

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL

Form 4400-120

7/29/93

FID 230004500  
ERR/ERP  
KENOSHA CO.

This form is required by the Department of Natural Resources for leaking underground storage tank sites (Wis. Adm. Code NR 419). Failure to complete and submit this form may lead to violations of subchapters III and IV of ch. 144 Wis. Stats. and may result in forfeitures of not less than \$10 or more than \$25,000 for each violation, pursuant to ss. 144.426, 144.469, 144.74 (1), and 144.99, Wis. Stats., or fines of not less than \$100 or more than \$150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74 (2), Wis. Stats. Each day of a continuing violation constitutes a separate violation. Department approval of this form is required prior to site remediation, except for soils to be buried in landfills.

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name

CHRYSLER CORPORATION - KENOSHA MAIN PLANT

Site I.D. # (for DNR use only)

Site Address

5555 30TH AVENUE

Contact Name

JACK BUGNO

City, State, Zip Code

KENOSHA, WISCONSIN 53144

1/4, 1/4, Section, Township, and Range

SW, SE, 36, 2, 22E

The information on this form is accurate to the best of my knowledge.

NOTE: Waste disposed of in landfills may incur future liability.

Signature

*Jack P Bugno*

Telephone Number (include area code)

414/658-6000

Consulting Firm

TRIAD ENGINEERING INC.,

Contact

RICHARD J. BINDER

Telephone Number

414/291-8840

Estimated Volume Contaminated Soil

N/A

Soil Type (USCS)

- sand (SP, SW)
- silty/clayey sands (SM, SC)
- silt (ML, MH, OL)
- clay (CI, CH, OH)
- gravel (GC, GM, GP, GW)
- peat (PT)

Tons/cubic yards (circle one)

Type of Petroleum Contamination (Circle):

Gasoline \* Diesel Fuel/#2 Fuel Oil

\* Other Chlorinated hydrocarbons \*

Contaminant concentration:

One screened sample per 15 yds<sup>3</sup> and one laboratory analysis per 300 yds<sup>3</sup> of contaminated soil when the PID registers contamination OR one laboratory analysis per 100 yds<sup>3</sup> when the PID does not register contamination on soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE SHOWING THE RESULTS OF BOTH FIELD SCREENING AND ANALYSES, IN ADDITION TO PROVIDING THE FOLLOWING INFORMATION.

Total Benzene in soil to be remediated (attach calculations) \_\_\_\_\_ lbs

Total Petroleum Hydrocarbons in soil to be remediated (attach calculations) \_\_\_\_\_ lbs

Total TPH as \_\_\_\_\_

Distance to Nearest Residence/Business 100 \*

ATTACH EMISSIONS CALCULATIONS

$(a/1,000,000) \times (2,800 \text{ lbs/yd}^3) \times b = \text{benzene emission in lbs., where}$

a = benzene concentration of soil sample in ppm or mg/kg dry weight basis

b = amount of contaminated soil in yds<sup>3</sup>

NOTE: This calculation can also be used to estimate TPH emissions by substituting TPH concentration (ppm or mg/kg) for "a." It may also be used to calculate VOCs.

3.91:1.2P

\* per cover letter (REV 7/29/93)

COMPLETE ONLY THOSE SECTIONS OF PART II THAT PERTAIN TO YOUR SITE

Part II: Proposed method of treatment

1. SOIL VENTING/VACUUM EXTRACTION

Note: This option may require an air pollution control permit. An activated carbon unit or similar treatment system to strip VOCs from the blower discharge will be required if emissions exceed limits established by Air Management. System design and monitoring information must be included.

Contact responsible for system maintenance JACK BUGNO

Telephone Number (include area code) 414/658-6000 Anticipated start date SEPTEMBER 1, 1993

Total VOC discharge rate from Pilot testing or calculations .085 lbs/hr at 266 scfm

Benzene Discharge Rate from Pilot testing or calculations .021 lbs/hr at 266 scfm Project Total

2. ANY METHOD OF REMEDIATION NOT LISTED IN PART II (NOTE: For thermal treatment, use Form 4400-121.)

Attach narrative and drawing(s) to describe the remediation method to be used. A final report is required. At a minimum, the information submitted should include the following applicable items:

- a. proposed treatment method
b. location/size of remediation site
c. distance to nearest residence/business
d. field sampling methods
e. protective covering and curbing techniques
f. volume estimate and soil thickness needing remediation
g. method of turning/mixing soil
h. highest estimated hourly/daily VOC emissions
i. highest estimated daily/total benzene emissions
k. anticipated startup and completion dates
l. proposed verification method of contaminant content
m. project contact person
n. final destination of soil

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence:

Air Management Ronald E. Villalobos Date 7/29/93

Project Manager Date

Comments:

3. DISPOSAL OF CONTAMINATED SOILS AT A SANITARY LANDFILL-NR 500

NOTE: Landfill data must be within Solid Waste guidelines and must be submitted within 30 days of disposal. PLEASE COMPLETE PART III BELOW AFTER LANDFILLING IS COMPLETED.

THIS SECTION TO BE COMPLETED BY DISPOSAL FACILITY ACCEPTING CONTAMINATED SOIL

Part III

Transporter Name

Transporter License Number

Name of landfill

License No.

Actual Volume of soil landfilled Indicate yds3 or tons

cover soil buried

Date received at landfill

Accumulated Benzene emissions to date

Signature of facility representative

Jack P. Bugno

DIRECTIONS: 1) Complete part I. 2) Select the treatment option in part II. Pretreatment approval is required for any treatment other than landfilling. Submit this form to the DNR project manager for approval. 3) If your treatment option is landfilling, complete part III before submitting the ORIGINAL form to the project manager.