Minnesota Pollution Control Agency

August 30, 1996

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

RE: Installation of New Drinking Water Well
      Site: Junction Food-N-Fuel, 5493 Miller Trunk Highway, Hermantown
      Site ID#: LEAK00003534

Dear Mr. Curtis:

Mr. Mark Darby, Twin Ports Testing, (TPT) your present consultant for the above referenced site, requested a letter from Minnesota Pollution Control Agency (MPCA) staff regarding replacement of the existing petroleum impacted drinking water well at this site. After meeting you and Mr. Darby on site on August 29, 1996, to discuss placement of a new well, Mike Bares, staff hydrogeologist, and I discussed the site with Mark Mullmuger, Minnesota Department of Health (MDH). Based on areas of known contamination and site constraint problems with placing a new well, the following recommendations are offered to minimize the new well from being impacted:

1. The new well should be installed with a minimum of 30 feet of casing into the
    bedrock and a minimum of 50 feet of total casing.

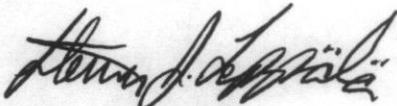It should be understood that a sustainable yield and a clean water source cannot be guaranteed.

Although MPCA staff has not yet approved a Corrective Action Design (CAD) for the site reference above, we concur that replacement of the existing contaminated well should be part of a CAD and, therefore, should be an item eligible for partial reimbursement from the Petrofund.

In a letter dated June 18, 1993, MPCA staff rejected the original CAD for this site. We understand that TPT is now involved with this site and we hope that a revised CAD will be submitted soon.

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If you have questions regarding the investigation of ground water at this site, please contact MPCA staff hydrogeologist Mike Bares at 612/297-8599. If you have any other questions, please call me at 218/723-4897.

Sincerely,

Steven J. Leppälä
Regional Specialist

cc: Mark Darby, Twin Ports Testing, Inc.
        Mark Mullmuger, Minnesota Department of Health