

CITY OF LOMITA



WATER DIVISION

Cypress Water Production Facility Monthly Status Report

Permit #1910073PA-002

December 2022

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January 9th, 2023

Mr. Dmitry Ginzburg, P.E.
District Engineer – Hollywood District
State Water Resources Control Board – Division of Drinking Water
500 North Central Avenue, Suite 500
Glendale, CA 91203

Subject: Well Permit Amendment No. 1910073PA-002 - Monthly Report for the Cypress Water Production Facility (CWPF) for the period of December 1st through 31st, 2022.

Dear Mr. Ginzburg,

In accordance with the Department of Public Health Well Permit Amendment No. 1910073PA-002, I am submitting the following report for the Cypress Water Production Facility operations for the month of December 2022.

CWPF was offline for the whole month due to the Benzene contamination of the ground water.

If you should have any questions or concerns, please contact me at 310-325-7110 Ext. 310.

Sincerely,

A handwritten signature in black ink, appearing to be 'Mark Andersen', is written over a large, light-colored scribble.

Mark Andersen
Chief Water Operations Manager

A. BACKGROUND

On May 30, 2018, the City of Lomita received its Domestic Water Supply Permit Amendment from the State Water Resources Control Board, Division of Drinking Water to distribute blended water from the Cypress Water Production Facility (CWPF) Well No. 5 to the City's customers.

The CWPF is an iron-manganese greensand filtration treatment system designed to remove primarily iron, manganese, and color. The CWPF was recently modified to enable aeration and blending with Metropolitan Water District (MWD) imported water to address the aesthetic secondary issues of Total Dissolved Solids (TDS), Hardness (as Calcium Carbonate), and Taste/Odor.

The CWPF came online on April 1, 2013. The first week of operations from April 1 to April 5, 2013 was utilized for conducting routine startup activities. The distribution of blended water to the City's residents began on April 5, 2013.

B. WELL PRODUCTION

There was no production from well #5 for the month of December. See section C below.

Table 1. Monthly Production Totals.

	Production for December 2022		
Well No. 5	0.0	ac-ft	0 (gallons)
MWD	0.0	ac-ft	0 (gallons)
Combined Total	0.0	ac-ft	0 (gallons)
Daily	0.0	ac-ft/day	0 (gallons/day)

C. OPERATIONAL INTERRUPTIONS

On May 9th, 2019 the City received a result for a single annual water quality test sample collected on April 30 that showed benzene detection over the MCL at 3.2 ppb in the water supply at Well No. 5 at the Cypress Water Production Facility (CWPF). Lomita Water operators conducted additional confirmation sampling at Well No. 5 and sampling throughout the City's distribution system to verify the results. Benzene was detected at 3.6 ppb and 3.7 ppb at Well No. 5 (raw water). Blended water (Finished Potable Water) Benzene levels were detected at 1.6 ppb at SP5. The City's only domestic production well, Well No. 5, was immediately taken offline after the City received the laboratory confirmation results on May 15th and has remained offline. The City made this information available for customers at <https://www.lomitawater.com/news/>.