



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
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Southeast Region Annex
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June 8, 1999

Mark Gottlieb, Director of Public Works
Village of Grafton
1300 Hickory Street
P.O. Box 125
Grafton, WI 53024

Dear Mr. Gottlieb:

Subject: Lime Kiln Park Landfill, Site Investigation and Preliminary Remedial Action
Identification report, file reference FID #246036780 ERR-ERP

I have reviewed your report submitted by your consultant, Earth Tech, Inc., formerly RUST Environment and Infrastructure, Inc. I approve your plan to monitor groundwater to determine if natural attenuation is an appropriate remedy for the site subject to the following:

- Determine if the current landfill cap is adequate and if it complies with the closure requirements of s. NR 500, Wis. Adm. Code.
- Install a minimum of two additional bedrock wells on the downgradient side of the east plume to fully determine the extent of contamination. An adequate monitoring well network is needed before the department will approve natural attenuation as a final remedial option. These wells should be deep enough to account for possible downward migration of the contaminant plume, and to show that contaminant concentrations are decreasing with depth or clean at depth. The wells should be nested, or set-up for discreet sampling at various depths to determine if downward contaminant migration is occurring.
- Private well PW1749 within the contaminant plume should also be set-up for multi-depth discreet sampling for the purpose of monitoring possible downward migration of contaminants.
- Additional monitoring wells could be required until the extent and degree of contamination is determined.
- If results of additional investigation or sampling show that the contaminant plume is not stable or decreasing, natural attenuation will not be an acceptable remedial option, and a more aggressive remedy will be required.
- Once the site has been fully characterized, groundwater monitoring to determine the feasibility of using natural attenuation as a remedy should be done on a quarterly basis for at least two years.

If you have any questions about this letter, call me at 414-229-0850.

Sincerely,


John Feeney, Hydrogeologist

Cc: Earth Tech, Inc., Paul Malloy, Charles Sweeney