



Senior Operator

Silicon Valley Clean Water

\$8,851 - \$11,858 monthly depending on qualifications & experience. (4.0% COLA 07-01-2022)
2% certification incentive pay available; benefited position.

Represented by International Union of Operating Engineers, Stationary, Local 39

SUMMARY

Under general direction of an Operation's Supervisor, acts as shift leader in an assigned area to provide continuous operation of a modern activated sludge wastewater treatment plant and related facilities; provides leadership to Operators on an assigned shift (4-day/10-hour shift) that rotates every four (4) months.

Every employee appointed to a position at SVCW shall serve at the will and pleasure of the appointing authority, SVCW.

THE IDEAL CANDIDATE

- All SVCW employees shall work safely.
- Performs the duties of a Senior Operator.
- Assists in the coordination, scheduling, and review of the operation and routine preventive maintenance of the wastewater treatment equipment and facilities during an assigned shift.
- Operate the treatment plant utilizing Wonderware SCADA.
- Leads operational activities in accordance with established procedures, regulations, and safety requirements; provides direction to Operators and organizes work on an assigned shift.
- Provides operators with ongoing technical and safety training.
- Inspects plant equipment and facilities for proper operation; assists in location and troubleshooting plant malfunctions and initiates work orders in SVCW's Computerized Maintenance Monitoring System (CMMS).
- Reviews daily plant data in HACH WIMS database to ensure compliance with established operating conditions and parameters.
- Regulates process controls in accordance with the SVCW Process Control Management Plan.
- Reads, records, interprets, and acts on information taken from gauges and other instruments.
- Makes complex process operating adjustments.
- Prepares oral and written reports.
- Writes new and revises existing Standard Operating Procedures, Operation and Maintenance Manuals, Contingency Plans, and other procedures.
- Orders chemicals; processes and verifies invoices and billing for utilities, chemicals, supplies, and grease.
- Collects data and keeps records; maintains logs (E-Logger software); prepares reports, performs data entry (HACH WIMS).
- Participates in emergency response.
- Drives motor vehicles on SVCW site and public roadways to reach pump stations.
- Operates forklifts, dump trucks, and other industrial powered vehicles on SVCW site.
- Safely enters and works in confined spaces and assists the SVCW Confined Space Rescue Team.
- Performs "Lock Out Tag Out" on equipment to be repaired.
- First aid responder.
- Performs a variety of other duties as assigned.

Effectively work in a collaborative organization focused on continuous improvement; establish and maintain a positive customer service attitude and effective working relationships with internal and external customers;

demonstration of strong two-way communication skills, including the ability to listen, explain and facilitate; ability to ask for input; offer help without being asked; accept suggestions; work with others to solve problems; and provide recognition and encouragement; ability to address co-workers needs; identifying issues and concerns, exploring solutions and implementing improvements.

MINIMUM QUALIFICATIONS

- High School Diploma or an equivalent certificate or diploma recognized by the State of California.
- Two years' experience as a certified operator in a municipal wastewater treatment plant.
- Current California Grade III SWRCB Wastewater Treatment Plant Operator certificate.
- Valid California Class C Driver's License and an acceptable driving record as defined by SVCW's Driving Eligibility Standards required.
- Ability to obtain certification in CPR and basic first aid.

PHYSICAL TASKS AND ENVIRONMENTAL CONDITIONS

Work involves working in indoor and outdoor conditions. The employee is regularly required to sit and frequently use hands and fingers, to handle, or feel; reach with hands and arms; and talk or hear. The employee is occasionally required to stand and walk. The employee must regularly lift and/or move up to 25 pounds and occasionally lift and/or move up to 70 pounds. Specific vision abilities required by this job include close vision, and ability to adjust focus, however employee accommodations for physical or mental disabilities will be considered on a case-by-case basis

While performing the duties of this job, the employee works near video displays. The employee is exposed to chemicals, fumes, odors, and gasses, works at heights, and works with and around machinery having moving parts. The employee is exposed to outside weather conditions, uses a vehicle and is also assigned to work evenings, nights and/or on weekends, including holidays. The noise level in the work environment is usually moderate to loud. Safety is a priority, while performing all SVCW work tasks.

Pre-Employment Procedures

The selection process may consist of an evaluation of the applicant's qualifications, appraisal board interview, written examination, practical exercise and/or internal Department interviews and reference check. Upon completion of the selection process, an offer of employment may be conditionally based upon the successful completion of an employment and education verification, criminal background check, and a pre-employment medical exam.

How to apply –

- Application & Supplemental Questions can be found on the employment page at www.svcw.org
 - complete an SVCW online employment application and supplemental questionnaire.
A resume and cover letter will not be accepted in lieu of the Authority's application form.
 - a current DMV Driver Report.

Filing Deadline – Friday June 03, 2022, 3:00 PM. We encourage qualified applicants to apply now. Applications received after the deadline will be returned.

Application Screening and Panel Interview - The most qualified applicants for the position will be invited to participate in a panel interview.



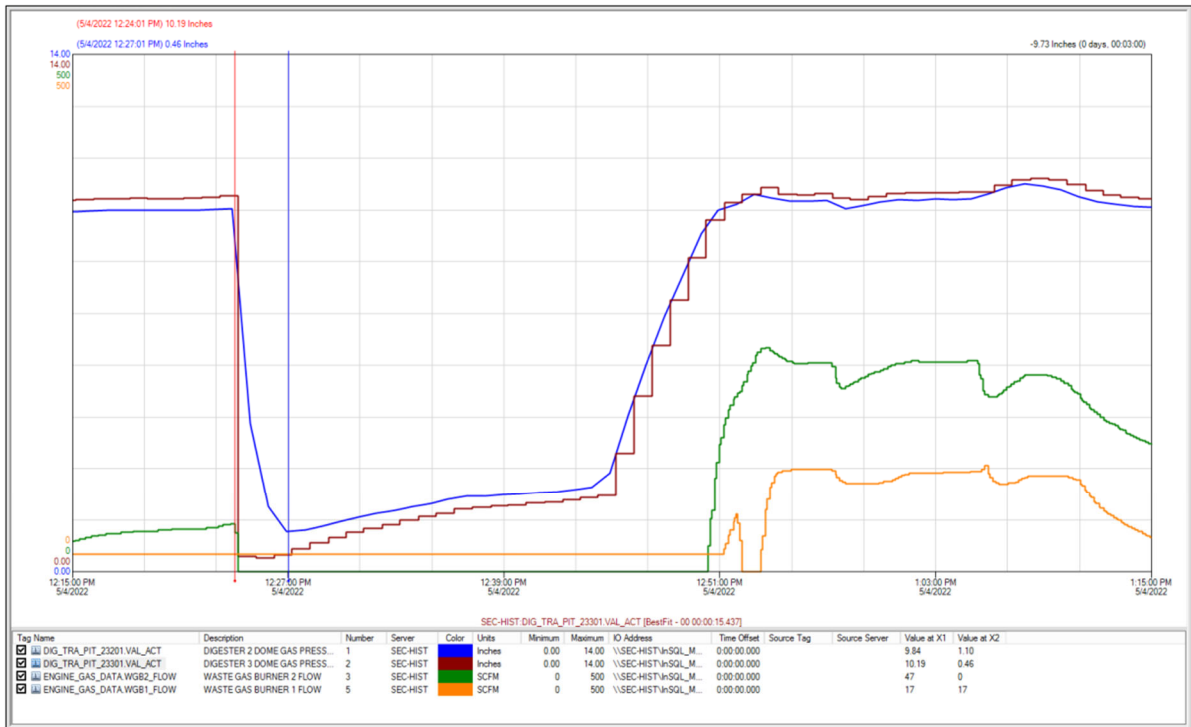
Silicon Valley Clean Water Senior Operator Supplemental Questionnaire

Instructions for Supplemental Questionnaire:

Please type a thorough response to each of the following questions. Specify what you would do as well as the reasons behind your actions.

Questions 1-4:

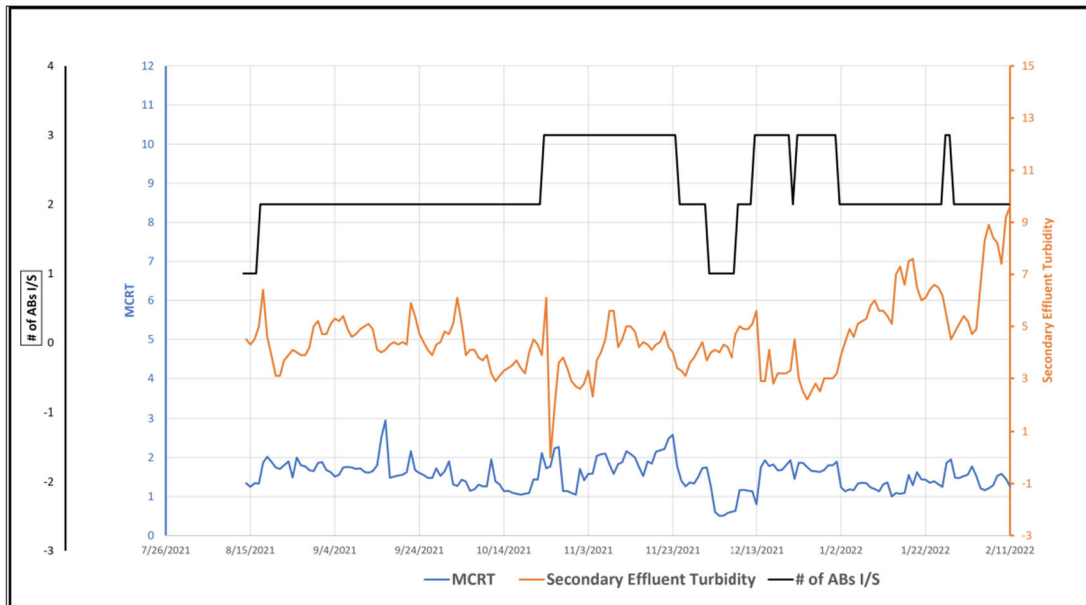
1.



According to your SCADA system trends, you notice that the anaerobic digester gas production (Digester #1 Offline, Blue Trend Digester #2 and Red Trend Digester #3) dramatically dropped beginning at 12:27 and recovered at 12:45. The system currently had 2-Cogeneration Engines in service that shut down due to low gas pressure.

- a) List a potential cause of this dramatic drop in gas pressure and describe what corrective action you would take to remedy this issue.

2.



The process control parameter used for your activated sludge process is the MCRT (Blue Trend). The target for the MCRT is 1.8 days. Even though the MCRT trend seems to be within an acceptable target range, the secondary effluent turbidity (Orange Trend) is trending upward, and the tertiary filter run times are decreasing due to increased solids loading.

- a) Please list additional data that you would need to diagnose the issue with the increasing secondary effluent turbidity.
 - b) Please provide one potential cause of this process issue and what you would do to correct the issue.
3. You are the Sr. Operator on Swing Shift. The Sr. Operator performs the entry duties into the official Plant Logbook. During your shift, you have the following issue with the Gravity Belt Thickener (GBT) #1, used to thicken WAS. At 19:45, you discovered that the thickened sludge pump failed and the GBT #1 thickened sludge hopper overflowed. You stopped the GBT #1 Operation at 19:50 and investigated the thickened sludge pump. You discovered that the thickened sludge pump for #1 GBT has a clogged suction line. At 20:00 you placed GBT #2 in service and proceeded to clean up the mess and write a work order to have the thickened sludge pump #1 suction line cleared.
- a) Please write your log entry that captures this event and what information you would provide in turnover to the Graveyard Shift.
4. SVCW promotes a Strong Safety Culture. Please inform us of your expectations of SVCW as a new employee with regards to a Safe Work Environment.