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NEW MEXICO ENVIRONMENTAL DEPARTMENT
Hazardous and Radioactive Materials Bureau

MEMORANDUM

DATE: April 4, 1996
TO: Ron Kern, Manager, RCRA Technical Compliance Program *etc*
Barbara Hoditschek, Manager, RCRA Permits Program
FROM: Dale E. Conover, RCRA Technical Compliance Program *etc*
Stephanie Kruse, RCRA Permits Program *SK*

RE: Summary Comments on Philips Semiconductors Kickoff Meeting

We met with the following Philips Semiconductors personnel on Thursday, 04 April 1996: James Cochran, Environmental Health and Safety Manager and Melanie McKinley, Environmental Engineer. Also present were the City of Albuquerque Environmental Health Department representatives: Douglas Earp, Hydrogeologist and Curt Montman, Division Manager. A copy of the meeting agenda prepared by NMED is attached along with Doug Earp's "Possible discussion topics".

After introductions, we presented why Philips was being required to initiate an RFI Workplan (the detected levels of 1,1,2,2-Tetrachloroethane and Tetrachloroethane in three of Philips' four onsite monitoring wells). Briefly discussed was whether the City of Albuquerque should co-author the Workplan. NMED stated that Philips was responsible for the Workplan, but that they could request that work done by the City of Albuquerque under its Coronado Landfill Project - e.g., Albuquerque's planned additional soil gas vapor and groundwater monitoring wells - be used to fulfill Philips' requirements where applicable. Melanie stated that they would probably propose the entire 40 CFR Part 264 Appendix IX Groundwater Monitoring List of analytes only for the initial sampling go-round of all old and newly installed monitor wells. This solved the issue of the 1,1,2,2-Tetrachloroethane, which was not listed as a contaminant by Melanie in an earlier correspondence to Dale.

Melanie stated that Philips is moving ahead with immediate sampling of existing wells. Bids are being reviewed for a contractor for the RFI. It was agreed that Philips and the City will meet after Philips has selected a contractor and the City has had a chance to review the Philips HSWA permit to discuss coordination of the Philips and City investigations of the landfill.

Dale brought up the long screen lengths of 30 ft. in the four Philips monitoring wells, and the 40 ft. lengths as proposed by Doug Earp for the City of Albuquerque wells yet to be installed. Doug defended these longer screen lengths as being necessary due to the dropping groundwater levels in the area (roughly 1-1.5 foot per year at the old Los Angeles Landfill) and the fact that the City of Albuquerque would propose to use a very low rate sampling pump (1-3 gallons/minute pumping rate). Doug was familiar with the EPA's November 1992, RCRA Ground-Water Monitoring: Draft Technical Guidance Document. This document recommends 10 ft. screen lengths for most conditions and only 20 ft. screens where groundwater levels are fluctuating (Section 5 of the document). I will contact other individuals in the NMED on this issue, namely Baird Swanson with Groundwater, and Bill Stone with the AIP.

7. The next issue brought up by Doug with Jim and Melanie was their reports which showed groundwater flow to be to the northeast across the site, or opposite of the regional groundwater flow direction reported by the USGS, and at other old landfill sites located to the east, of southeast to south. James agreed that a resurvey of their well casing elevations was probably warranted. He did mention two pumping wells located to the east of the site: the Webster Well at the small airport on the other side of I-25, and the Coronado Well, location not identified. Whether these two pumping wells, or others not yet identified, are the cause of the opposite groundwater flow direction remains to be proven. The City and Philips will jointly resurvey GW levels in existing wells. In any case, all wells within one mile of the Philip's site will be reported in the RFI Workplan.

Doug Earp summarized what the City of Albuquerque had done (one "background" well: NCLF-1 completed and sampled, located to the west of the site approximately one mile with no results above action levels). A second well: NCLF-2, was started north of the site, but after a few feet it drilled up trash from the northern excavation of the Coronado Landfill. The well was never completed and was abandoned by the driller because the drilling contract was for drilling in areas with clean conditions. This well would be completed at approximately the same location, by casing off the portion through the old landfill. The other two wells were currently proposed for the southeast and southwest corners of the Philip's property, but were located assuming the groundwater flow was in their direction. A soil gas hand-auger borehole was drilled by Doug's staff this winter at each of the two proposed

What screen lengths & GW monitoring at LA Landfill

southern monitor well locations and VOC readings were taken at each borehole. Results did not indicate the presence of methane gas, an indicator that they may overlie the Coronado Landfill's southern excavation.

At this point Melanie and Jim added that Philips had excavated a six foot deep trench for utilities from the south side of the building. Before they started, the EPA asked them to monitor for trash. Approximately two feet of trash was uncovered along the middle ten feet of trench and nowhere else.

ACTION LIST

DALE:

- 1) Check on screen length issue with other "experts" in NMED and AIP.
- 2) Check analytical levels for groundwater over time (Melanie said I was sent this in a summary table, but I can't locate it and will plot it up myself).
- 3) Doug Earp will send me details on the low-flow pumps and their suitability in wells sampled for VOCs and with long screen lengths.
- 4) Melanie McKinley will send me their four monitor well and pump type details. Should be in their Groundwater Report.

STEPHANIE:

- 1) Send the City of Albuquerque's Doug Earp a copy of the TRC Report. ?
- 2) Send the City of Albuquerque's Doug Earp a copy of the Philips Permit.