

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD SAN
FRANCISCO BAY REGION

MEETING DATE: November 18, 2020

ITEM: 4

SUBJECT: Executive Officer's Report



Figure 2. Plume map from the 2014 Orders.

Sub-slab soil vapor samples and indoor air samples were collected from beneath the floors of commercial buildings and several homes to determine potential threats to building occupants from vapor intrusion from the CVOCs. Based on the findings, mitigation systems were implemented, including sub-slab depressurization systems beneath the Former P&K Cleaners building and two homes. Regular monitoring is conducted to ensure the systems are operating effectively. A protective floor covering within a commercial building adjacent to the Chevron property was also installed.

The relatively flat and man-modified topography of the Gregory Village area masks an underlying and complex hydrogeologic setting. Coarse buried stream channels in the subsurface act as preferential migration pathways for the dissolved CVOCs. The shallow groundwater impacts (first-encountered water is about 8 feet below the ground surface) from the two release source properties have commingled to form an approximate 1,200-foot long plume (see Figure 2). Groundwater is not a current source of drinking water, and investigations have demonstrated deeper groundwater is minimally impacted with CVOCs.

The Dischargers have cooperated and complied with the tasks outlined in the SCRs. The Discharger associated with the former P&K Cleaners is receiving a grant from the State Water Board's Site Cleanup Subaccount Program (SCAP), which is for high-threat sites with a substantiated inability to pay for cleanup. Upcoming pilot testing includes soil vapor extraction for the vadose zone and in-situ chemical or biological injections for the saturated zone. We anticipate cleanup activities to start during the summer of 2021.

These former dry cleaner release areas are considered higher priority sites due primarily to the vapor intrusion threats to building occupants. Region 2 staff will continue to conduct site inspections during implementation of interim and final remedial actions. We will consider the need to update SCRs to ensure compliance with cleanup plans and mitigation system operation, maintenance, and monitoring based on ongoing data collection.

