

**CITY OF MOUNTAIN VIEW
CLASS SPECIFICATION**

Position Title: Postclosure Environmental Systems Technician Senior Postclosure Environmental Systems Technician	Job Family: 6 6
General Classification: Front-Line	Job Grade: 18 22

Definition: To monitor, maintain, and operate the City landfill postclosure environmental control systems, including landfill gas extraction and control (wells, well pumps and header, lateral, air and condensate piping, valves, and boxes); flare station and air compressor stations; to monitor and maintain facilities and equipment such as landfill gas migration monitoring probes and perimeter trenches, and groundwater and leachate monitoring wells; to maintain the integrity of the final cover (including clay liner), grading, and drainage systems; and to maintain other sanitary systems as part of the City's Shoreline at Mountain View park and landfill postclosure facilities.

Distinguishing Characteristics: Postclosure Environmental Systems Technician: This is the entry-level class in the Postclosure Environmental Systems Technician series. This class is distinguished from the Senior Postclosure Environmental Systems Technician by the performance of more routine maintenance tasks and operational duties. Employees at this level are not expected to perform with the same independence of direction and judgment on matters related to established procedures and guidelines as the Senior-level position. Senior employees work under the immediate supervision of the Postclosure Environmental Systems Specialist and/or Postclosure Supervisor while learning job tasks and developing and enhancing job skills. Senior Postclosure Environmental Systems Technician: This is the advanced journey-level class within the Postclosure Environmental Systems Technician series. This class is distinguished from the Postclosure Environmental Systems Technician by the assignment of a full range of advanced journey-level duties. Employees at this level receive only occasional instruction or assistance from the Specialist and/or Supervisor as new or unusual situations arise and are fully aware of the operating procedures and policies within the work unit. Positions in this class are flexibly staffed and are normally filled by advancement from the Postclosure Environmental Systems Technician level once the person is evaluated as being competent and meeting standards in all categories evaluated.

Supervision Received and Exercised: Postclosure Environmental Systems Technician: Receives general supervision from the Postclosure Supervisor and/or the Specialist and may provide technical assistance to other postclosure personnel. Senior Postclosure Environmental Systems Technician: Receives general supervision from the assigned Specialist and/or Postclosure Supervisor; provides general and technical assistance to the Postclosure Environmental Systems Technician and other personnel as required.

Position Title: Postclosure Environmental Systems Technician
Senior Postclosure Environmental Systems Technician

Page 2

Examples of Duties: Duties may include, but are not limited to, the following:

Postclosure Environmental Systems Technician:

1. Operate and maintain the landfill gas extraction system (wells, pumps, gas collection pipelines, leachate/condensate collection system, and compressed air distribution systems).
2. Monitor and record information from landfill gas wells, methane migration probes, and leachate wells.
3. Operate, monitor, and maintain flare station and compressor stations (may include duty program assignment); make necessary equipment repairs and manual and/or electronic adjustments; calibrate and maintain all landfill gas, leachate, and lower explosive limit (LEL) structure monitoring equipment.
4. Conduct monthly landfill surface inspection for gas emissions and safety issues over the landfill site, identifying problems, and assisting with developing solutions.
5. Operate heavy equipment needed for landfill cap repairs and a variety of assorted and specialized hand tools needed for landfill gas, leachate/condensate, and air line systems repairs.
6. Perform tasks associated with postclosure maintenance requirements of regulatory agencies such as maintenance of the earthen seal (landfill cap), pumping stormwater from ponded areas, and other duties associated with preventing landfill gas and leachate from escaping the landfill.
7. Assist with sophisticated electrical and electronic component operations and repairs under direction of a higher-level technician.
8. Maintain inventories of equipment parts and assist with reordering as necessary.
9. Perform related duties as assigned.

Senior Postclosure Environmental Systems Technician: In addition to the requirements for Postclosure Environmental Systems Technician:

10. Work closely with Engineering and Environmental Compliance staff to review plans and specifications impacting the landfill surface and various landfill postclosure systems throughout Shoreline at Mountain View.

Position Title: Postclosure Environmental Systems Technician
Senior Postclosure Environmental Systems Technician

Page 3

11. Monitor gas supply and pressure with telemetry (SCADA) equipment; adjust pumps and valves to maintain proper pressure.
12. Collect and input landfill postclosure system data into computerized files and systems, and perform data queries.
13. Provide technical assistance to Postclosure Environmental Systems Technicians and other postclosure personnel, as necessary.
14. Identify and mitigate operational and safety hazards.
15. Assist Postclosure Environmental Systems Specialist/Supervisor with safety meetings.
16. Assist Postclosure Environmental Systems Specialist with Geographical Positioning System (GPS) operations.
17. Perform related duties as assigned.

Minimum Qualifications:

Postclosure Environmental Systems Technician:

Knowledge of: Principles of gas and/or water collection and distribution, air quality monitoring systems, and occupational hazards and related safety precautions associated with landfill postclosure operations and practices; air quality, groundwater, and leachate sampling techniques; techniques and procedures for maintaining and calibrating air quality monitoring systems; and principles and practices of safety related to areas of assignment. Familiarity with standard methods of obtaining and collecting gas, liquid, and solids samples.

Ability to: Operate and maintain air quality monitoring and related equipment; operate heavy equipment such as backhoe, sheep's foot roller, tamper, etc., in the performance of assigned duties; maintain and operate mechanical air quality, leachate, and groundwater monitoring equipment; ensure proper use and care of tools; codes, policies, regulations, and procedures related to the operation of the air quality monitoring, leachate collection, and groundwater monitoring; communicate clearly and concisely; and establish and maintain effective working relationships with those contacted in the course of work.

Position Title: Postclosure Environmental Systems Technician
Senior Postclosure Environmental Systems Technician

Page 4

Senior Postclosure Environmental Systems Technician (in addition to the requirements for Postclosure Environmental Systems Technician):

Knowledge of: Principles and practices of maintenance and repair activities related to landfill postclosure assignments; pumps and valves used in postclosure operations; techniques and procedures in basic carpentry, metal, electrical, and mechanical work; full knowledge and understanding of the City's postclosure operation and related monitoring and regulating devices; techniques and procedures for monitoring and regulating the postclosure operation and maintaining the integrity of the clay cap; section policies, standards, and procedures pertaining to maintaining an adequate, safe landfill postclosure operation; techniques and procedures for maintaining and repairing electrical control systems, mechanical control systems, hydraulic control valves, pump control valves, and related instruments; trenching and shoring safety practices and recordkeeping requirements and procedures related to landfill postclosure operations and maintenance.

Ability to: Monitor, operate, and repair a landfill gas leachate and groundwater system; perform preventive maintenance and routine repairs on electrical, mechanical and hydraulic control systems, pumps, and related instruments and controls. Assign and review the work of others; operate heavy equipment skillfully and safely; perform heavy manual labor; understand and follow oral and written instructions; establish and maintain effective working relationships with those contacted in the course of work; and learn to operate new and more complex sophisticated electronic equipment and systems, including SCADA, GPS, microturbines, etc.

Experience and Training Guidelines: Combination of relevant experience, education, and training that will satisfy the required minimum qualifications, knowledge, and abilities.

Postclosure Environmental Systems Technician:

Two years experience in the maintenance and operation of gas collection/distribution, wastewater collection, or water distribution systems, preferably with specialized mechanical air quality testing/monitoring equipment. Education equivalent to the completion of the 12th grade. Completion of courses in air-quality standards and health and safety regulations within one year of appointment.

Position Title: Postclosure Environmental Systems Technician
Senior Postclosure Environmental Systems Technician

Page 5

Senior Postclosure Environmental Systems Technician (in addition to Postclosure Environmental Systems Technician):

A minimum of two years of increasingly responsible experience performing duties equivalent to those performed by a Postclosure Environmental Systems Technician within the City of Mountain View.

Required Licenses or Certificates: Postclosure Environmental Systems Technician: Possession of a Class C California Driver License. Possession of a Competent Person certification and a 40-hour Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) certificate within one year of appointment. Possession of a valid California Class B Driver License is highly desirable. Senior Postclosure Environmental Systems Technician: Possession of a Class B California Driver License. Possession of a Competent Person certification and a HAZWOPER certificate at time of appointment. A Solid Waste Association of North America (SWANA) Landfill Operations Technical Associate certificate and training in team building and/or supervision is required within one year of appointment. Possession of a California Driver License Tanker Endorsement is highly desirable.

Working Conditions: Preemployment, hearing conservation, periodic respiratory, and medical surveillance examinations may be required for this classification.

Established: October 1991

Revised: December 2016

HRD/CLASS SPECS

Postclosure/Senior Postclosure Environmental Systems Technician