

**SILICON VALLEY CLEAN WATER**  
**Job Description**  
**November 2022**

*Disclaimer – Class descriptions are written as a representative list of the ADA essential duties performed by the entire job classification. They cannot include, and not intended to include, every possible activity and task performed by every specific employee.*

**JOB TITLE: Senior Capital Improvement Program Manager**

**FLSA: Exempt**

*Every employee shall serve at the will and pleasure of Silicon Valley Clean Water ("SVCW"). No employee has, or may acquire, a property interest, nor any other kind of interest in, or right to, continuing employment with SVCW. The Manager, upon request of an employee who has been discharged, will review all the circumstances of such discharge.*

**SUMMARY**

The Senior Capital Improvement Program (CIP) Manager will work with the Engineering-Operations-Maintenance Divisions of SVCW that are responsible for implementing a capital improvement program and revenue-funded capital projects and responding to engineering and process needs of other SVCW departments related to capital and process improvements.

Under general guidance of a SVCW Department Manager or their designee, manages all aspects of the numerous projects within an assigned Capital Improvement Program, assists with Plant Operations and Maintenance requests for engineering, research, procurement, and capital facilities improvements.

The Senior CIP Manager works directly with the SVCW Senior Management, SVCW Engineering Division, SVCW Operations & Maintenance Divisions, and other SVCW divisions as needed. The Sr. CIP Manager will also work directly with Program Managers, Engineering Firm staff, Consultants, Construction Managers, Contractors, Project Managers, Public Agencies' staff, and Individuals to provide comprehensive coordination, direction, and implementation of projects in a timely and cost-effective manner.

Individual must possess the knowledge skills and ability to manage programs and projects containing complex issues from initial conceptualization and Master Plan development, through Technical Memorandum phase (preliminary design), and Detailed Design, to Competitive Bidding, Construction, System Start-up, Asset Management initiation and turnover of system(s) to the various Divisions of SVCW. Individual must have working knowledge of Plant operations, treatment processes, and maintenance procedures.

Individual must be able to effectively communicate complex technical project issues both orally and in writing, while maintaining a high quality and effective decision-making process.

**ESSENTIAL DUTIES AND RESPONSIBILITIES include the following:**

- Develops, Implements, and Manages specific Capital Improvement Programs and Projects: establishing program goals and objectives, developing various scope of works, budgets and schedules, overseeing progress, and initiating solutions.

- Manages, plans, organizes, coordinates, and directs the activities of program managers, project managers, consultants, engineering firms, construction managers and contractors.
- Initiates and either supports the SVCW Manager or Authority Engineer in reporting or submits reports on commission agenda items for required action.
- Develops, implements, and manages capital projects in addition to projects within the CIP and in support of other SVCW Divisions.
- Serves as Project Manager as needed.
- Occasionally serves as construction manager and performs inspection of capital projects.
- Collaborates with specified SVCW staff for various projects related to impact on plant processes, safety, and other considerations important to staff.
- Collaborates as necessary with stakeholders outside of SVCW such as member agencies, regulators, businesses and governmental agencies.
- Participates, gives input and assists in the development of master contract specifications.
- Ensures the compilation of operations and maintenance records and record drawings from construction projects.
- Meets with CIP Program and Project Managers, Engineering department staff and other SVCW departments providing direction and assisting with background information and solution development.
- Gives input concerning assessment of performance of program and project managers, consultants and contractors. Including but not limited to assessing qualifications according to SVCW generated criteria.
- Provides input related to construction, operation, maintenance and improvement of treatment facilities, processes, and structures.
- Assists in the development of Work Plans for major System Outage Requests (SOR's) and coordinates the activities of the contractors, SVCW Operation & Maintenance, SVCW Laboratory and other involved SVCW Divisions.
- Performs a variety of other duties as assigned.

**MINIMUM QUALIFICATIONS:**

*The requirements listed below are representative of the knowledge, skills and abilities required to satisfactorily perform the essential duties and responsibilities.*

**Knowledge of:**

- Silicon Valley Clean Water policies, procedures, and directives.
- Operation and maintenance of a large trickling filter/activated sludge wastewater treatment facility that also includes, Co-generation of electricity, solids handling/dewatering, recycled water production for beneficial reuse, and a new conveyance system including a 11' diameter gravity tunnel.
- Operation of a wastewater treatment facility that experiences large flows during the wet weather season.

- Federal, State, and Local laws and regulations guiding wastewater plant operations and maintenance.
- Best management practices, effective management strategies.
- Program and project management practices.
- Materials and equipment involved in the operation and repair of wastewater treatment facilities.
- General Design and Construction processes related to wastewater treatment facilities.
- Control Strategies for various plant processes.
- Familiar with SCADA and a computerized Process Control Management Plan (PCMP).
- Modern office methods and procedures.
- Asset Management strategies and processes.
- Office equipment such as computer, printer, fax machine, photocopier.
- Word processing, spreadsheet, scheduling, and other related software applications.

**Ability to:**

- Effectively organize and prioritize workload.
- Communicate effectively verbally and in writing.
- Establish and maintain effective working relationships with consultants, engineering firms, contractors and SVCW staff.
- Manage, plan, organize, coordinate, the activities of a project in collaboration with the project managers, consultants, engineering firms, construction managers, and contractors.
- Write Workplans with SVCW's O&M Divisions on System Outage Requests (SOR's) and complex system shutdowns or bypasses.
- Evaluate treatment processes and mechanical systems, recommending appropriate improvements, changes, and additions.
- Interpret diagrams and drawings.
- Maintain records; prepare reports.
- Make presentations to various stakeholders.
- Work with accuracy and attention to detail.
- Operate PC and related software applications.

**EDUCATION and/or EXPERIENCE:**

*Any combination of education and experience that demonstrates possession of the requisite knowledge, skills and abilities. A typical way to obtain these would be:*

Ten (10) years' experience working in Capital Improvement Programs or Project Management at a Class IV or V WWTP (or comparable industry); of these ten years, six (6) years' experience in SCADA/PLC, electrical upgrade, refinery, industrial or wastewater process upgrade or

expansion projects is desired. Background in the operation and maintenance of a Class IV or V WWTP is highly desired.

**CERTIFICATION and LICENSING:**

California Grade IV or higher Wastewater Operators Certification or equivalent is desirable; alternatively, a California Professional Engineering License in Civil or Mechanical Engineering is desirable.

Valid California Class C Driver's License and an acceptable driving record as defined by SVCW's Driving Eligibility Standards.

**PHYSICAL DEMANDS:**

*The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

While performing the duties of this job, the employee is regularly required to sit. The employee frequently is required to use hands and fingers to handle or feel; reach with hands and arms; and talk and hear. The employee is frequently required to stand and walk. The employee must regularly lift and/or move up to 20 pounds and occasionally lift and/or move up to 50 pounds. The employee is frequently required to walk up and down stairs, to climb up and down ladders, and to enter process tanks via manways, hatches, and other limited means of ingress and egress. Employee will occasionally be required to enter permitted and non-permitted confined spaces. The employee will regularly be walking in and through construction zones. Specific vision abilities required by this job include close vision, and ability to adjust focus.

**WORK ENVIRONMENT:**

*The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

While performing the duties of this job, the employee regularly works in indoor conditions and regularly works near video display. The employee will also be working in the field while construction is occurring and will be occasionally exposed to fumes and odors, works at heights, and works with and around machinery having moving parts. The employee is exposed to outside weather conditions and construction zones. The employee uses personal vehicle and occasionally works evenings or on weekends. The noise level in the work environment is usually minimal with occasional exposure to moderate levels.