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Philips Semiconductors

June 11, 1997

Mr. Benito Garcia
New Mexico Environment Department
Hazardous & Radioactive Materials Bureau
2044A Galisteo Street
Santa Fe, NM 87505



Certified Mail: Z 729 721 124

SUBJECT: Quarterly Progress Report

Dear Mr. Garcia:

In compliance with Philips Semiconductors' HSWA permit (NMD000709782-1), modified March 18, 1996, this letter serves as the quarterly progress report as required. The following progress has been made between March 14, 1997, and June 10, 1997.

- *D.1(a) - A description of the work completed and an estimate of the percentage of work completed:* Quarterly groundwater monitoring was completed on April 14 and 15 for this period. The City of Albuquerque collected split samples at this time.
- *D.1(b) - Summaries of all findings, including summaries of laboratory data:* A quarterly groundwater monitoring report (DBSA; May 29, 1997) is included with this report for your files. This groundwater report includes analytical results for Appendix IX constituents for Philips' monitoring wells MW-1, MW-2, MW-3, and MW-4 as well as for the City of Albuquerque's monitoring wells NCLF-2, NCLF-3, and NCLF-4 (also designated as ABQ-2, ABQ-3, and ABQ-4). The constituents found in the groundwater for this effort were barium, chromium, selenium, zinc, tetrachloroethene (PCE), toluene, carbon tetrachloride and chloroform. PCE and chromium exceeded the lowest applicable federal or state drinking water standard.

Phenol was not found in this sampling event (it was only found in the previous sampling event and solely in the new City of Albuquerque wells) further confirming our suspicion that it was a well installation contaminant, pump contaminant, or field sampling contaminant. Toluene was still present in the City wells but at lower concentrations.

It is believed that the carbon tetrachloride and chloroform are laboratory contaminants as they were not discovered in the City's split samples. We have included the City's analytical report for your files.

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Finally, the presence of chromium may be laboratory error (chromium has not been found in these wells in previous samples) or may be due to the stainless steel pump casings located in our wells. A study performed at the Williams Air Force Base in Mesa, Arizona, indicated that type 304 stainless steel well materials were the source of chromium. (Oakley, D. and N. Korte. 1996. Nickel and Chromium in Ground Water Samples as Influenced by Well Construction and Sampling Methods. *Ground Water Monitoring Review*, Winter 1996: 93-99.) The pump casings will be replaced to test this theory if chromium continues to be a problem.

- *D.1(c) - Summaries of all problems or potential problems encountered during the reporting period and actions taken to rectify problems:* No problems experienced during this reporting period.
- *D.1(d) - Projected work for the next reporting period:* Quarterly groundwater monitoring will continue and groundwater samples will be obtained from wells MW-1, MW-2, MW-3, MW-4, NCLF-2, NCLF-3, and NCLF-4 in July 1997. NMED will be reviewing the draft RFI Workplan. Philips will address all NMED comments on the draft RFI Workplan when comments are received.
- *D.1(e) - Summaries of contacts pertaining to corrective action or environmental matters with representatives of the local community, public interest groups or State government during the reporting period:*

City of Albuquerque: Doug Earp, City of Albuquerque, was contacted in March to discuss installation of their upgradient well northwest of the Coronado Landfill. The well cannot be installed until San Mateo road is completed in this area in order to avoid any impact to this construction.

New Mexico Environment Department: Susan Hoines, NMED/HRMB, was contacted in May to discuss the status of the RFI Workplan review by NMED. No progress has been made.

City of Albuquerque: Terry Nelson, City of Albuquerque, contacted Philips for information on the Coronado Landfill for a thesis he is writing regarding the locations of all old City Landfills. He provided new information on the location of the old Nazareth Landfill that is located Northwest of the Philips property. This landfill actually covers the entire distance from the Balloon Fiesta Park to the west edge of the Sumitomo property (it was previously believed to end at approximately the east edge of the Balloon Fiesta Park). The City had installed a "down-gradient" well at the east edge of the Balloon Fiesta Park and had not detected any PCE. Since this is really the middle of the landfill, the results from this well cannot be used to conclusively prove that the contamination found on the Philips site is not from the Nazareth Landfill.

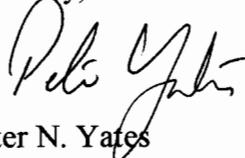
City of Albuquerque: Doug Earp, City of Albuquerque, was contacted in June to discuss the groundwater analytical results as well as the Nazareth Landfill location. He indicated that no chloroform or carbon tetrachloride was found in the City's split samples and agreed to send Philips the report. He agreed that the Nazareth Landfill extends further east than originally thought and is going to investigate the possibility of installing a well at the southeast corner of the Nazareth Landfill. Also, they are having problems obtaining permission from the Public Works Department to install the well at the northwest corner of the Coronado Landfill. This is planned to be the upgradient well for our study.

- *D.1(f) - Changes in key project personnel during the reporting period: None.*
- *D.1(g) - Summaries of all changes made in implementation during the reporting period: No changes made.*

If you have any questions regarding this submission, please call our technical contact, Melanie McKinley at (505) 858-2781 or Joe Mauser at (505) 822-7634.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Peter N. Yates
Plant Manager

(ENV712)

Enclosures

cc:

w/ enclosures:

USEPA Region VI
Baird Swanson, NMED/GWP
Doug Earp, City of Albuquerque
James Casey, Philips Legal Counsel

w/o enclosures:

Jim Cochran, Philips EHS Manager
Susan Hoines, NMED
Environmental Department File