

REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. R2-2012-0030

RESCISSION OF SITE CLEANUP REQUIREMENTS (ORDER NO. 92-083) FOR:

FAIRCHILD SEMICONDUCTOR CORPORATION,
MICRO POWER SYSTEMS, INC., AND
THE PRUDENTIAL INSURANCE COMPANY OF AMERICA

3080 and 3100 ALFRED STREET
SANTA CLARA
SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter the Regional Water Board), finds that:

1. **Regional Water Board Orders:** The Regional Water Board adopted site cleanup requirements (SCR) for this site on July 15, 1992, in Order No. 92-083. This order names Micro Power Systems, Inc., Fairchild Semiconductor Corporation, and the Prudential Insurance Company of America, as dischargers.
2. **Summary of Investigation and Remediation Activities:** The site at 3080 and 3100 Alfred Street in Santa Clara is a flat, 2.5-acre lot, located 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, Micro Power Systems, Inc., and Fairchild Semiconductor Corporation manufactured, assembled, and tested semiconductors at the site.

Initial environmental investigations at the site began in 1982 when eight observation wells were installed. The source of the contamination was determined to be two acid neutralization sumps. One sump was located on the western side of 3080 Alfred Street and was removed in 1983. The second sump was located in the northwestern corner of 3100 Alfred Street and was removed in 1996.

In 1985, additional investigations detected trichloroethylene (TCE) at 2,000 parts per billion (ppb) in groundwater. The current maximum concentration of TCE is 300 ppb. The site is adequately characterized. On-site groundwater extraction and treatment was performed between 1988 and 2006 removing 690 pounds of volatile organic compounds (VOCs). In 2009, in-situ bioremediation was implemented. Over 30 injection points were placed close to the most concentrated areas of the groundwater plume. Substrate injection was designed to enhance the effect of bioremediation.

3. **Basis for Rescission:** Rescission of Order 92-083 is appropriate for the following reasons:

- i. Soil sampling conducted at the site near the sumps and along the sanitary sewer lines has shown levels of VOC concentrations below the environmental screening levels.
 - ii. Based on extensive groundwater monitoring history for the last 28 years, the residual plume area of impacted groundwater has decreased by 66 percent since remedial actions were implemented. Two linear regression estimates performed on the data show an estimated average cleanup time to drinking water standards of 18 years.
 - iii. There are no public supply wells at or near the site. Groundwater beneath the site is not currently used nor is anticipated to be used as a source of drinking water in the foreseeable future.
 - iv. Pollutant sources are remediated to the extent feasible. 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.
 - v. Current maximum groundwater concentrations are less than the environmental screening levels for potential vapor intrusion for a residential use scenario.
4. **Next Steps Prior to Case Closure:** A deed restriction (covenant and environmental restriction on property) is needed for this site before the Regional Water Board closes this case. The deed restriction will restrict the use of shallow groundwater. Monitoring wells owned by the dischargers need to be properly closed as required below to eliminate vertical conduits for potential future groundwater contamination, before the Regional Water Board closes this case.
5. **CEQA:** This action rescinds a previously issued order to enforce the laws and regulations administered by the Regional Water Board. All actions mandated by the order have been completed and no further action will occur. Rescission of the order has no potential for causing significant effects to the environment; therefore, it is not a project subject to the California Environmental Quality Act (CEQA). (Cal. Code Regs., § 15061(b)(3).)
6. **Notification:** The Regional Water Board has notified the dischargers and all interested agencies and persons of its intent under California Water Code Section 13304 to rescind site cleanup requirements for the discharge, and has provided them with an opportunity to submit their written comments.
7. **Public Hearing:** The Regional Water Board, at a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code, that Order No. 92-083 is rescinded.

IT IS FURTHER ORDERED that the dischargers shall properly close all monitoring and extraction wells consistent with applicable local agency requirements, and shall document such closure in a technical report to be submitted to the Regional Water Board within 30 days following the completion of closure activities.

I, Bruce H. Wolfe, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on April 11, 2012.

Bruce H. Wolfe
Executive Officer

=====
FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS ORDER MAY
SUBJECT YOU TO ENFORCEMENT ACTION, INCLUDING BUT NOT LIMITED TO:
IMPOSITION OF ADMINISTRATIVE CIVIL LIABILITY UNDER WATER CODE
SECTIONS 13268 OR 13350, OR REFERRAL TO THE ATTORNEY GENERAL FOR
INJUNCTIVE RELIEF OR CIVIL OR CRIMINAL LIABILITY
=====