

Soils <= disposed

This form is required to be submitted by subchapters III and IV of ch. 144, Wis. Stats. Failure to complete and submit this form may lead to violations of these statutes and 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.

Sections I, II & IV must be filled out completely. Also, complete other sections that apply.

Return completed forms to: L.U.S.T. Specialist at the appropriate District or Area Office. - *Chip Krohn SE District*

I. SOURCE OF SOIL

Facility Name <i>Redi Quick Dry Cleaners</i>	Site ID# (For DNR use only)
Site Address <i>9510 W. Greenfield Ave.</i>	Contact Name <i>Kris Buettner</i>
City, State, Zip Code <i>West Allis, WI</i>	Telephone Number (Include Area Code) <i>(414) 876-3218</i>
Section, Township and Range <i>Milwaukee Co. S32 T7N, R21E</i>	Facility Owner/Operator Signature <i>Kristine A Buettner</i>

II. CONTAMINATION DETAILS

Volume Soil (Cubic yards) <i>approx. 600 yd³</i>	Certified DNR Lab Number <i>405043870</i>
Type of Petroleum Contamination (Circle one) <input checked="" type="radio"/> Gasoline 2 Diesel Fuel 3 #2 Fuel Oil	Lab Name <i>Robert E. Lee & Assoc.</i>
4 Other	Sampling Method (Brief description of method used to obtain representative sample of soil) <i>Split Spoon Samples taken from two soil borings one in the west excavation area and one in the east excavation area</i>
Contaminant Concentration (Two representative composite samples for every 300 cubic yards of soil, in ppm.) Attach Laboratory Analyses	Total Benzene In Soil To Be Remediated (Attach calculations) <i>0.09 lb.</i>
Sample No. West B-6 East B-7	Total Amount of Petroleum Hydrocarbons In Soil to Be Remediated (Attach calculations) <i>1.18 lb.</i>
Benzene <i>0.056</i> <i><0.015</i>	Percent Soil Less Than 200 Mesh or 74 Microns <i>50% + 75%</i>
Toluene <i><0.020</i> <i><0.020</i>	Soil Classification Type (Sand, silt, clay, etc.) <i>sand back fill/native clay fill</i>
Ethylbenzene <i><0.015</i> <i>0.050</i>	Anticipated Time Frame for Remediation
Total Xylenes <i>0.062</i> <i>0.106</i>	Start Date <i>Oct. 90</i> End Date <i>Oct 90</i>
Total Petroleum Hydrocarbons as Gasoline <i>0.70</i> <i>0.80</i>	Method of Pulverizing Silt or Clay Soils
Total Petroleum Hydrocarbons as Fuel Oil	

PROPOSED METHOD OF SOIL TREATMENT

1. Asphalt Plant/Other Type of Thermal Evaporation Unit Name	WDNR Air Quality Permit Number	WPDES Permit Number
Address	s. 144.04 Plan Approval Number or Equivalent	
City, State, Zip Code	(Sealed ponds according to NR 213)	
(If portable, where will plant be located)	Distance to Nearest Residence/Business	
Plant Number and Model	Burner Temperature During Soil Treatment	Soil Residence Time in Burner During Treatment
DNR Facility Identification Number	Anticipated Date Treatment Will be Completed	
Contact Name	(If stockpiled before being treated, all petroleum contaminated soil must be underlain and overlain by an impermeable membrane.)	
Title	Final Disposition of Treated Soil (How used, specific location)	
Telephone Number (Include area code)		
Site Telephone Number (Include area code)		

Section 1 continued.

If soils will not be incorporated into asphalt, post burn soil testing is required. Soils will need to be sampled for the same parameters listed in Item II. Two composite soil samples are to be taken every 300 cubic yards of soil.

Highest Emission of VOC's Intended to Occur _____ hourly* _____ daily*

Highest Emission of Benzene Intended to Occur _____ daily* _____ total*

* Attach Calculations

Volatilization of Contaminants In Soil (Passive Evaporation)

Type of Impervious Surface _____

Curbing or Berms (Existing or proposed construction) _____

Thickness of Soil Undergoing Remediation (As placed) _____

Techniques to Cover During Inclement Weather _____

Method of Turning or Mixing Soil _____

Method of Field Sampling _____

Proposed Verification Method of Contaminant Content (Lab sampling) _____

Location and Size of Remediation Site _____

Distance to Nearest Residence/Business _____

Highest Emission of VOC's Intended to Occur _____ hourly* _____ daily*

Highest Emission of Benzene Intended to Occur _____ daily* _____ total*

* Attach Calculations

Disposal of Contaminated Soils at a Sanitary Landfill-NR 500

Name Racine Land Reclamation Company

License No. 00572

Location 1989 Oakes Rd - Racine WI

IV. OWNER/OPERATOR OR CONSULTANT SUBMITTING REQUEST

Company Name Miller Engineers

Address 5308 S. 12th St.

City, State, Zip Code Sheboygan WI 53081

Section 3 Continued

Contact Name Bill Reed

DNR Area Investigator Contacted Name Chip Krohn

Date Dec 1989

Volume to Be Disposed Of 600 Cubic Yards

Amount Total VOCs* TPH 1.18 lb

Amount Benzene* 0.09 lb

* Attach Calculations

Attach Map Showing Location of Approved Landfill

Soil Venting/Vacuum Extraction

Responsible Party _____

Consultant Responsible for System _____

Size and Rating (In cfm) of Blower _____

Distance to Nearest Residence/Business _____

VOC Discharge Rate From Pilot Testing _____ lbs/day at _____ CFM

Benzene Discharge Rate From Pilot Testing _____ lbs/day at _____ CFM

Note: This option may need an air pollution control permit. Any exceedance of an emission limit will require the installation of an activated carbon unit or similar treatment system to strip VOCs from the blower discharge.

5. Other Method of Soil Remediation

Please Describe the Method to Be Used

Contaminated soil will be excavated and hauled to the landfill (see #3) for disposal.

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

APPLICATION

Concurrence

Air Management _____

Solid Waste

Contact Name

not required For Landfilled soil

Charles R.

Date _____

Date _____

Date _____

Comments: _____

SUBJECT Benzene /TPH calculations JOB NO. 10712E2 PAGE _____
CLIENT Kris Buettner DATE 10/1/90 BY KG
PROJECT Remedial Action - Redi Quick Cleaners CHECKED _____ BY _____

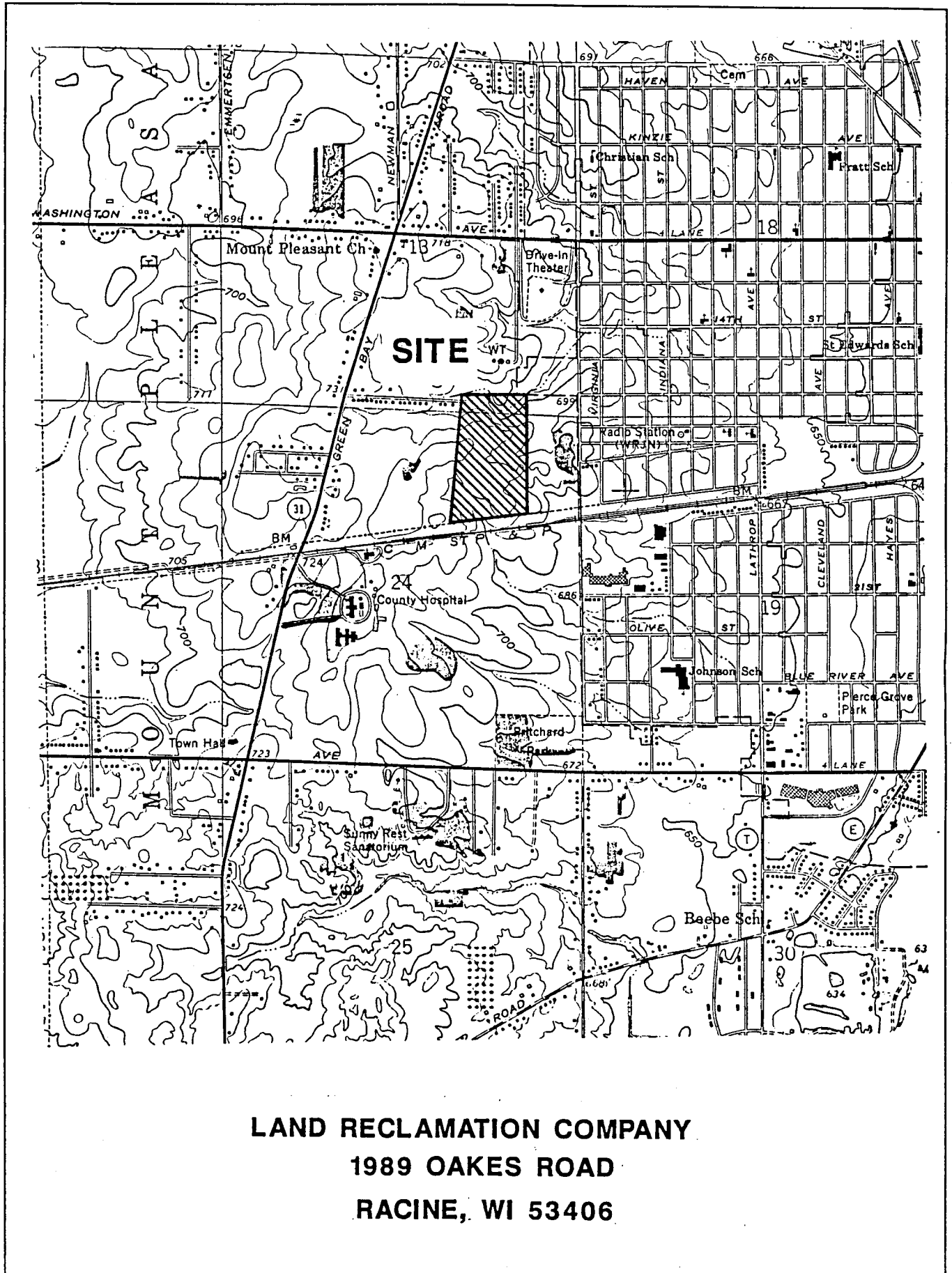
① Total Benzene

$$\frac{0.056 \text{ ppm}}{1 \times 10^6} \times \frac{2000 \text{ lb}}{\text{ton}} \times 600 \text{ yd}^3 \times \frac{1.4 \text{ tons}}{\text{yd}^3} = 0.09 \text{ lbs.}$$

② Total TPH

$$\frac{0.75 \text{ ppm}}{1 \times 10^6} \times \frac{2000 \text{ lb}}{\text{ton}} \times 600 \text{ yd}^3 \times \frac{1.4 \text{ tons}}{\text{yd}^3} = 1.176 \text{ lb.}$$

RACINE, WISCONSIN



LAND RECLAMATION COMPANY

1989 OAKES ROAD

RACINE, WI 53406



ROBERT E. LEE & ASSOCIATES, INC.
LABORATORY SERVICES
2825 S. WEBSTER AVE., P.O. BOX 2100
GREEN BAY, WI 54306
TELEPHONE NO.: (414) 336-6338
WISCONSIN CERTIFICATION NO: 405043870

JOB NUMBER====> 1000082

PATCH=====> 1

STCNER=====> Miller Engineers
5308 S. 12th St.
Sheboygan, WI. 53081
(414) 458-6164

CONTACT=====> Rick Wentz

PROJECT=====> 10712E2

RECEIVED=====> 08/23/90

SAMPLED=====> 08/20/90

LOCATION=====> 10712E2/Redi Quick Clean.

COMMENTS:

TPH is analyzed by the California Method.

ATTEST:

JOB NUMBER====> 1000082

BATCH=====> 1

SAMPLE #	ALIAS	RESULT	DATE COMP	BY
FLASHPOINT				
1	West B-6	>75 °C	09/12/90	SZ
2	East B-7	60 °C	09/12/90	SZ
pH				
	West B-6	7.99 S.U.	09/12/90	MU
	East B-7	9.25 S.U.	09/12/90	MU
TOTAL SOLIDS				
1	West B-6	86.9 %	09/12/90	EW
2	East B-7	87.5 %	09/12/90	EW
TPH-GAS				
1	West B-6	0.70 mg/kg	09/12/90	SH
2	East B-7	0.80 mg/kg	09/12/90	SH
BENZENE				
1	West B-6	0.056 mg/kg	09/12/90	SH
2	East B-7	<0.015 mg/kg	09/12/90	SH
TOLUENE				
1	West B-6	<0.020 mg/kg	09/12/90	SH
2	East B-7	<0.020 mg/kg	09/12/90	SH
ETHYLBENZENE				
1	West B-6	<0.015 mg/kg	09/12/90	SH
2	East B-7	0.050 mg/kg	09/12/90	SH
XYLENES				
1	West B-6	0.062 mg/kg	09/12/90	SH
2	East B-7	0.106 mg/kg	09/12/90	SH
FREE LIQUIDS				
1	West B-6	0 %	09/12/90	MU
2	East B-7	0 %	09/12/90	MU

JOB NUMBER====> 1000082

BATCH=====> 2

<u>SAMPLE #</u>	<u>ALIAS</u>	<u>RESULT</u>	<u>DATE COMP</u>	<u>BY</u>
TCLP				
1 ...	West B-6	...	Below	... 09/12/90 ... CN
2 ...	East B-7	...	Below	... 09/12/90 ... CN
LEAD				
1 ...	West B-613 mg/l	... 09/12/90 ... AW
2 ...	East B-720 mg/l	... 09/12/90 ... AW

ROBERT E. LEE & ASSOCIATES, INC.
 LABORATORY SERVICES
 P.O. Box 2100, 2825 S. Webster Ave.
 Green Bay, WI 54306-2100
 Phone: (414) 336-6338 Fax: (414) 336-9141

CHAIN OF CUSTODY RECORD

<input type="checkbox"/>	Special Handling Request
<input type="checkbox"/>	Rush Analysis Date Required
<input checked="" type="checkbox"/>	Normal Turn Around

Client Number:		Client Name: <i>Miller Engineers</i>				Preservation H = Hydrochloric Acid N = Nitric Acid S = Sulfuric Acid O = Sodium Hydroxide NA = None	Analysis Required	Comments
Project Number: <i>10713E2</i>		Sampled By: <i>Rick Wentz</i>						
Project Name: <i>Redi Quick Cleaners - West Allis</i>								
Sample ID	Date	Time	Bottle Total	Sample Type				
<i>West Excavation (B-6)</i>	<i>8-20-90</i>		<i>2</i>	<i>SOIL</i>	<i>N/A</i>	<i>Waste Characterization - Protocol "D"</i>		
<i>East Excavation (B-7)</i>	<i>8-20-90</i>		<i>2</i>	<i>SOIL</i>	<i>N/A</i>	<i>"</i>	<i>"</i>	

	Relinquished By	Date	Time	Received By	Date	Time
1)	<i>Rick D. Wentz</i>	<i>8-21-90</i>	<i>4:00pm</i>	<i>U.P.S.</i>	<i>8-21-90</i>	<i>4:00pm</i>
2)						
3)						
4)						

Temperature of Contents: _____ °C

Condition of Seals: _____

Condition of Contents: _____

Received in Laboratory By: _____

Please complete shaded areas and return top two copies with samples.