

CEO BULLETIN



To: Board of Directors
From: Norma J. Camacho, CEO

Week of November 29 – December 5, 2019

Board Executive Limitation Policy EL-7:

The Board Appointed Officers shall inform and support the Board in its work. Further, a BAO shall 1) inform the Board of relevant trends, anticipated adverse media coverage, or material external and internal changes, particularly changes in the assumptions upon which any Board policy has previously been established and 2) report in a timely manner an actual or anticipated noncompliance with any policy of the Board.

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1. 2019 Silicon Valley Advanced Water Purification Center (SVAWPC) Shutdown for Annual Maintenance

Beginning December 2, 2019, the Silicon Valley Advanced Water Purification Center (SVAWPC) will be shut down for two (2) weeks to carry out a number of annual maintenance projects: chemical tank inspections, preventative maintenance activities and biennial electrical testing. In addition, Valley Water's plant maintenance and engineering team will complete a motor replacement for one of the reverse osmosis feed pumps.

This shutdown is planned to occur annually in December when the recycled water demand is low. During this period, South Bay Water Recycling customers might experience different water quality due to a higher level of total dissolved solids.

SVAWPC is scheduled to return to service by the end of the workday on December 13, 2019.

For further information, please contact Bhavani Yerrapotu at (408) 630-2735.

2. City of Milpitas — Contaminant Overflow Prevention Project B3 Grant Closeout

The City of Milpitas received a \$30,745 Safe, Clean Water B3: Pollution Prevention Grant for the Contaminant Overflow and Backflow Prevention Project. The project began on June 30, 2018 and was completed on January 1, 2019. The City purchased and installed thirty (30) SmartCover devices at strategic manhole locations adjacent to water bodies and creeks to prevent contaminants from entering nearby waterways in the event of a sanitary sewer overflow.

The SmartCover technology provides real-time security intrusion detection and continuous monitoring of sewage levels at manholes. This technology has the capability of transmitting alarms to forewarn the City of a potential sanitary sewer overflow, allowing the City to immediately dispatch staff to locations of concern and reduce the likelihood of an overflow. The success of this project will be measured by both the reduction of future sanitary sewer overflows and the reduction of contaminants entering creeks and nearby waterways.

Key Outcomes

1. Proactive prevention and reduction of sanitary sewer overflows.
2. Improved sanitary sewer overflow response time.
3. Increased protection to the health and safety of the public and environment.

For further information, please contact Rick Callender at (408) 630-2017

3. Continuous Improvement: Continued Effort to Minimize Respirable Crystalline Silica Dust Exposure

The California Occupational Safety and Health Administration (Cal/OSHA) has reduced worker's occupational exposures to crystalline silica dust from a permissible exposure limit (PEL) of 250 ug/m³ (micrograms per cubic meter) to the new lower PEL of 50 ug/m³. Crystalline silica is present in a variety of construction materials such as concrete, cement, sand, soil, brick, masonry, block, stone, mortar, paints, and drywall. During maintenance or construction activities, these materials can be disturbed through abrading, drilling, cutting, or chipping which can result in the release of airborne crystalline silica particulates.

To further protect Valley Water staff while working with crystalline silica, Environmental Health & Safety (EH&S) collaborated with Class Four staff to procure commonly used tools that are equipped with High-Efficiency Particulate Air (HEPA)/dust capturing vacuum systems, or water spray systems designed to keep silica dust levels down. Valley Water's local tool distributor provided an on-site demonstration of how to properly set up, utilize, and maintain this new equipment for Valley Water field crews. During the demo, field crews had the opportunity to obtain hands-on experience with the new tools, experience their ease of use, and see how effective these tools are in controlling airborne dust levels. After the hands-on portion of the demonstration was completed, the updated silica standard was reviewed with all of the attendees which reiterated the importance of using the proper equipment, the efficiency of these tools when they are used, and the importance of protecting staff from airborne crystalline silica dust exposure.

For further information, please contact Tina Yoke at (408) 630-2385.

4. Upcoming Rinconada Water Treatment Plant (RWTP) System Outage

The Rinconada Reliability Improvement Project continues to make progress integrating new systems into existing operations. Contractor Balfour Beatty Infrastructure Inc. will shut down two of the RWTP process areas from December 9 through December 13, 2019: the Powdered Activated Carbon and centrifuge systems. This shutdown will allow for necessary electrical tie-in activities and the testing of equipment and facilities that are essential for the startup and commissioning of the project's phase-2 processes.

During this system outage, RWTP will continue to deliver treated water to the west pipeline and no retailer impact is expected.

For further information, please contact Bhavani Yerrapotu at (408) 630-2735.