

PSC 96

ENTERED

M E M O R A N D U M

TO: Benito J. Garcia, Bureau Chief
Hazardous and Radioactive Materials Bureau

THROUGH: Barbara Hoditschek, Manager
RCRA Permitting Program

FROM: Stephanie Kruse, Environmental Specialist *SK*

SUBJECT: Philips Semiconductors: HWSA Permit Modification

DATE: January 22, 1996

EPA has been working on a modification to the HWSA permit for Philips Semiconductors. A Public Comment period has been held and Nancy Morlock is ready to proceed with the Statement of Basis. The modification is necessary because the abandoned Coronado Municipal Landfill, partially located on Philips' property, is a SWMA. We have been informed by EPA that this modification is to be issued by the State.

Attached for your information are two FAXes from Nancy. The 1/18/96 FAX (24 pages) contains Philips' comments and the EPA responses, and three letters from Philips. The 1/22/96 FAX (7 pages) contains the modifications proposed by EPA. The only changes made as a result of Philips' comments were changes in the time schedule.

Also attached are two sketch maps showing the location of the Coronado Landfill, which has two noncontiguous areas.

Timing: The Public Comment period ended in July 1995. We need to approve the modification before April 1, 1996, the permit expiration date.

Additional information: Philips has been doing groundwater monitoring for a number of years. TCE has been consistently detected at the site. The City of Albuquerque has recently started or will soon start groundwater monitoring at all of its old northeast landfills, including the Coronado Landfill.

Nancy feels that Philips will appeal the modification when it is issued, for several reasons (see 1/18/96 FAX).

Nancy refers to Baird Swanson, GWPRB, District 1, Albuquerque, as the "lead for the State", and believes that he has been receiving the quarterly well data from Philips.

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Recommendations. A briefing by Baird (if indeed he is familiar with the situation) to identify well locations and review monitoring data would be helpful. If a meeting is held with Baird, Nancy requests a conference call toward the end of the meeting, since she also is unfamiliar with the monitoring results.

Baird may also be familiar with the City of Albuquerque's monitoring activity and results, as well as its intentions, in the area. If not, discussion with the City is recommended.

Attachments

xc: Ron Kern, Technical Compliance
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**PHILIPS SEMICONDUCTORS, INC.
Proposed Permit Modification**

KEY DATES

Notification letter from Mr. William Honker, EPA to Mr. James Cochran, Philips, was dated April 24, 1995. This letter notified Philips of EPA's intent to modify its permit.

Public Notice appeared on May 28, 1995 in the Las Cruces Sun Newspaper and the Albuquerque Journal. A public service announcement was also made on the KRST, KOLT and KRZY radio stations.

On May 18, 1995, a copy of the proposed permit modification, public notice, and fact sheet were sent to Mr. Russ Gladstone, Technical Vocational Institute Library (Albuquerque).

On May 26, 1995, a copy of the proposed permit modification, public notice, and fact sheet were sent to Barbara Hoditschek, NMED.

"NMED" means the New Mexico Environment Department.

"Permit" means the conditions embodied in these special conditions pursuant to the 1984 Hazardous and Solid Waste Amendments to RCRA.

"Permittee" means Philips Semiconductors (formerly Signetics Company), 9201 Pan American Freeway, N.E., Albuquerque, New Mexico 87113, EPA I.D. Number NMD000709782.

"RCRA" means the Resource Conservation and Recovery Act of 1980 as amended by HSWA in 1984.

"RCRA Permit" means the full permit, with RCRA and HSWA portions.

"RFA" means RCRA Facility Assessment.

"RFI" means RCRA Facility Investigation.

"Release" means any spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, dumping, or disposing of hazardous wastes (including hazardous constituents) into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous wastes or hazardous constituents).

"Solid Waste Management Unit" (SWMU) means any discernible unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at a facility at which solid wastes have been routinely and systematically released.

If, subsequent to the issuance of this Permit, regulations are promulgated which redefine any of the above terms, the Administrative Authority may, at its discretion, apply the new definition to this Permit.

C. SPECIAL CONDITIONS

Within sixty (60) days of the effective date of this Permit modification, the Permittee shall submit an RFI Workplan in accordance with Section F and Section N of this Permit. In addition to the RFI Workplan requirement, the Permittee shall complete the following items:

C.1 Quarterly Sampling of Existing Ground Water Monitoring Wells

(a) Within thirty (30) days of the effective date of this permit modification, the Permittee shall sample ground

water monitoring wells MW-1, MW-2, MW-3, and MW-4. These wells shall be sampled for Appendix VIII constituents, as codified in 40 CFR Part 261. The sampling and analysis program for these wells shall follow/be equivalent to the requirements of the RCRA Ground-Water Technical Enforcement Guidance Document, dated September 1986. All sampling results shall be reported to the Administrative Authorities as specified in Section B.5.

- (b) All existing ground water monitoring wells shall be analyzed on a quarterly basis. Target compounds may be proposed only after adequate data exists to verify that indicator compounds are reliable surrogates for all contaminants of concern. All quarterly sampling results shall be reported to the Administrative Authorities as specified in Section B.5.

C.2 Installation of Additional Ground Water Monitoring Wells

The RFI Workplan, described further in Section F and Section N, shall include information on the proposed design, number, and placement of additional ground water monitoring wells. Wells used to detect DNAPLs (dense non-aqueous phase liquids) shall be screened at the bottom of the aquifer of concern. Well screen length should not exceed 15 feet. Longer screens may be used only with adequate justification from the facility and approval from the Administrative Authorities. See the March, 1991 "Handbook of Suggested Practices for the Design and Installation of Ground Water Monitoring Wells" (EPA/600/4-89/034) for specific information on monitoring well design and installation.

C.3 Identification of Water Supply Wells and Submittal of Area Map(s)

- (a) Within sixty (60) days of the effective date of this permit modification, the Permittee shall locate all water supply wells within a one mile radius of the facility.
- (b) Within sixty (60) calendar days of the effective date of this permit modification, the Permittee shall submit information characterizing/describing the slope of the water table or potentiometric surface underlying their facility. The characterization/description shall be based upon current ground water level information, as collected by the Permittee.
- (c) Map(s) depicting the information required under Section C.3 (a) and (b) shall be consistent with the requirements set forth in 40 CFR 270.14. This information shall be submitted to the Administrative Authorities specified in Section B.5.

Table 1: RFI/CMS SUBMISSION SUMMARY

Below is a summary of the planned reporting requirements pursuant to this Permit:

<u>Actions</u>	<u>Due Date</u> (examples)
Progress reports on all activities	Quarterly; no later than ninety (90) calendar days after effective date of this Permit modification
RFI Workplan	Sixty (60) calendar days after the effective date of the Permit modification
Revised RFI Workplan	As determined by Administrative Authority, usually within thirty (30) calendar days of receipt of notice of deficiency
RFI Report and Summary	Sixty (60) calendar days after completion of RFI
Revised RFI Report and Summary	As determined by Administrative Authority, usually within thirty (30) calendar days of receipt of notice of deficiency
Notification of newly-identified SWMUs	Thirty (30) calendar days after discovery
Notification of newly-discovered releases	Fifteen (15) calendar days after discovery
Interim Measures Plan	As determined by Administrative Authority
Revised Interim Measure Plan	As determined by Administrative Authority
CMS Plan	Forty-five (45) calendar days after notification of requirement to perform CMS

Revised CMS Plan	As determined by Administrative Authority, usually within thirty (30) calendar days of receipt of notice of deficiency
CMS Final Report and Summary	Sixty (60) calendar days after completion of CMS
Revised CMS Final Report	As determined by Administrative Authority, usually thirty (30) calendar days after receipt of notice of deficiency
Demonstration of Financial Assurance at Facility	One hundred and twenty (120) calendar days after permit modification to implement corrective measures.

Table 2: SWMUs REQUIRING AN RFI

Below is a list of the SWMU(s) requiring an RFI.

<u>SWMU #</u>	<u>SWMU Name</u>
8	Coronado Municipal Landfill