

Five-Year Review Summary Form		
SITE IDENTIFICATION		
Site Name: Applied Materials Building 1, 3050 Bowers Ave.		
EPA ID: CAD042728840		
Region: 9	State: CA	City/County: Santa Clara/Santa Clara
SITE STATUS		
NPL status: Final		
Remediation Status: Active		
Multiple OUs? No	Construction completion date: 9/27/93	
Has site been put into reuse? No. The site has been continuously occupied by Applied Materials.		
REVIEW STATUS		
Lead agency: California State Water Resources Control Board – San Francisco Bay Region		
Author name: Vincent Christian		
Author title: Engineer	Author affiliation: CA State Water Resources Control Board – San Francisco Bay Region (Lead Agency)	
Review period: September 1999 to September 2004		
Date(s) of site inspection: none		
Type of review: (in bold) <input type="checkbox"/> Post-Sara <input type="checkbox"/> Pre-Sara <input type="checkbox"/> NPL-Removal only <input type="checkbox"/> Non-NPL Remedial Action Site <input checked="" type="checkbox"/> NPL State/Tribe-lead Regional Discretion		
Review number: (in bold) <input type="checkbox"/> 1 (first) <input type="checkbox"/> 2 (second) <input checked="" type="checkbox"/> 3 (third) Other (specify)		
Triggering action: (in bold) <input type="checkbox"/> Actual RA Onsite Construction at OU#___ <input type="checkbox"/> Actual RA Start at OU#___ <input type="checkbox"/> Construction Completion <input checked="" type="checkbox"/> Previous Five-Year Review Report Other (specify)		
Triggering action date: 7/11/2000		
Due date: 7/11/2005		

Five-Year Review Summary Form, continued

Issues:

While VOC concentrations are relatively low, they are not declining any further. It could take a long time to achieve cleanup goals through natural attenuation processes alone. Discharger should consider other more aggressive remedial actions, such as in-situ bioremediation, to cleanup residual VOC concentrations.

A title search was not completed to ensure that the groundwater use deed restriction is recorded and on the chain of title. Therefore, compliance with the deed restriction could not be confirmed.

Recommendations and Follow-up Actions:

Applied Materials should continue to monitor groundwater, and consider other alternative remedies such as in-situ bioremediation. After the other alternative remedies are assessed, the RWQCB should determine if the technology should be incorporated into the groundwater remedy. Applied Materials should develop a proposal and timeline for State and Agency review that outlines how the site will achieve the clean-up goals.

A title search to ensure that deed restrictions are in place and recorded should be performed as a part of the next Five-Year Review.

Protectiveness Statement:

Because the remedial actions are protective, the site is protective of the human health and the environment