



WEST VALLEY WATER DISTRICT
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**SPECIAL ENGINEERING, OPERATIONS AND PLANNING
COMMITTEE MEETING
AGENDA**

FRIDAY, MARCH 26, 2021 - 4:30 PM

NOTICE IS HEREBY GIVEN that West Valley Water District has called a meeting of the Engineering, Operations and Planning Committee to meet in the District Headquarters, 855 W. Base Line Road, Rialto, CA 92376.

Teleconference Notice: In an effort to prevent the spread of COVID-19 (Coronavirus), and in accordance with the Governor's Executive Order N-29-20 and the order of the County of San Bernardino dated March 17, 2020, there will be no public location for attending this Committee Meeting in person. Members of the public may listen and provide public comment via telephone by calling the following number and access code: Dial (888)475-4499, Access Code: 840-293-7790 or you may join the meeting using Zoom by clicking this link: <https://us02web.zoom.us/j/8402937790>. Public comment may also be submitted via email to administration@wvwd.org. If you require additional assistance, please contact the Executive Assistant at administration@wvwd.org.

BOARD OF DIRECTORS

Director, Greg Young, Chair
Director, Kyle Crowther

- 1. CONVENE MEETING**
- 2. PUBLIC PARTICIPATION**

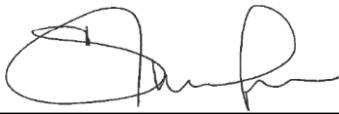
The public may address the Board on matters within its jurisdiction. Speakers are requested to keep their comments to no more than three (3) minutes. However, the Board of Directors is prohibited by State Law to take action on items not included on the printed agenda.

- 3. DISCUSSION ITEMS**
 - a. Updates to Engineering, Operations and Planning Committee
 - b. Consider Requesting County of San Bernardino to Implement Additional Pre-Treatment Practices for Storm/Ground Water

4. ADJOURN

DECLARATION OF POSTING:

I declare under penalty of perjury, that I am employed by the West Valley Water District and posted the foregoing Engineering, Operations and Planning Committee Agenda at the District Offices on March 25, 2021.



Lizett Santoro, Executive Assistant



**BOARD OF DIRECTORS
ENGINEERING, OPERATIONS AND PLANNING COMMITTEE
STAFF REPORT**

DATE: March 26, 2021
TO: Engineering, Operations and Planning Committee
FROM: Shamindra Manbahal, Interim General Manager
SUBJECT: CONSIDER REQUESTING COUNTY OF SAN BERNARDINO TO IMPLEMENT ADDITIONAL TREATMENT PRACTICES FOR STORM/GROUND WATER

BACKGROUND:

West Valley Water District (WVWD) serves high quality drinking water to approximately 94,332 customers in a 29.5 square-mile area including portions of the communities of Bloomington, Colton, Fontana, Rialto, San Bernardino, and Jurupa Valley. To date, WVWD owns and operates eight water treatment plants, six of which are for perchlorate treatment. WVWD's drinking water exceeds all regulatory quality standards.

Perchlorate, the culprit of water contamination discovered in the Rialto-Colton groundwater (RC) basin in 1997, an oxidizer in rocket propellants and fireworks. Shortly after discovering perchlorate in the RC basin in 1998, WVWD shut down several wells to avoid exposure to the drinking water supply. WVWD started to install ion exchange treatment systems in 2005, a Fluidized Bed Bioreactor (FBR) treatment plant in 2011, and a Fixed Bed Reactor treatment plant in 2016.

In 2019, WVWD shutdown one well in the Lytle Creek groundwater basin after discovering Methyl Tertiary Butyl Ether (MTBE), a fuel oxygenate exclusively used as a fuel additive, and two wells in the RC basin after discovering 1,2,3-Trichloropropane (TCP), an impurity in certain pesticides.

No other contaminants have been detected above the Maximum Contaminant Levels (MCL) set by the State Water Resources Control Board. However, WVWD's water sources are considered most vulnerable to fecal coliform and E. Coli bacteria, volatile organic chemicals, synthetic organic chemicals, arsenic, nitrate, and cryptosporidium.

DISCUSSION:

A typical watershed scale stormwater management approach is using a multi-best management practices (BMP) approach to managing the quantity and quality of stormwater runoff. The BMP sequence starts with pollution prevention and progresses through source control, on-site treatment, and regional treatment before the runoff water is discharged to a

receiving water. Each BMP utilizes one or more components that work together to remove pollutants utilizing combinations of processes.

The BMP(s) selected can minimize the rate of runoff by utilizing a hydraulic process, remove bulk solids by utilizing a physical process, remove settleable solids and floatables by utilizing a physical process, remove suspended and colloidal solids by utilizing a physical, biological or chemical process, and remove colloidal, dissolved, volatile, and pathogens by using a biological or chemical process.

OPTIONS:

- 1) Take no action (Do nothing)
- 2) Request County to implement additional Pre-Treatment measures
- 3) Determine if there's nexus to the County.

FISCAL IMPACT:

STAFF RECOMMENDATION:

Staff recommends that this item be submitted for consideration, and that the Board of Directors approve this item and authorize the Acting General Manager to execute the necessary documents.

Respectfully Submitted,

Shamindra Manbahal

Shamindra Manbahal, Interim General Manager

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