



# Minnesota Pollution Control Agency

520 Lafayette Road, Saint Paul, Minnesota 55155-3898

Telephone (612) 296-6300

January 17, 1992

Mr. Denny Lorenz  
Sinclair Oil  
3401 Fairbanks Avenue  
P.O. Box 6247  
Kansas City, Kansas 66106

Dear Mr. Lorenz:

RE: Corrective Action Design Approval  
Site: Sinclair Station, 7733 Portland Avenue South, Richfield  
Site ID#: LEAK00002572

The Minnesota Pollution Control Agency (MPCA) has reviewed the "Remedial Investigation Report" dated April 5, 1991, for the above-referenced site. Based on the information in this report it appears the investigation has adequately defined the magnitude and extent of soil contamination associated with the former tank basin. Significant levels of contaminated soil still exist in a thin layer immediately beneath the former tank basin at a depth of 16 feet. The petroleum release has impacted the water table aquifer below the Minnesota Department of Health Recommended Allowable Limits (RALs) for 1,2-dichloroethane in MW-3 located cross-gradient of the former tank basin and pump islands. The petroleum contamination remaining in the soil is unlikely to significantly impact the ground water table at a considerable depth of 36 feet.

Ground water monitoring is required to assess the effectiveness of natural biodegradation and to determine whether migration of contaminated ground water is occurring at the site.

The MPCA hereby approves the no-corrective action plan proposed by EnecoTech with the following comments and modifications that present our response to the conclusions and recommendations contained in the reports, and outline the performance objectives and technical recommendations for the additional work.

1. Ground water monitoring is required to establish a contaminant concentration trend. Follow-up ground water monitoring should be conducted in accordance with the new MPCA guidance document entitled "Leaking Underground Storage Tank Program Ground Water Monitoring" dated May 1991. The monitoring wells should be sampled a minimum of three more quarters. The ground water samples should be analyzed for benzene, ethylbenzene, toluene, xylenes, 1,2-dichloroethane, and total hydrocarbons as gasoline and fuel oil. Monitoring should also include water level measurements in the monitoring wells.

Mr. Denny Lorenz

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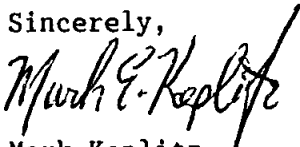
2. A report summarizing and documenting the results of the ground water monitoring program should be submitted to the MPCA as a progress report. The report should follow the format described in the MPCA guidance document "Petroleum Tank Release Reports" dated May 1991. The ground water monitoring program and need for corrective action will be reevaluated based on the results of this report.
3. If ground water contaminants exceed the RALs for drinking water contaminants in any of the monitoring wells, please notify MPCA hydrogeologist Larry Quandt (612/297-8602)

If subsequently obtained information indicates that the approved corrective actions are inappropriate or inadequate, the MPCA may require additional work or modifications in the approved work.

This approval qualifies you under Minn. Stat. § 115C.09, subd. 2(a)(3) (1991) to be eligible for Petrofund reimbursement of eligible cleanup costs. Applications for reimbursement must be made directly to the Petrofund. The Petro Board makes the final decision on reimbursement. Reimbursement decisions are based on factors such as the adequacy of cleanup, reasonableness of cost, compliance with notification laws, and cooperativeness with the MPCA.

If you have questions regarding the investigation at this site, please contact me at 612/297-8611.

Sincerely,



Mark Koplitz  
Pollution Control Specialist  
Tanks and Spills Section  
Hazardous Waste Division

MK:np

cc: James Berg, EnecoTech Midwest, Inc., Bloomington