

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

STAFF SUMMARY REPORT (David Barr)
MEETING DATE: September 21, 2005

ITEM: 5D

SUBJECT: **INTEL CORPORATION, FOR THE FAB 1 FACILITY LOCATED AT 3601 JULIETTE LANE, SANTA CLARA, SANTA CLARA COUNTY – Rescission of Site Cleanup Requirements**

CHRONOLOGY: June 16, 1999- Final Site Cleanup Requirements adopted (including containment zone).

DISCUSSION: Intel constructed the Fab 1 facility in 1979 and manufactured semiconductors there from 1980 through 1991. Remedial activities began at the site in 1985 in response to a leak from an underground diesel storage tank. During the remedial investigation, volatile organic chemicals (VOCs) as well as diesel were detected in groundwater beneath the site.

In 1985 Intel installed a groundwater extraction and treatment system to remediate site groundwater. By 1997 groundwater extraction was no longer significantly reducing concentrations of contaminants. The site was designated a Containment Zone when the Board adopted final Site Cleanup Requirements in 1999.

In 2004, with Board staff's approval, Intel initiated a program of injecting Hydrogen Release Compound (HRC) into groundwater beneath the site to see if VOC concentrations could be reduced enough to achieve site closure. HRC works by stimulating microbial activity in groundwater, enhancing the bio-degradation of VOCs. The HRC injection has further reduced VOC concentrations in site groundwater. Total VOC concentrations in groundwater monitoring wells have now been reduced to less than 50 ug/l, and the site now qualifies for a low-risk closure.

The Tentative Order (Appendix A) rescinds the existing Site Cleanup Requirements. One letter supporting the Tentative Order was received. This item remains uncontested.

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

File No. 43S0210 (DIB)

Appendix: A. Tentative Order