

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

STAFF SUMMARY REPORT  
Adriana Constantinescu  
MEETING DATE: April 11, 2012

ITEM: **5.D**

SUBJECT: **Fairchild Semiconductor Corporation, Micro Power Systems, Inc., and The Prudential Insurance Company of America, for the property located at 3080 and 3100 Alfred Street, Santa Clara, Santa Clara County - Rescission of Site Cleanup Requirements**

CHRONOLOGY: July 1992 - Site Cleanup Requirements order adopted

DISCUSSION: The Tentative Order rescinds the Site Cleanup Requirements order for this Santa Clara site.

The site is located in the City of Santa Clara in a light industrial and commercial area. Highway 101 is approximately 500 feet to the north and Guadalupe River is approximately 1.3 miles to the west. Historically, Fairchild Semiconductor Corporation and Micro Power Systems, Inc., manufactured, assembled, and tested semiconductors at the site. Solvent releases from these activities impacted soil and groundwater at the site.

The soil and groundwater beneath and downgradient from the site have been assessed extensively. Forty-four monitoring wells were installed to define the extent of the solvent plume. The dischargers have implemented several cleanup technologies at the site, including on-site groundwater extraction and treatment, enhanced in-situ bioremediation, and monitored natural attenuation. The cleanup actions have reduced groundwater concentrations of the key solvent, trichloroethylene (TCE), from 2000 parts per billion (ppb) in 1985 to 300 ppb in the most recent monitoring event. For comparison, the drinking water standard for TCE is 5 ppb. Natural attenuation should reduce groundwater concentrations to below drinking water standards before the shallow groundwater is expected to be used as a source of drinking water. The current groundwater concentrations do not pose a threat to human health or the environment.

The Tentative Order has been circulated for public comments and no comments were received. We expect the Tentative Order to remain uncontested. Board staff intends to close this case once the Tentative Order is adopted and after monitoring wells at the site have been properly destroyed.

RECOMMEN-  
DATION: Adopt the Tentative Order

File No. 43S0152 (AVC)

Appendices: A - Tentative Order  
B - Location Map