



# 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

Duluth Government Center, Suite 704, 320 West Second St., Duluth, Minnesota 55802, (218) 723-4660, FAX (218) 723-4727

Central Office St Paul Regional Offices Duluth • Brainerd • Detroit Lakes • Marshall • Rochester

Telephone Device for the Deaf (TDD) (800) 627-3529

Equal Opportunity Employer • Printed on recycled paper containing at least 10% fibers from paper recycled by consumers

Mr. Curtis  
Page 2  
August 13, 1997

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.