

New Mexico Health and Environment Department

GARY

DENN.
Secret.

MICHAEL J. BUR.
Deputy Secretary

RICHARD MITZELFEL.
Director

September 13, 1990

Gary M. Mavrakis
Chemical Support Manager
Signetics Company
P.O. Box 10272
Albuquerque, N.M. 87184

Dear Mr. Mavrakis:

In response to Signetic's letter dated July 16, 1990, the New Mexico Environmental Improvement Division (EID) has re-evaluated Signetic's request to remove and replace the Buffered Oxide Etch Waste Tank #4 and the Hydrofluoric Acid Waste Tank #5. EID has taken into consideration its past policy regarding tank replacement and the problems that will occur by delaying the project and has decided to allow the removal and replacement of the two hazardous waste tanks without requiring a permit modification this time. In the future, tank replacement or removal will require a minor permit modification.

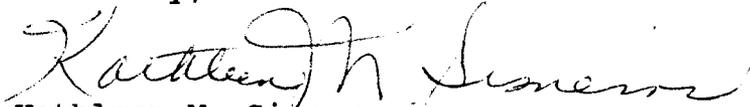
Signetics will still be required to provide the information as outlined in the New Mexico Hazardous Waste Regulations (HWMR-5, as amended 1989), 40 CFR section 270.16. Specifically, Signetics must provide a written assessment of the tank replacement design, which has been reviewed and certified by an independent, qualified registered professional engineer. The assessment should address the structural integrity and suitability of the tanks for handling the specified wastes, the dimensions and capacity of each tank, and the relationship of changes to the existing piping, instrumentation, and process flow. Also include a narrative of the installation and leak testing of the tank system and the required certifications.

Also, information regarding the disposal of the wastes generated during the replacement of the waste storage tanks will be required. This would include documentation on the disposal of any sludge, rinse water, and cut-up tank pieces. Documentation should include any analyses, quantities, and disposal locations.

Mr. Gary M. Mavrakis
September 13, 1990
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If you have any questions about the information requirements,
please feel free to contact Mr. David Englert at (505) 827-0142.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kathleen M. Sisneros".

Kathleen M. Sisneros
Bureau Chief
Hazardous and Radioactive Waste Bureau

AG:DE



Attachment 2

Scope of Work - Signetics

1. Revise Health and Safety Plan
2. Mobilize to Signetics Plant from Denver
3. Measure liquid levels in tanks
4. Assist in removing tanks from vaults
5. Cut entry ways into tanks
6. Neutralize and stabilize contents of tanks
7. Remove contents after stabilized then place stabilized materials into 55-gallon drums for disposal profiling
8. Triple rinse tanks
9. Cut up tanks for disposal
10. Dispose of rinsed tanks of Rio Rancho landfill
11. Profile transport and dispose of stabilized material from tanks

*Scope of work does not include renting a crane to remove tanks

The following are pH values for total wastewater discharge recorded during the tank removal. The results were taken from the Quarter 4 Wastewater Discharge Report for the City of Albuquerque Industrial Pretreatment section. Our discharge permit (#2023A-3) requires Signetics to monitor the pH of the final discharge continuously, which is defined as once every two hours.

Date: 12/18/90

2am	
4am	
6am	
8am	6.0
10am	6.4
12am	6.0
2pm	6.0
4pm	8.4
6pm	8.6
8pm	
10pm	
12pm	

Date: 12/19/90

2am	
4am	
6am	6.4
8am	6.4
10am	6.4
12am	6.68
2pm	6.94
4pm	7.28
6pm	7.01
8pm	
10pm	
12pm	

Date: 12/20/90

2am	
4am	
6am	
8am	7.58
10am	8.39
12am	7.46
2pm	
4pm	
6pm	
8pm	
10pm	
12pm	