



Minnesota Pollution Control Agency

August 13, 1997

Mr. Jack Curtis
Curtis Oil Company
4997 Miller Trunk Highway
Duluth, Minnesota 55811

RE: Request For Additional Information
Site: Junction Food-n-Fuel, 5497 Miller Trunk Highway, Hermantown
Site ID#: LEAK00003534

Dear Mr. Curtis:

The Minnesota Pollution Control Agency (MPCA) Tanks and Emergency Response Section staff has reviewed the report titled *Remedial Investigation Report Addendum* dated April 16, 1997. Based upon the information provided in the report, it has been determined that additional information relating to the proposed corrective action design (CAD) is necessary prior to MPCA CAD approval. Specifically, the following information should be provided for MPCA staff review:

1. Estimates of the contaminant mass in the saturated and unsaturated zones.
2. The calculated stoichiometric oxygen demand for biodegradation of the contaminated area.
3. The amount of ORC® necessary to facilitate biodegradation of the contaminants.
4. The number of ORC® applications necessary to facilitate biodegradation of the contaminants.
5. The proposed method of ORC® delivery to the subsurface. Pressure injection of ORC® slurry via direct push methods provides a larger subsurface contact area than simply backfilling boreholes with ORC®.
6. The proposed locations and spacing of the ORC® delivery points.
7. The estimated cost and duration of the ORC® remediation project compared to other oxygen delivery methods.
8. The location, depth, and construction details for the new water supply well

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The MPCA staff request that the requested information be submitted for MPCA staff review within 60 days of the date of this letter. Failure to meet this deadline in a timely manner may result in reductions in Petrofund reimbursement or lead to MPCA enforcement actions.

If you have any questions regarding this letter, please contact me at 218/723-4897 or staff hydrogeologist Mike Bares at 612/297-8599. If you are calling long distance, you may reach the MPCA by calling 1-800-657-3864.

Sincerely,



Steven J. Leppälä
Regional Specialist

cc: Mark Darby, Twin Ports Testing, Inc.