

## TAHOE-TRUCKEE SANITATION AGENCY

### Class Specification

## Job Title: Engineering Department Manager

Department: Engineering

FLSA Status: EXEMPT

Revised as of: **12/2019**

### **DEFINITION**

Plans, organizes, directs and reviews the activities and operations of the Engineering Department, including the development, administration and execution of engineering projects related to the Agency's advanced wastewater treatment plant and interceptor pipeline; directs safety and regulatory compliance; coordinates assigned activities with other departments and outside agencies; and provides highly responsible and complex administrative support to the General Manager.

### **DISTINGUISHING CHARACTERISTICS**

The Engineering Department Manager duties are administrative/managerial and highly complex in nature, involving highly technical functions. The incumbent has broad management authority for the day-to-day operations of the Engineering Department, as well as functional authority/responsibility for overseeing numerous engineering projects and studies.

### **SUPERVISION RECEIVED AND EXERCISED**

Reports directly to, and receives administrative direction from the General Manager. Responsibilities include broad management authority over professional and technical positions in the Engineering Department.

**EXAMPLES OF DUTIES:** *the duties specified below are representative of the range of duties assigned to this class and are not intended to be an inclusive list.*

- Develops, plans and implements department goals and objectives; recommends and administers policies and procedures.
- Coordinates department activities with those of other departments and outside agencies and organizations; provides staff assistance to the General Manager and Board of Directors; prepares and presents staff reports and other necessary correspondence.
- Directs, oversees and participates in the development of the department's work plan; assigns work activities, projects and programs; monitors work flow; reviews and evaluates work products, methods and procedures.
- Supervises and participates in the development and administration of the Engineering Department budget; directs the forecast of additional funds needed for staffing,

## **JOB TITLE: Engineering Department Manager**

equipment, materials and supplies; monitors and approves expenditures; implements mid-year adjustments.

- Selects, trains, motivates and evaluates personnel; provides or coordinates staff training; conducts performance evaluations; recommends and/or implements discipline procedures; maintains discipline and high standards necessary for the efficient and professional operation of the department.
- Directs, plans, and oversees the design, construction and implementation of complex projects associated with the operations of the Grade V wastewater treatment plant including structural, mechanical, instrumentation, and architectural projects; directs and oversees construction inspections of projects.
- Directs and oversees the preparation and administration of the Agency's long-term master plan and capital improvement project plan including preparation of cost estimates for budget recommendations; administers approved CIP budgets.
- Coordinates with other department managers regarding the effective planning and implementation of engineering projects to ensure minimal disruption to operations.
- Directs, develops, reviews and approves engineering solutions, designs, plans, specifications and cost estimates for projects and equipment.
- Secures and manages the services of contractors and consultants in the performance of engineering studies and projects; prepares and administers engineering contracts and purchase agreements.
- Serves as liaison between the Agency and regulatory agencies, stakeholders and outside organizations.
- Oversees the development and maintenance of various hydraulic models for conveyance, treatment and pumping systems.
- Serves as Agency's Safety Director; oversees safety audits, safety committee meetings, emergency first responder meetings and safety related projects; reviews and approves safety plans and programs.
- Represents the department to outside groups and organizations; participates in outside community and professional groups and committees; provides technical assistance as necessary.
- Researches and prepares technical and administrative reports and studies; prepares written correspondence as necessary.
- Represents the Agency with dignity, integrity, and the spirit of cooperation in all relations with staff and the public.
- Builds and maintains positive working relationships with co-workers, other Agency employees and the public using principles of good customer service.
- Performs related duties as assigned.

## **JOB TITLE: Engineering Department Manager**

### **QUALIFICATIONS**

#### **Knowledge of:**

- Principles and practices of advanced engineering including, planning, design, cost estimating, construction, operation and inspection of a wide variety of wastewater projects.
- Principles and practices related to Grade V wastewater treatment, conveyance systems, analytical quality control methods and interpretation of data.
- Basic process control principles used in a Grade V wastewater treatment plant.
- Methods of master planning.
- Principles and practices of advanced project management.
- Principles and practices of leadership, motivation, team building and conflict resolution.
- Pertinent local, State and Federal laws, rules and regulations.
- Organizational and management practices as applied to the analysis and evaluation of programs.
- Principles and practices of organization, administration and personnel management.
- Principles and practices of budget preparation and administration.
- Modern office practices, methods, and computer equipment including relevant software programs.
- Operation of office equipment including personal computers, fax machines, copiers, printers, telephones, voicemail and e-mail systems, etc.
- Oral and written communication skills; business English including vocabulary, spelling, and correct grammatical usage and punctuation.
- Principles and practices of safety and emergency procedures.
- Principles and practices of customer service.

#### **Ability to:**

- Plan, direct and control the administration and operations of the Engineering Department.
- On a continuous basis know and understand requirements and all essential aspects of the job; access, review, analyze and interpret a wide variety of reports, technical data and budget documents; know and understand laws, regulations, rules and codes related to area of assignment; observe performance and review and evaluate staff; problem solve department related issues; remember various processes and requirements; and interpret and communicate policy, information and instructions.
- Prepare and administer department budgets.
- Develop and implement department policies and procedures.
- Supervise, train and evaluate assigned personnel.
- Gain cooperation among staff and management team through discussion and persuasion.

## **JOB TITLE: Engineering Department Manager**

- Analyze problems, identify alternative solutions, project consequences of proposed actions and implement recommendations in support of goals.
- Interpret and apply local, regional, State and Federal and Agency policies, procedures, rules and regulations.
- Analyze complex operational processes and perform complex engineering calculations in the development of sound recommendations.
- Read and interpret plans, specifications, diagrams and maps.
- Write and revise technical and regulatory reports.
- Understand and carry out oral and written instructions, and prioritize workload to meet deadlines.
- Read, write and comprehend the English language at a level necessary for effective job performance exercising correct English usage, vocabulary, spelling, grammar and punctuation.
- Communicate effectively, tactfully and positively in both oral and written form.
- Operate and use modern office equipment and technology, including computers and applicable software.
- Maintain regular attendance and adhere to prescribed work schedule to conduct job responsibilities.
- Function in confined spaces and/or hazardous environment.
- Utilize appropriate safety procedures and practices for assigned duties.
- Establish and maintain effective working relationships with those contacted in the course of work.
- Contribute effectively to the accomplishment of Agency goals, objectives and activities.

### **Experience and Education:**

Any combination of experience and training that would provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

### **Experience:**

Eight years of supervisory or higher-level experience that involved professional engineering duties; including two years in a management capacity.

### **Education:**

Equivalent to a Bachelor's degree from an ABET accredited college or university with major course work in engineering or a related field.

### **SPECIAL QUALIFICATIONS**

### **License and Certificate:**

Possession of a valid California or Nevada Class C Driver License is required at time of appointment.

## **JOB TITLE: Engineering Department Manager**

Possession of a valid Certificate of Registration as a Licensed Professional Engineer in Civil or Mechanical Engineering issued by the California Department of Consumer Affairs Board for Professional Engineers, Land Surveyors, and Geologists.

Possession of, or ability to obtain a confined space certification within six months of appointment.

Persons employed in this classification are required to participate in Agency provided training to acquire basic First Aid and Cardiopulmonary Resuscitation (CPR) certificates during the initial 12 months of employment and continued maintenance of a valid certificate as a condition of employment for this position.

Possession of, or ability to obtain a 40-hour Hazwoper Hazardous Materials Technician Level III certification within six months of appointment.

### **PHYSICAL REQUIREMENTS**

Work effectively at desk and in meetings for long periods of time; intermittently move, traverse and position self while performing duties; travel to conduct off-site inspections; access equipment surrounding desk; activate, use and operate a computer and other office equipment; use telephone; communicate through written means; and move or transport weight of 20 pounds or less.

Ability to wear a self-contained breathing apparatus and air purifying respirator.

### **WORKING/ENVIRONMENTAL CONDITIONS**

Work is performed in a typical temperature controlled office environment subject to typical office noise. Some duties expose the incumbent to outdoor conditions and to all weather conditions. Possible exposure to chemicals (dust, gases, liquids, solids, fumes), odors and plant noise. Position requires work both during and outside of regular business hours, as well as occasional weekend work and the ability to travel.