

ITEM:

SUBJECT: SPX Corporation, Marley Cooling Tower Company Stockton Facility, In-Situ Groundwater Remediation of Chromium, San Joaquin County

BOARD ACTION: *Consideration of Waste Discharge Requirements*

BACKGROUND: SPX Corporation owns a property at 150 N. Sinclair Avenue in the East Stockton Area (site) that was used as a cooling tower fabrication plant. Wood preservatives containing copper, chromium and arsenic solutions were used at the site. These operational practices left waste constituents in soils and groundwater underlying the site. Site soils contain elevated levels of copper, chromium, and arsenic; groundwater contains elevated concentrations of chromium. Recent groundwater monitoring results showed that the total chromium concentrations are highest near the primary release area at a concentration of 4,900 micrograms per liter.

The proposed full-scale in-situ groundwater treatment remedy involves injecting a solution containing calcium polysulfide and methanol (i.e., amendments) to create ten reactive barriers throughout the groundwater plume from approximately 55 to 85 feet below ground surface (bgs) for shallow impacts and between 55 and 115 feet bgs for deep impacts. Amendments will also be injected along a grid configuration within the northern property using both shallow and deep injection intervals. The full-scale in-situ treatment remedy is expected to take about three years to implement to completion

The in-situ treatment will likely cause short-term increases of TDS and some dissolved metals within the treatment area. If it is determined that these substances are migrating outside of the treatment area, the Discharger would be required to implement contingency measures that could include additional remediation to address impacts from dissolved solids or incomplete chemical treatment of chromium.

ISSUES:

This item is uncontested.

RECOMMENDATION:

Adopt the requirements.

Mgmt. Review \_\_\_\_\_  
Legal Review \_\_\_\_\_

**13/14 September 2007**

Central Valley Regional Water Quality Control Board  
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