

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

STAFF SUMMARY REPORT (Vincent Christian)
MEETING DATE: April 12, 2006

ITEM: 5.C

SUBJECT: **Lombardo Diamond Core Drilling Company, Inc., and Gillmore Supply Company, for the property located at 585 Robert Avenue, Santa Clara, Santa Clara County – Adoption of Final Site Cleanup Requirements**

CHRONOLOGY: August 20, 1997 – Site Cleanup Requirements adopted

DISCUSSION: This former galvanizing facility released highly-acidic zinc-rich solutions to soil and groundwater through accidental spills and/or leaking tanks and associated piping. Lombardo, the current site owner, has attempted to remediate the contamination by in-situ neutralization. This process involved injecting a solution into the contamination's source area to lower acidity and precipitate zinc out of the groundwater. While this method was initially successful in reducing zinc concentrations, pockets of acidity trapped in the soil have caused the zinc to dissolve back into groundwater, such that groundwater under the site still exceeds Environmental Screening Levels.

In light of the limited success of the in-situ neutralization, Lombardo has recently performed a feasibility study to reevaluate various remedial options. It has proposed a new Remedial Action Plan (RAP) that involves site capping, contingency planning, institutional controls, and monitored natural attenuation. While the length of time to achieve groundwater cleanup under the newly proposed RAP is uncertain, Board staff agrees that the RAP will be protective of human health and the environment. The site is currently used for industrial and commercial purposes, and Lombardo does not anticipate significant change to this while implementing the RAP. Lombardo has recorded a deed restriction with the County that prohibits groundwater extraction for any purposes other than remediation.

The Tentative Order (Appendix A) requires that the dischargers implement the newly proposed RAP and develop a contingency plan in the event that the contamination starts to migrate. No comments have been received to the Tentative Order, which also rescinds the existing Order. We expect this item to remain uncontested.

**RECOMMEN-
DATION:** Adoption of the Tentative Order

File No. 43s0158 (vc)

Appendix: A. Tentative Order