health agencies, such as the Los Angeles County Department of Public Health, the United States Environmental Protection Agency (USEPA), or the California Division of Drinking Water (DDW), regarding development of environmental programs and processes in order to ensure compliance with the California Environmental Quality Act (CEQA) and National Environmental Quality Act (NEPA).
14. Responds to inquiries from management, public agencies, law offices, and the City Attorney's Office, on technical and non-technical matters relative to stormwater, wastewater collection, and water and wastewater treatment systems, air quality, and solid waste operation.
15. Prepares Requests for Proposals (RFPs) from consultant firms for environmental projects and evaluates responses based upon selection criteria.
16. Conducts planning investigations in support of determining need, and for locating and sizing sewer projects to support the needs from new construction, or to respond to storm events.
17. Estimates the cost and schedule of capital improvement projects in order to secure funding.