



file

Minnesota Pollution Control Agency

April 6, 1994

Mr. Vern Frank
Mr. Wallace Frank
Route 3, Box 113
Mapleton, Minnesota 56065

Mr. Gary Bielke
Wells Concrete Products
Highway 109 East
Wells, Minnesota 56097

RECEIVED

APR 26 1994

MPCA, HAZARDOUS
WASTE DIVISION

RE: Land Treatment of Petroleum Contaminated Soil/Soil Corrective Action Plan Approval
Land Treatment Site: Vern & Wallace Frank property, consisting of approximately 0.15
acres in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 3, T105N, R26W, City of Mapleton, Blue
Earth County
Leaksite: Wells Concrete Products, Hwy. 109 E., Wells
Site ID#: **LEAK00006378**

Dear Messrs. Frank and Mr. Bielke:

The application, received on February 23, 1994, to land treat approximately 80 cubic yards of petroleum contaminated soil from the above-referenced leaksite at the above-referenced land treatment site is hereby approved by the Minnesota Pollution Control Agency (MPCA).

This approval is based upon the MPCA staff's understanding that the appropriate county and local officials have been notified of the proposed land treatment of this soil and is subject to the conditions indicated below. The portions of Minn. Rules ch. 7037 referenced in this letter are summarized in the MPCA Fact Sheet #34, "*Land Treatment of Petroleum Contaminated Soil: Land Treatment Sites*," (April 1993). Minn. Rules ch. 7037 indicates that the land treatment site owner and operator are to be responsible for the requirements listed below. However, the generator of the soil is not relieved from responsibility under Minn. Stat. § 115.061 to ensure the proper treatment of petroleum contaminated soil.

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1. If soil is to be stored prior to spreading, the conditions and limitations indicated in Minn. Rules pt. 7037.0810 must be followed for soil storage.
2. Soil must be spread to a thickness of no more than four inches and must be incorporated into the top four to six inches of native soil in accordance with Minn. Rules pt. 7037.2300. All other land treatment procedures and limitations described in Minn. Rules pts. 7037.1700 to 7037.2500 must be followed.
3. The MPCA form, "*Notification of Spreading Petroleum Contaminated Soil at a Land Treatment Site (FORM C)*," must be submitted to the MPCA within ten days following spreading (Minn. Rules pt. 7037.2600).
4. The land treated soil must be sampled, and reports must be submitted in accordance with Minn. Rules pt. 7037.2700 until analyses indicate ten parts per million total petroleum hydrocarbons, or lower. The MPCA form entitled, "*Soil Monitoring Results for Land Treated, Petroleum Contaminated Soil (FORM D)*," must be used for reporting.
5. The MPCA's approval of this application does not release you from any duty to comply with county or local ordinances.

We believe these actions will provide treatment of the excavated, petroleum contaminated soil. The MPCA reserves the right to require additional work, if this is determined to be necessary to protect public health and the environment. This letter does not release any person from liability for this contamination. In addition, this letter does not address the adequacy of cleanup or investigative work completed, or yet to be completed, at the leaksite.

This approval provides eligibility under Minn. Stat. § 115C.09, subd. 2(a)(1) (1992) for Petrofund reimbursement of eligible cleanup costs associated with this leaksite that have been incurred up to the date of this letter. Applications for reimbursement must be made directly to the Petro Board by responsible persons and eligible volunteers. 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. Please be aware that additional costs incurred by spreading soil at depths less than those indicated in MPCA's approval letters have generally not been reimbursed by the Petro Board.

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Please note that this approval applies only to the process of land treatment of the petroleum contaminated soil. This approval should not be construed to constitute a finding that the volume of contaminated soil excavated at the above-referenced leaksite was appropriate.

Please contact me at 507/285-7343, if you have any questions.

Sincerely,



David H. Morrison
Pollution Control Specialist

DHM/ml

cc: Elmer Brocker - Mapleton City Administrator
Herbert C. Wenkel - Blue Earth County Sanitarian
Loras Haws - B & H Petroleum Equipment Co.

RECEIVED

16378 MEK APR 26 1994

LAND APPLICATION CHECKLIST FORM B MPCA, HAZARDOUS WASTE DIVISION (Batch Approval)

LOCAL GOVT. OFFICIALS

Application Complete.

Form A Completed/Approved. Verm & Wallace Frank

1380 remaining BOAPPLIC

< 1,500 Cu. Yds. per site.

(previously approved land treatment information supplied)

Cumulative total for this and other sites within 1/4 mile; []

Plan for spreading between April 1 and November 1.

(approval good through Nov. 1 of following year)

Correct Number of Stockpile samples taken; 1 @ 10-50 Cu. Yds.

(Grab Samples)

- 80 2 @ 51-500 Cu. Yds.
3 @ 501-1,000 Cu. Yds.
4 @ 1,001-2,000 Cu. Yds.

Correct parameters sampled for;

(Diesel, Leaded gas, Used Oil, etc.)

[Classified as hazardous waste ? see attachment if needed]

If lead is sampled for, can the soils be land

< 300 ppm Pb total concentration,

(if no, then sample native soil and calculate Avg. Concentration)

Organic Matter % (from Form A). [2%]

Note: If this is for a "grandfathered/pre-rules" pre-approved site,

then: - assume 2% O.M. for calculations, or

- obtain an SCS estimate from interpretation records, or

- request the applicants to sample the site.

Minimum Thickness of Treatment Zone (from form A); [3 feet]

Maximum Allowable levels of Gasoline contamination:

Min. Org. Permeability Min. Thickness of Treatment Zone (feet)

Table with 4 columns: Matter %, Permeability (inch./hr.), Min. Thickness (feet), and Avg. TPH/GRO. Rows include 2% and 4% matter levels with permeability < 0.6 and 0.6 to 6.0.

Maximum Allowable levels of Fuel Oil and Crude Oil contamination:

Min. Org. Permeability Min. Thickness of Treatment Zone (feet)

Table with 4 columns: Matter %, Permeability (inch./hr.), Min. Thickness (feet), and Avg. TPH/DRO. Rows include 2% and 4% matter levels with permeability < 0.6 and 0.6 to 6.0.

Max. Calculated spreading thickness []

Enough Acreage Available; 4" @ 540 Cu. Yds./Acre

3" @ 405 Cu. Yds./Acre

2" @ 270 Cu. Yds./Acre

1" @ 135 Cu. Yds./Acre

80 / 540 = .148 acres

2,000

Handwritten checkmarks and initials.

DRO

Handwritten checkmark.

VOR

NA

Handwritten checkmark.

Handwritten checkmark.

Handwritten checkmark.

1380

Phos. I could not find any info on phosphorus for this sight.

✓ ~~None~~ needed

Fertilizer need assessment:

- Nitrogen: (Max; 200 lbs./Acre Cropped, 100 lbs./Acre not cropped)
(Min; if calculation < 25 lbs./Acre then none needed)
- Phosphorus: (Max; 120 lbs./Acre cropped, 60 lbs./Acre not cropped)
(Min; if calculations < 10 lbs./Acre then none needed)

- MPCA Site Inspection (if Needed),
- Site Borders and Batches marked with stakes/flags. [Yes/No]
- > 2 ft. separation between batches. [Yes/No]

✓

Stockpile Management:

- 30 days from date of stockpiling to submit Form B.
(if Form B denied, 30 days to remove stockpile from L.T.site/Plot)
- Storage Areas:
 - Adequate run-off control (ie: cover)
- Plots:
 - Adequate run-off control (ie: cover or silt dam or straw bales)
 - 10 day storage limit with no run-off controls.

CALCULATIONS:

COMMENTS:

~~If site inspection OK all is OK with exception of unknown Nitrogen and Phosphorus level 3/21/94 O.K.~~

Note: Treatment Plan Organized ?

- Incorporation within 48 hrs. (upper 4 to 6 inches, clod breakup),
- Separation of debris (>4" rocks and solid waste),
- Cropping (no root or direct human consumption crops),
- Monthly discing (don't overtill dry soil),
- Sampling schedule (< 10 ppm TPH or non-detect).

LOUISIANA
Phos call
3/4/94

NO LOCAL OFFICIALS NOTIFICATION?
NO BETX ANALYSIS

"SAMPLING THAT SHOULD BE FIRST APPLICATION"

Will
FAX
CHEMISTRY TO YOU.
BETX received