SUMMARY

This report presents the results of the Applied Materials Building 1 (the Site) ground water monitoring and remediation program from February 2004 through January 2005. This report also summarizes other activities performed in compliance with the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), Site Cleanup Requirements Order No. 90-134, as amended by Order No. 93-056.

Ground water monitoring tasks at the Site during the February 2004 through January 2005 reporting period included:

- Sampling and analyzing ground water for volatile organic compounds (VOCs) on January 12 and 13, 2005;
- Measuring water levels in Site monitoring and extraction wells on July 8, 2004, and January 11, 2005; and
- Sounding well depths on January 11, 2005.

VOC concentrations in A-zone and A2-zone ground water remained relatively stable during this reporting period as compared to the same period last year. To date, no "trigger" levels have been exceeded, indicating the plume is stable and is progressing toward cleanup standards in an acceptable manner.

In December 2004 and February 2005, the RWQCB approved further reductions in the Self-Monitoring Program (SMP) requirements for the Site based on the very low and generally declining plume concentrations. Currently, monitoring is required in only four A-zone wells (AM1-5E, AM1-6, AM1-7 and AM1-11) and in offsite A2-zone well AV-1B.

VOC concentrations are currently less than two times the Maximum Contaminant Level (MCL) cleanup goals in all Site wells. Because of this, Applied Materials proposed criteria for defining "MCL attainment" in the CERCLA Five-Year Review submitted in September 2004, with the intent of clearly establishing the conditions needed to obtain National Priorities List (NPL) deletion from the United States Environmental Protection Agency (USEPA) and final Site closure from the RWQCB. Applied Materials has not yet received feedback from the agencies on these proposed criteria.