02-03-000135

UID: 135

SITE NAME: Kleenan Vacuum (Barron)

ACTIONS SUMMARY

02 = RP Letter Sent
?? = NTC of Non Compliance*
= Enf. Conference*
14 = Notice of Violation*
18 = Admin. Order Issued*
19 = Admin. Order Modified
20 = Admin. Order Cancelled
21 = Contest Case Hearing*
23 = Referral to DOJ*
30 = Notice to Proceed*
31 = Tnk Cls/SA Work Plan
32 = Tnk Cls/SA WP Appv'd
33 = Tnk Cls/SA Rept Recv'd
34 = Tnk Cls/SA Rpt Appv'd
35 = SI Work Plan Recv'd
36 = SI Work Plan Appv'd*
37 = SI Report Recv'd*
38 = SI Report Appv'd
39 = RA Work Plan Recv'd
40 = RA Work Plan Appv'd*
41 = RA Report Recv'd*
42 = RA Report Appv'd
43 = Qrtly/Mthly Status Rpt*
44 = Form 4 Received
45 = Form 4 Approved
46 = Form 4 Denied
47 = PECFA Reimbursement
48 = Free Product Recovery*
49 = Alternate Water Supplied*

60 = 120 Soil App Rec'd
61 = 120 Soil App Approved
62 = 120 Soil App Denied
63 = 149 Soil App Rec'd
64 = 149 Soil App Approved
65 = 149 Soil App Denied
66 = Request Status Update
67 = Request Misc Info
68 = WPDES Approved
69 = Close Out
70 =
71 =
72 =
73 =
74 =
75 =
76 = through 99 = (blank)

ACTION UPDATES:

Action Code	Date Received/Sent	Compliance Due Date	Compliance Achieved	Date Entered in Tracking
02	9/2/94 (R/S)	10/1/94	6/1/95	10/10/96
02	9/2/94 (R/S)	11/1/94	/ /	10/10/96
66	4/25/95 (R/S)	5/29/95	6/1/95	/ /
39 - 207	6/1/95 (R/S)	/ /	/ /	/ /
40	6/20/95 (R/S)	/ /	/ /	/ /
66	11/15/95 (R/S)	12/5/95	11/29/95	/ /
63	11/3/95 (R/S)	/ /	/ /	/ /
64	11/27/95 (R/S)	/ /	/ /	/ /
66	4/9/96 (R/S)	5/17/96	4/18/96	/ /
66	8/30/96 (R/S)	9/30/96	9/20/96	/ /
41 - 208	9/20/96 (R/S)	/ /	/ /	10/16/96
41 - 208	2/6/96 (R/S)	/ /	/ /	10/16/96
	/ / (R/S)	/ /	/ /	/ /
69 217	10/3/96 (R/S)	Closed.	/ /	10/16/96

NWD TRACKING UPDATE FORM

SITE NAME: Kleenair Vacuum

NEW NAME: _____

LEGAL DESCRIPTION: ____ 1/4 ___ 1/4 SECT. _____ TOWN _____ N RANGE _____ E/W

RESPONSIBLE PARTY:

Company Name: _____
Contact Person: _____
Address: _____
_____
Phone Number: ____/____-_____

cc's: _____ _____
_____ _____
_____ _____
_____ _____

CONSULTANT:

Company Name: _____
Contact Name: _____
Address: _____
_____
Phone Number: ____/____-_____

SUBSTANCES:

	# Tank(s)	Size
___(1) Leaded Gas	_____	_____
___(2) Unleaded Gas	_____	_____
___(3) Diesel	_____	_____
___(4) Fuel Oil	_____	_____
___(5) Unkwn Hydrocrbn	_____	_____
___(8) Other: _____		
___(12) Waste Oil	_____	_____

IMPACTS:

___(1) Fire/Explosion Threat
___(2) Contaminated Private Well(s) #____
___(3) Contaminated Public Well
___(4) Groundwater Contamination
___(5) Soil Contamination
___(6) Other: _____
___(7) Surface Water
___(9) Floating Product

CASE STATUS:

	Start Date	Stop Date
(E) Emergency Response	___/___/___	___/___/___
(R) LTF Emergency	___/___/___	___/___/___
(L) Long Term Monitoring	___/___/___	___/___/___

SCORE: _____

FUNDING SOURCE: _____

PRIORITY: _____

CLOSURE DATE: 10/2/96

Closed Kleenair

ckf

UID: 135

02-03-000135

SITE NAME: Kleenair Vacuum (Barron)

ACTIONS SUMMARY

To S. Sutton

Site Closed
Pls Update Tracking

Thanks –
Kaelin
10/4/96

02 = RP Letter Sent			
[illegible] = NTC of Non Compliance*	21 = Contest Case Hearing*	34 = Tnk Cls/SA Rpt Appv'd	40 =
= Enf. Conference*	23 = Referral to DOJ*	35 = SI Work Plan Recv'd	41 =
14 = Notice of Violation*	30 = Notice to Proceed*	36 = SI Work Plan Appv'd*	42 =
18 = Admin. Order Issued*	31 = Tnk Cls/SA Work Plan	37 = SI Report Recv'd*	43 =
19 = Admin. Order Modified	32 = Tnk Cls/SA WP Appv'd	38 = SI Report Appv'd	44 =
20 = Admin. Order Cancelled	33 = Tnk Cls/SA Rept Recv'd	39 = RA Work Plan Recv'd	45 =
60 = 120 Soil App Rec'd	68 = WPDES Approved	76 =	84 =
61 = 120 Soil App Approved	69 = Close Out	77 =	85 =
62 = 120 Soil App Denied	70 =	78 =	86 =
63 = 149 Soil App Rec'd	71 =	79 =	87 =
64 = 149 Soil App Approved	72 =	80 =	88 =
65 = 149 Soil App Denied	73 =	81 =	89 =
66 = Request Status Update	74 =	82 =	90 =
67 = Request Misc Info	75 =	83 =	91 =

ACTION UPDATES:

10/3/97 not tracking at this time – sgs

Action Code	Date Received/Sent	Compliance Due Date	Compliance Achieved	Date Entered in Tracking
~~02~~	9/2/94 (R/S) S	10/1/94	6/1/95	/ /
~~02~~	9/2/94 (R/S)	11/1/94	/ /	/ /
66	4/25/95 (R/S) S	5/29/95	6/1/95	/ /
39	6/1/95 (R/S) R	/ /	/ /	/ /
40	6/20/95 (R/S) S	/ /	/ /	/ /
66	11/15/95 (R/S) S	12/5/95	11/29/95	/ /
63	11/3/95 (R/S) R	/ /	/ /	/ /
64	11/27/95 (R/S) S	/ /	/ /	/ /
66	4/9/96 (R/S) S	5/17/96	4/18/96	/ /
66	8/30/96 (R/S) S	9/30/96	9/20/96	/ /
41	9/20/96 (R/S) R	/ /	/ /	/ /
41	2/6/96 (R/S) R	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
69	10/3/96 (R/S)	Closed.	/ /	/ /

NWD TRACKING UPDATE FORM

SITE NAME: Kleenair Vacuum

NEW NAME: _____

LEGAL DESCRIPTION: ____ 1/4 ___ 1/4 SECT. _____ TOWN _____ N RANGE _____ E/W

RESPONSIBLE PARTY:

Company Name: _____
Contact Person: _____
Address: _____
_____
Phone Number: ____/____-_____

cc's: _____ _____
_____ _____
_____ _____
_____ _____

CONSULTANT:

Company Name: _____
Contact Name: _____
Address: _____
_____
Phone Number: ____/____-_____

SUBSTANCES:

	# Tank(s)	Size
___(1) Leaded Gas	_____	_____
___(2) Unleaded Gas	_____	_____
___(3) Diesel	_____	_____
___(4) Fuel Oil	_____	_____
___(5) Unkwn Hydrocrbn	_____	_____
___(8) Other: _____		
___(12) Waste Oil	_____	_____

IMPACTS:

___(1) Fire/Explosion Threat
___(2) Contaminated Private Well(s) #____
___(3) Contaminated Public Well
___(4) Groundwater Contamination
___(5) Soil Contamination
___(6) Other: _____
___(7) Surface Water
___(9) Floating Product

CASE STATUS:

	Start Date	Stop Date
(E) Emergency Response	___/___/___	___/___/___
(R) LTF Emergency	___/___/___	___/___/___
(L) Long Term Monitoring	___/___/___	___/___/___

SCORE: _____

FUNDING SOURCE: _____

PRIORITY: _____

CLOSURE DATE: 10/2/96

Closed Kleenair

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, District Director

Northwest District Headquarters
810 W Maple, PO Box 309
Spooner, WI 54801-0309
TELEPHONE 715-635-2101
FAX 715-635-4013
TDD 715-635-4001

October 3, 1996

Mr. Brad Sutton
Kleenair Vacuum & Appliance
818 S. Main St.
Rice Lake, WI 54868

Re: **Kleenair Site, Rice Lake WI**
ERP Case# 02-03-000135

Dear Mr. Sutton:

On September 2, 1994, the Wisconsin Department of Natural Resources (WDNR) provided notice to you that contamination related to a release of hydraulic fluid, which was identified at your property in Rice Lake was required to be investigated and remediated. We have since been informed that the required investigation and remediation has been accomplished. On October 2, 1996, the case was reviewed by the Northwest District Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the WDNR, it appears that the soil contamination identified at the site has been remediated in compliance with the requirements of chs. NR 700 to 724, Wis. Adm. Code. Therefore, the WDNR considers the case "closed," having determined that no further action is necessary at the site at this time. However, the case may be reopened pursuant to ch. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare or the environment.

You should note that this letter does not constitute WDNR "certification" under s. 144.765(2)(a)3, Wis Stats., as created by the 1993 Wisconsin Act 453 (May 12, 1994). Persons who meet the definition of "purchaser" in s. 144.765(1)(c), must receive WDNR pre-approval prior to conducting a site investigation in order to be eligible for the liability exemption under s. 144.765, Wis. Stats.

Should you have any questions regarding the above, please contact me at (715) 635-4048.

Sincerely;

Terry Koehn
ERP Hydrogeologist

cc: B. Germer NWD/Cumberland
J. Hosch NWD/Spooner
Bob Powers Enviroscience, Inc., 2224 Heimstead Rd, Eau Claire, WI 54703

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: September 30, 1996 FILE REF:

TO: Northwest District Closeout Committee

J. Prohaska	NWD/Spooner
J. Dunn	NWD/Spooner
T. Kendzierski	NWD/Spooner

FROM: T. Koehn NWD/Spooner

SUBJECT: **Closeout Consideration Request**
Kleenair Vacuum and Appliance, Rice Lake
Case# 02-03-00135

Background

On September 2, 1994 Kleenair (B. Sutton) was notified of their responsibilities to cleanup a spill site on their property. The soil contamination was observed by WDNR staff (J. Hayducsko, T. Brown and J. Hosch) in response to a complaint. No further action was apparently taken at the site until the WDNR was notified in June 1995 that Kleenair obtained Enviroscience to address the site other than sending Kleenair a Status Update letter in April 1995. A very brief Workplan was submitted by Enviroscience which was responded to by letter dated June 20, 1995. In July 1995 Kleenair and Enviroscience excavated impacted soils at the site. A sample collected from the initial excavation indicated a level of 150 ppm DRO. This caused an additional excavation effort during September 1995, within the initial area. A Synopsis of Remedial Actions, dated February 6, 1996, was submitted to the WDNR in April 1996. A revised Synopsis of Remedial Activities, dated September 20, 1996, was received on September 24, 1996 which included documentation of soil disposal.

Investigation Results

Initial PID results from the surface, the excavation and the stockpile were ND except for one sample that indicated a result of 10.5 ppm (surface).

A surface soil sample obtained in the area of the most obviously impacted soils detected a DRO result of 7300 ppm (KA SS#1). VOC detects in this sample were limited (n-butylbenzene 47 ppb). PAH detects in this sample were also limited (benzo(a)anthracene - 120 ppb, benzo(a)pyrene - 22 ppb, dibenzo(ah)anthracene - 90 ppb, phenanthrene - 15 ppb).

A second sample collected from the bottom of the excavation (KA SS#2) detected 150 ppm DRO with ND for VOCs and PAHs. A third sample, also from the bottom of the excavation, did not detect DRO but did detect limited VOCs (n-butylbenzene - 87 ppb) and PAHs (benzo(ghi)perylene - 7 ppb). The fourth sample from the initial excavation did dot detect DRO, or PAHs. Limited VOCs (n-butylbenzene - 67 ppb) were detected in the fourth sample.

The second excavation was completed in the area of sample KA SS#2 (150 ppm DRO). PID results from the second excavation were all ND. After excavation a fifth sample (KA SS#5) was collected. This sample was only run for DRO which was not detected. This indicated that the soil impacts did not extend to depth.

Closeout Request

Please review the enclosed material and consider this case for closure.

If you are in agreement with closing this case please sign and date the Closure Form attached. If you have comments or are not in agreement with closure please indicate your comments below.

cc: J. Hosch NWD/Spooner w/o att.

Comments

Kleenair - Rice Lake

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
CASE SUMMARY AND CLOSE OUT FORM

FOR DEPARTMENT USE ONLY

Close Out Option: (Committee) Fast Track DNR Project Manager: T Koehn

Priority: High Medium (Low) Type of Release: LUST (Spill) ERP Other _____ Unknown

Site Name: Kleenair Vacuum DNR Case No. 02-03-000135

Address/Location: _____ City/Vill/Tn: Rice Lake

Legal Description: ____ 1/4, ____ 1/4, Sec ____, T ____ N, R ____ (E/W) County: _____

Contaminant Type(s) Hydraulic Oil Quantity Released Limited

Incident Type: (amount released if known): Leak from equipment

Date of Incident/Discovered: 1994 Date Closure Submitted to DNR: Sept 1996

If Incident = LUST : Form 4 Pending? ___Yes ___No

Depth to Groundwater/Flow Direction: Unknown Perched Water? ___Y ___N Depth: _____

Soil Type — Depth to Bedrock —

Potential Receptors: —

Site Assessment Consultant: —

Investigation/Remediation Consultant: Enviroscience Inc.

Certified Lab Testing Soils/Water: Pace

Status of water supply wells within 1200 feet of the site?

Enforcement Actions or Permits Closed Out? _____Yes X No

Form completed by:
I certify that, to the best of my knowledge, the information presented on and attached to this form are true and accurate. This recommendation for case closure is based upon all available data as of _____(date). I have read the Case Summary and Close Out Form Instructions and all required information has been included.

Name: T Koehn Firm Name: WDNR

Affiliation with Site Owner: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone Number: (____) _____

_____
(Signature)

Kleencair

Attach Case Summary and Justification for Closure

SOIL
PRE-REMEDIATION OR INVESTIGATION ANALYTICAL RESULTS

Extent Defined? ___Y ___N

Attach Table of Pre-remedial Soil Samples

SOIL
POST REMEDIATION ANALYTICAL RESULTS

Attach the Table for Post Remedial Soil Results

Remedial Action Completed? X Y ___N 720.19 analysis___Y X N (if Y attach supporting documentation)

Final Confirmation Sampling Methods: Soils - (VOC, PAH, DRO) Final Spl (DRO

Description of remedial action taken: Excavation

Were Soils Excavated? X Y ___N Quantity: 4 tons Disposal Method: Monarch Paving

Soil Disposal Form Attached? ___Y ___N Final Disposal Location: _____

GROUNDWATER ANALYTICAL RESULTS

No Impact Anticipated

Extent Defined? ___Y ___N ___NA

Remedial Action Completed? ___Y ___N

Field Analyses? ___Y ___N Lab Analyses? ___Y ___N No. of Sampling Points: _____

Number of Sample Rounds: _____

#NR 141 Temporary Wells: _____ #Recovery Sumps: _____

#Private Wells: _____ For private wells, Form 3300-67 completed: _____

#Municipal Wells: _____ #NR 141 Monitoring Wells: _____

Preventive Action Limit exceeded? ___Y___N (If yes, location) _____

Enforcement Standard exceeded? ___Y___N (If yes, location) _____

Attach Table of Groundwater Results

Description of remedial action taken:

Kleenair

COMMITTEE RECOMMENDATION: Date: _____

CASE CLOSE OUT: Date: _____

_____ 10/2/96
(Signature)

_____
(Signature)

_____
(Signature)

_____
(Signature)

9/24/96

ENVIROSCIENCE
ENGINEERS • SCIENTISTS • LAND SURVEYORS
2224 HEIMSTEAD ROAD
EAU CLAIRE, WISCONSIN 54703

TEL (715) 835-9311 • FAX (715) 835-9352

September 20, 1996

Mr. Terry Koehn
Wisconsin Department of
Natural Resources
P.O. Box 309
Spooner, WI 54801

RE: Kleenair Vacuum & Appliance Spill, 320 North Main Street, Rice Lake, Wisconsin

Dear Mr. Koehn:

Enclosed is a copy of the revised synopsis per your request. I have also included copies of the records of the soil disposal from Monarch Paving.

It is Enviroscience's professional opinion that all soils contaminated with hydraulic fluid at levels exceeding the standards set forth by Wisconsin Administrative Code NR 700 have been removed and that no further work be required at the site.

Please call me at 715/835-9311 with any questions. Thank You.

Sincerely,

ENVIROSCIENCE, INC.

Bob Powers
Hydrogeologist

cc: Brad Sutton
Mike Hultgren

SYNOPSIS OF REMEDIAL ACTIVITIES

AT

KLEEN AIR VACUUM AND APPLIANCE

PREPARED FOR:
MR. BRAD SUTTON
RICE LAKE, WI

ENVIROSCIENCE, INC.
2224 HEIMSTEAD RD.
EAU CLAIRE, WI 54703
TEL 715/835-9311
FAX 715/835-9352

SEPTEMBER 20, 1996

INTRODUCTION

On September 1, 1994, Wisconsin Department of Natural Resources (WDNR) personnel visited the Kleen Air Vacuum and Appliance facility at 320 South Main Street, Rice Lake, Wisconsin (Figure 1). It was at this time that WDNR personnel discovered an apparent oil spill on the property. Mr. Brad Sutton, owner of Kleen Air Vacuum and Appliance, was instructed that this spill would need to be addressed.

Mr. Sutton hired Enviroscience to determine the extent and degree of soil possibly contaminated with hydraulic fluid. The purpose of this synopsis is to document and illustrate the soil sampling and excavation activities conducted by Bob Powers, Hydrogeologist, Enviroscience, Inc.

Hydraulic fluid had apparently leaked from a truck parked on the property. Surficial staining indicated the location of the release area. The stained area was located on a pad constructed of sand and gravel fill. Mr. Sutton built this pad at the rear of the building to level the ground surface and extend the parking area. Plans have been made for pavement of the area following WDNR approval of closure.

The Kleen Air facility is used for storage of recycled appliance parts. Discarded appliances are sometimes stored at the rear of the property until permanently disposed. A baseball field and a small wooded area border the rear of the Kleen Air property, and there is a liquor store located on the north side and a soda pop bottling operation on the south side of the site.

EXCAVATION 1

On the morning of July 21, 1995 Mr. Powers and Mr. Sutton conducted excavation activities at the Kleen Air warehouse. Initial inspection of the site showed that the stained soils were confined to the area illustrated in Figure 1. Stained soils were a milky, dark gray, and unstained soil in the spill area was brown. Before excavating, Mr. Powers collected a soil sample (K.A. SS #1) from the center of the spill area (Figure 2).

The laboratory analytical results of K.A. SS #1 were used to characterize the constituents of the highest levels of soil contamination (Table 1). Mr. Powers field screened a portion of SS-1 with a photo ionization detector (PID), and the results of PID #1 and subsequent field screening samples are listed in Table 2.

Mr. Powers then collected field screening samples from the surface at the locations shown in Figure 2. There were no hydrocarbon detections in any of these samples. At that point, Mr. Powers directed Mr. Sutton to begin excavating soils using a front-end loading Bobcat tractor. Mr. Sutton made passes with the Bobcat going from north to south and the excavation extended to a depth of 10 to 18 inches. The excavated soils were stockpiled on site and covered with plastic. Figures 3 and 4 illustrate cross-sectional views of the total excavation.

At the completion of Excavation 1, Mr. Powers collected soil samples K.A. SS #2, K.A. SS #3 and K.A. SS #4 for laboratory analysis from the excavated area to demonstrate that all soils left in place were free from hydrocarbon residue. The laboratory results are summarized in Table 1. Due to the presence of 150 mg/kg DRO (low boiling point hydrocarbons) in K.A. SS #2, further excavation of the area and another soil sample was required by WDNR.

TABLE 1
Soil Analytical Results - Excavation 1

Sample Description	Sample Depth	VOC mg/kg	DRO mg/kg	PAH ug/kg
K.A. SS #1	surface	see lab results for detected constituents	7300	see lab results for detected constituents
K.A. SS #2	18 in below original ground surface	ND	150	ND
K.A. SS #3	18 in below original ground surface	ND	ND	ND
K.A. SS #4	10 in below original ground surface	ND	ND	ND

ND Not detected at or above the laboratory limit.

TABLE 2
PID Field Screening Results - Excavation 1

Sample	Sample Location	PID
PID #1	surface	10.5
PID #2	surface	ND
PID #3	surface	ND
PID #4	surface	ND
PID #5	excavation bottom	ND
PID #6	excavation bottom	ND
PID #7	excavation bottom	ND
PID #8	excavation bottom	ND
PID #9	waste pile	ND

ND Not detected at or above the instrument detection limit.

EXCAVATION 2

On September 8, 1995 Enviroscience conducted a second excavation at the Kleen Air facility. As with Excavation 1, Mr. Powers directed the digging and collected the samples. Mr. Sutton performed the excavation using a front-end loading Bobcat.

Excavation 2 was concentrated in the area where K.A. SS #2 had previously been collected. Figure 5 illustrates the lateral area of Excavation 2, which was extended to a depth of 30 inches. Approximately 15 inches of soil was removed and then stockpiled on the existing waste pile. At the bottom of the excavation the soil characteristics changed from sand and gravel fill to native top soil.

Mr. Powers then collected four field screening soil samples from the new excavation and one from the waste pile. All field screening samples showed no detections (Table 3). After field screening, Mr. Powers collected soil sample SS #5 from the bottom of the excavation in the native top soil. Laboratory analysis of K.A. SS #5 showed no detections for VOC, DRO, and PAH (Table 4).

TABLE 3
PID Field Screening Results - Excavation 2

Sample	Sample Location	PID
PID #10	excavation sidewall	ND
PID #11	excavation sidewall	ND
PID #12	surface	ND
PID #13	excavation bottom	ND
PID #14	waste pile	ND

ND Not detected at or above the instrument detection limit.

TABLE 4
Soil Analytical Results - Excavation 2

Sample Description	Sample Depth	VOC mg/kg	DRO mg/kg	PAH ug/kg
K.A. SS #5	30 in below original ground surface	NA	ND	NA

ND Not detected at or above the laboratory limit.
NA Not analyzed

GROUNDWATER

Groundwater was not encountered during this excavation. Information gathered from the United States Geological Survey -Hydrologic Atlas 386 indicates that the depth to groundwater is approximately 20 feet in the area of the site. The site is located in the City of Rice Lake and is therefore serviced by the municipal water supply. There are no private wells in the vicinity of the site.

CONCLUSION

Based on field screening and analytical results of the excavated area, no residual soil contamination remains in the spill area, and it is our opinion that sufficient soil removal has been completed. An Application to Treat or Dispose of Contaminated Soil (4400-49) was completed by Enviroscience and a copy is included in this synopsis. The Form 4400-49 has been approved by WDNR Air Management for soil disposal at Monarch Paving.

STANDARD OF CARE

The conclusions and recommendations in this synopsis represent our professional opinions. Interpretation and opinions were arrived at in accordance with currently accepted geologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

MONARCH
PAVING COMPANY
DIVISION OF MATHY CONSTRUCTION CO

SEPTEMBER 20, 1996

ENVIROSCIENCE, INC.
2224 HEIMSTEAD RD
EAU CLAIRE, WI 54703

BOB,

Enclosed you will find a copy of our tracking form for contaminated soils.

Also included is a copy of weight tickets to show what was hauled into our plant.

This soil was treated at our Haugen Plant,(Plant 20). Our Air Pollution Permit Number for Plt. 20 is 87-RV-058.

The tracking form will verify that 3.97 tons was treated and incorporated into our mix on 5/21/96.

I hope this letter should fulfill all the documentation the D.N.R. needs.

THANK YOU,

LORI MOEN

3.97

MONARCH PAVING CO.
768 U.S. HWY 8
AMERY, WISCONSIN 54001
715-268-2687

PL-20

AUG 23 ENT'D

Date 5-21-96

Project/Job No. SPOILED SOILS 10880 GROSS WT.

Name KLEENAIR VACUUM + APPLIANCE 6640 TARE WT.

Address RICE LAKE 4240 NET WT.

2.12

BINDER	SURFACE	GRAVEL	ASPHALT	OTHER

Truck No. 1

Load No. 2

Time: 2:45

Driver:

T) 32627

AMOUNT		
STATE SALES TAX		
Total Due		

Received By:

1.85

MONARCH PAVING CO.
768 U.S. HWY 8
AMERY, WISCONSIN 54001
715-268-2687

PL-20

AUG 23 ENT'D

Date 5-21-96

Project/Job No. SPOILED SOILS 10380 GROSS WT.

Name KLEENAIR VACUUM + APPLIANCE 6680 TARE WT.

Address RICE LAKE 3700 NET WT.

1.85

BINDER	SURFACE	GRAVEL	ASPHALT	OTHER

Truck No. 1

Load No. 1

Time: 1:30

AMOUNT		
STATE SALES TAX		
Total Due		

16729

(6)

CONTAMINATED SOILS TRACKING FORM

Name of Plant – PLANT 20

Location – HAUGEN

Generator of Soils – KLEENAIR VACUUM + APPLIANCE

Total Pounds Voc 184# Days to Remediate 1/2

Copies of Soil Test Analysis ? – ✓ (Must be on record @ plant)

Type of Remediation (Check 1) Roasting _____ Incorporation ✓

NOTE: THE ABOVE INFORMATION MUST BE FILLED OUT BEFORE ANY SOILS ARE TO BE DELIVERED TO THE PLANT.

Processing Information : Estimated Tonnage – _____

Date	Production Rate	Magnehelic Readings	Temperature Readings	Tonnage
5-21-96	240 TPH	4.2	310°	3.97

TC 9/26/96

KLEENAIR DISPOSAL

818 SOUTH MAIN STREET
RICE LAKE, WI 54868

PHONE: 715 234-6296
OR 715 234-6272
Fax 715 234-3673

9-17-96

Dept. of Natural Resources
Northwest District Headquarters
810 W. Maple
Spooner, WI 54801

Attn: Terry Koehn

Dear Mr. Koehn,

Enclosed is documentation of soil disposal from Monarch.

Thankyou,

Brad Sutton

Brad Sutton
Kleenair Disposal

MONARCH
PAVING COMPANY
DIVISION OF MATHY CONSTRUCTION CO.

SEPTEMBER 3, 1996

KLEENAIR VACUUM & APPLIANCE
320 S. MAIN ST.
RICE LAKE, WI 54868

SANDY,

Enclosed you will find your invoice for treatment of contaminated soils.
Also included is a copy of weight tickets to show what was hauled into our plant.

This soil was treated at our Haugen Plant,(Plant 20).
Our Air Pollution Permit Number for Plt. 20 is 87-RV-058.

We also included a copy of our tracking form to verify that 3.97 tons was incorporated into our mix on 5/21/96 after treatment.

I hope this letter should fulfill all the documentation the D.N.R. needs.

THANK YOU,

BARTON M. LUND

768 U.S. HWY 8, Amery, WI 54001 • 715/268-2687

(6)

CONTAMINATED SOILS TRACKING FORM

Name of Plant – PLANT 20

Location – HAUGEN

Generator of Soils – KLEENAIR VACUUM + APPLIANCE

Total Pounds Voc 184# Days to Remediate 1/2

Copies of Soil Test Analysis ? – V (Must be on record @ plant)

Type of Remediation (Check 1) Roasting _____ Incorporation V.

NOTE: THE ABOVE INFORMATION MUST BE FILLED OUT BEFORE ANY SOILS ARE TO BE DELIVERED TO THE PLANT.

Processing Information : Estimated Tonnage – _____

Date	Production Rate	Magnehelic Readings	Temperature Readings	Tonnage
5-21-96	240 TPH	4.2	310°	3.97

Date of Completion –

1.85

MO RCH PAVING CO.

768 U.S. HWY 8
AMERY, WISCONSIN 54001
715-268-2687

PL-18

AUG 23 ENT'D

Date 5-21-96

Project/Job No. SPOILED SOILS — 10380 GROSS WT.

Name KLEENAIR VACUUM + APPLIANCE — 6680 TARE WT.

Address RICE LAKE — 3700 NET WT.

BINDER	SURFACE	GRAVEL	ASPHALT	OTHER

1.85

Truck No. 1

Load No. 1

Time: 1:30

Driver:

AMOUNT		
STATE SALES TAX		
Total Due		

№ 32626

Received By: [signature]

3.97

MONARCH PAVING CO.

768 U.S. HWY 8
AMERY, WISCONSIN 54001
715-268-2687

PL-20

AUG 23 ENT'D

Date 5-21-96

Project/Job No. SPOILED SOILS — 10880 GROSS WT.

Name KLEENAIR VACUUM + APPLIANCE — 6640 TARE WT.

Address RICE LAKE — 4240 NET WT.

BINDER	SURFACE	GRAVEL	ASPHALT	OTHER

2.12

Truck No. 1

Load No. 2

Time: 2:45

Driver:

AMOUNT		
STATE SALES TAX		
Total Due		

№ 32627

Received By: [signature]

PHONE CONVERSATION RECORD

DATE: 9/11/96
TIME:

CONVERSED WITH: Brad Sutton
234-6296

SUBJECT/PROJECT: Kleenair
Rice Lake

UNIQUE ID#.:

- Rec my recent letter
- Got rid of Sail in May
- Doesn't have doc. yet from Monarch
- Suggest he ask his consultant to help
- If remains problem let me know
- Once have doc. I will send to client

Signature: _____
(please write legibly)

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, District Director

Northwest District Headquarters
810 W. Maple
Spooner, WI 54801-0309
TELEPHONE 715-635-2101
FAX 715-635-4013
TDD 715-635-4001

August 30, 1996

KLEENAIR VACUUM
BRAD SUTTON
818 SOUTH MAIN ST
RICE LAKE WI 54868

RE: KLEENAIR VACUUM & APPLIANCE
ERP CASE #02-000135

Dear Mr Sutton:

I am writing to request an update on the status of the referenced environmental repair case. On April 22, 1996, the Department of Natural Resources (DNR) received a copy of a Synopsis of Remedial Activities prepared Enviroscience on your behalf. At that time you were waiting for weather conditions to improve to dispose of the contaminated soil. Since this time the DNR has not received an update on this case nor advised that soil disposal was completed.

Please provide the DNR with a written documentation of soil disposal prior to **September 30, 1996.** Your cooperation in this matter would be greatly appreciated. This case is still open and will not be presented to the Northwest District Closeout Committee for consideration until proper documentation is received.

If you have any questions regarding this matter, please contact me at (715) 635-4048.

Sincerely,

Terry Koehn
ERP Hydrogeologist

cc: Mr. Bob Powers
- Enviroscience, 2224 Heimstead Rd, Eau Claire WI 54703
T. Kendzierski NWD/Spooner
M. Michaelsen - NWD/Spooner

PHONE CONVERSATION RECORD

DATE: 5/1/96
TIME:

CONVERSED WITH: ~~Re~~ Bob Powers
Enviroscience
835-9311

SUBJECT/PROJECT: Kleenair
Rice Lake

UNIQUE ID#.:

- Let him know recieved report
- He explains that did not plan on submitting second "formal" report
  - OK with me
- Waiting for documentation of disposal
- Advises me that white goods no longer at site
- Needs to add statement
  No anderstr encountered (anticipated depth)
  No wells in area
- Also needs to clarify problem on table for Spl #3 (DRO-11 ppm) and for Spl #5 - DRO VOC PAH or only DRO
- Will make corrections
- Also let him know will on report is water soluble

Signature: _____
(please write legibly)

TC 4/29/96

ENVIROSCIENCE
ENGINEERS • SCIENTISTS • LAND SURVEYORS
2224 HEIMSTEAD ROAD
EAU CLAIRE, WISCONSIN 54703

TEL (715) 835-9311 • FAX (715) 835-9352

April 18, 1996

Mr. Terry Koehn
Wisconsin Department of
Natural Resources
P.O. Box 309
Spooner, WI 54801

RE: Kleenair Vacuum & Appliance Spill, 320 North Main Street, Rice Lake, Wisconsin

Dear Mr. Koehn:

I would first like to introduce myself to you. My name is Bob Powers and I am a hydrogeologist with Enviroscience in our Eau Claire office. Dawn Kolumbus recently left Enviroscience for a human resources position in Shell Lake, so you may address any future correspondence to myself, thanks.

Enclosed is a copy of the synopsis that was sent to Mr. Sutton documenting the excavation and sampling activities completed at the Kleenair property. This synopsis has not been constructed as a formal report.

The current status of the site is that Mr. Sutton has been waiting for the conditions on the site to improve enough to allow him to haul the excavated soils for disposal. Mr. Sutton is aware that the soils disposal form will need to accompany the soils and that he will need to contact Perry Aderholt at Monarch for a contract for disposal. We have asked that a copy of the receipt from Monarch be sent to Enviroscience when the soils are transported.

Please feel free to call me at 715/835-9311 with any questions regarding this site.

Sincerely,

ENVIROSCIENCE, INC.

Bob Powers

Bob Powers
Hydrogeologist

cc: Mr. Brad Sutton - Kleenair Vacuum & Appliance, 818 S. Main St., Rice Lake, WI 54868

Rec'd 4-22-96

SYNOPSIS OF REMEDIAL ACTIVITIES

AT

KLEENAIR VACUUM AND APPLIANCE

PREPARED FOR:
MR. BRAD SUTTON
RICE LAKE, WI

ENVIROSCIENCE, INC.
2224 HEIMSTEAD RD.
EAU CLAIRE, WI 54703
TEL 715/835-9311
FAX 715/835-9352

FEBRUARY 6, 1996

INTRODUCTION

On September 1, 1994, Wisconsin Department of Natural Resources (WDNR) personnel visited the Kleenair Vacuum and Appliance facility at 320 South Main Street, Rice Lake, Wisconsin (Figure 1). It was at this time that WDNR personnel discovered an apparent oil spill on the property. Mr. Brad Sutton, owner of Kleenair Vacuum and Appliance, was instructed that this spill would need to be addressed.

Mr. Sutton hired Enviroscience to determine the extent and degree of soil possibly contaminated with hydraulic fluid. The purpose of this synopsis is to document and illustrate the soil sampling and excavation activities conducted by Bob Powers, Hydrogeologist, Enviroscience, Inc.

Hydraulic fluid had apparently leaked from a truck parked on the property. Surficial staining indicated the location of the release area. The stained area was located on a pad constructed of sand and gravel fill. Mr. Sutton built this pad at the rear of the building to level the ground surface and extend the parking area. Plans have been made for pavement of the area following WDNR approval of closure.

The Kleenair facility is used for storage of recycled appliance parts. Discarded appliances are sometimes stored at the rear of the property until permanently disposed. A baseball field and a small wooded area border the rear of the Kleenair property, and there is a liquor store located on the north side and a soda pop bottling operation on the south side of the site.

EXCAVATION 1

On the morning of July 21, 1995 Mr. Powers and Mr. Sutton conducted excavation activities at the Kleenair warehouse. Initial inspection of the site showed that the stained soils were confined to the area illustrated in Figure 1. Stained soils were a milky, dark gray, and unstained soil in the spill area was brown. Before excavating, Mr. Powers collected a soil sample (K.A. SS #1) from the center of the spill area (Figure 2).

The laboratory analytical results of K.A. SS #1 were used to characterize the constituents of the highest levels of soil contamination (Table 1). Mr. Powers field screened a portion of SS-1 with a photo ionization detector (PID), and the results of PID #1 and subsequent field screening samples are listed in Table 2.

Mr. Powers then collected field screening samples from the surface at the locations shown in Figure 2. There were no hydrocarbon detections in any of these samples. At that point, Mr. Powers directed Mr. Sutton to begin excavating soils using a front-end loading Bobcat tractor. Mr. Sutton made passes with the Bobcat going from north to south and the excavation extended to a depth of 10 to 18 inches. The excavated soils were stockpiled on site and covered with plastic. Figures 3 and 4 illustrate cross-sectional views of the total excavation.

At the completion of Excavation 1, Mr. Powers collected soil samples K.A. SS #2, K.A. SS #3 and K.A. SS #4 for laboratory analysis from the excavated area to demonstrate that all soils left in place were free from hydrocarbon residue. The laboratory results are summarized in Table 1. Due to the presence of 150 mg/kg DRO (low boiling point hydrocarbons) in K.A. SS #2, further excavation of the area and another soil sample was required by WDNR.

TABLE 1
Soil Analytical Results - Excavation 1

Sample Description	Sample Depth	VOC mg/kg	DRO mg/kg	PAH ug/kg
K.A. SS #1	surface	see lab results for detected constituents	7300	see lab results for detected constituents
K.A. SS #2	18 in below original ground surface	ND	150	ND
K.A. SS #3	18 in below original ground surface	ND	~~ND~~ 11	ND
K.A. SS #4	10 in below original ground surface	ND	ND	ND

ND Not detected at or above the laboratory limit.

TABLE 2
PID Field Screening Results - Excavation 1

Sample	Sample Location	PID
PID #1	surface	10.5
PID #2	surface	ND
PID #3	surface	ND
PID #4	surface	ND
PID #5	excavation bottom	ND
PID #6	excavation bottom	ND
PID #7	excavation bottom	ND
PID #8	excavation bottom	ND
PID #9	waste pile	ND

ND Not detected at or above the instrument detection limit.

EXCAVATION 2

On September 8, 1995 Enviroscience conducted a second excavation at the Kleenair facility. As with Excavation 1, Mr. Powers directed the digging and collected the samples. Mr. Sutton performed the excavation using a front-end loading Bobcat.

Excavation 2 was concentrated in the area where K.A. SS #2 had previously been collected. Figure 5 illustrates the lateral area of Excavation 2, which was extended to a depth of 30 inches. Approximately 15 inches of soil was removed and then stockpiled on the existing waste pile. At the bottom of the excavation the soil characteristics changed from sand and gravel fill to native top soil.

Mr. Powers then collected four field screening soil samples from the new excavation and one from the waste pile. All field screening samples showed no detections (Table 3). After field screening, Mr. Powers collected soil sample SS #5 from the bottom of the excavation in the native top soil. Laboratory analysis of K.A. SS #5 showed no detections for VOC, DRO, and PAH (Table 4).

TABLE 3
PID Field Screening Results - Excavation 2

Sample	Sample Location	PID
PID #10	excavation sidewall	ND
PID #11	excavation sidewall	ND
PID #12	surface	ND
PID #13	excavation bottom	ND
PID #14	waste pile	ND

ND Not detected at or above the instrument detection limit.

TABLE 4
Soil Analytical Results - Excavation 2

Sample Description	Sample Depth	VOC mg/kg	DRO mg/kg	PAH ug/kg
K.A. SS #5	30 in below original ground surface	ND	ND	ND

ND Not detected at or above the laboratory limit.

?

CONCLUSION

Based on field screening and analytical results of the excavated area, no residual soil contamination remains in the spill area, and it is our opinion that sufficient soil removal has been completed. An Application to Treat or Dispose of Contaminated Soil (4400-49) was completed by Enviroscience and a copy is included in this synopsis. The Form 4400-49 has been approved by WDNR Air Management for soil disposal at Monarch Paving. Due to present frost conditions, the soils are designated to be transported and treated in Spring 1996. Confirmation of this disposal will be sent to WDNR upon receipt.

STANDARD OF CARE

The conclusions and recommendations in this synopsis represent our professional opinions. Interpretation and opinions were arrived at in accordance with currently accepted geologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

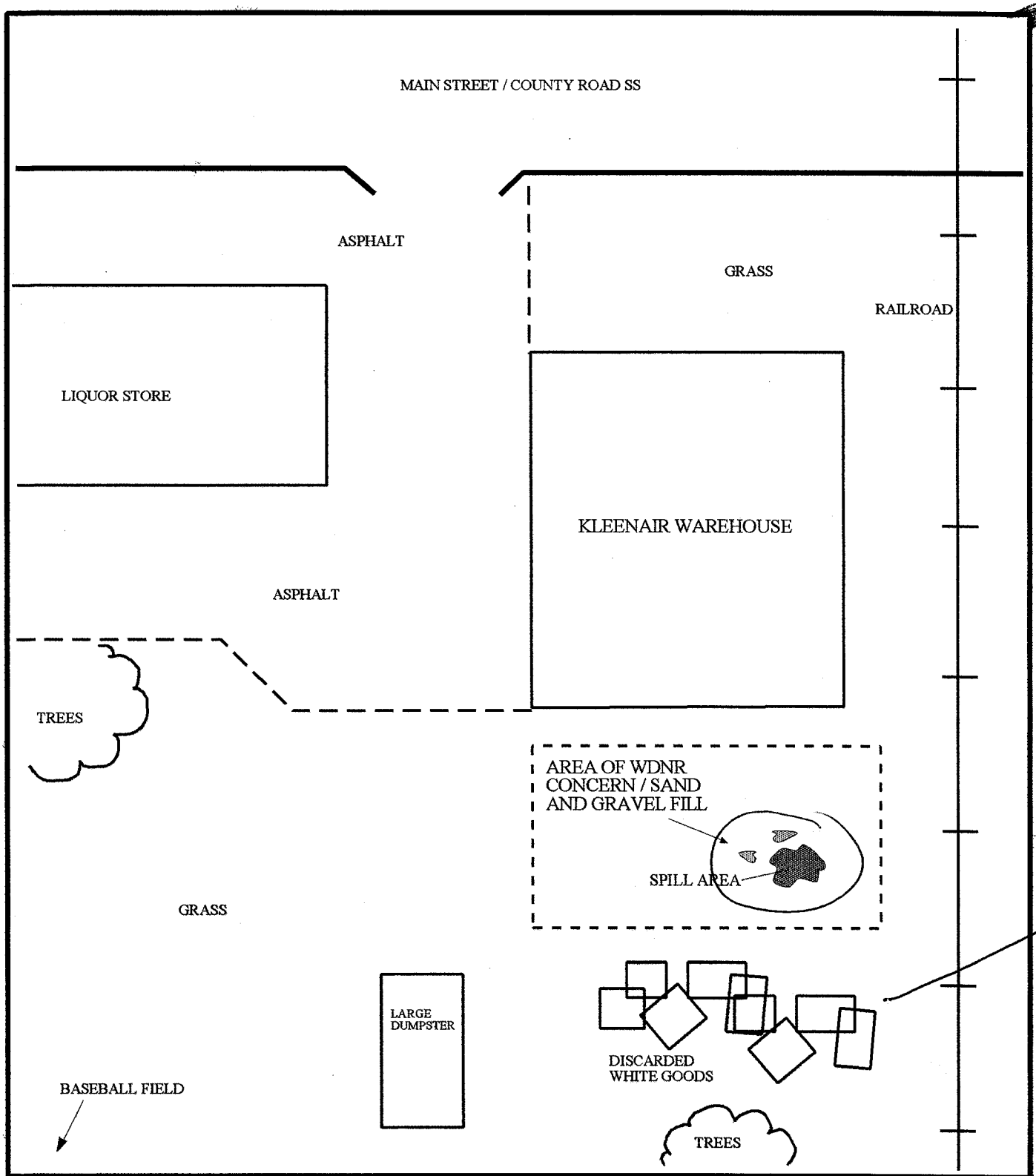

FIGURE 1

SITE MAP

APROX. SCALE
1" : 20'

KLEENAIR VACUUM AND APPLIANCE
RICE LAKE, WI
7-21-95

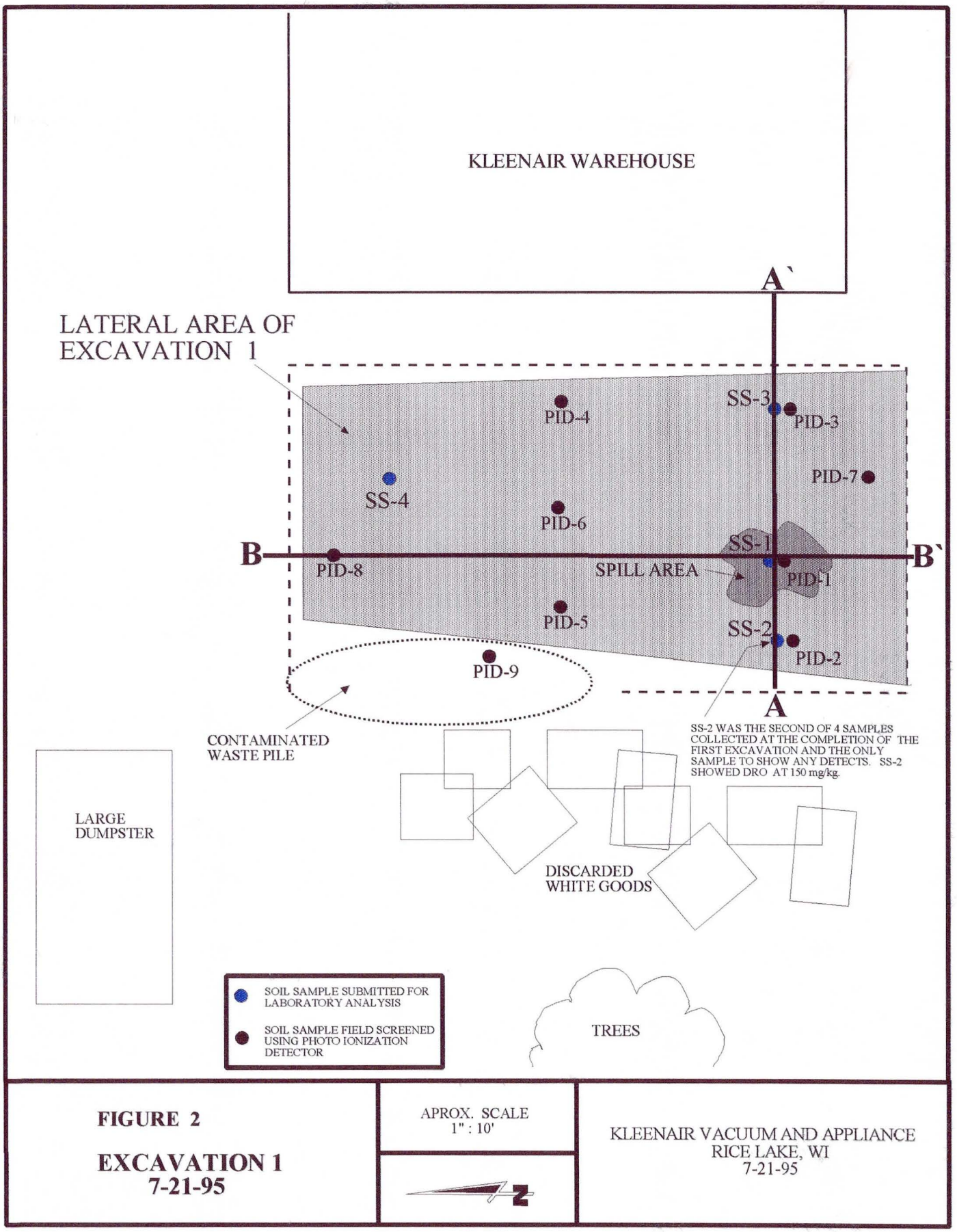

FIGURE 2

EXCAVATION 1
7-21-95

APROX. SCALE
1" : 10'

KLEENAIR VACUUM AND APPLIANCE
RICE LAKE, WI
7-21-95

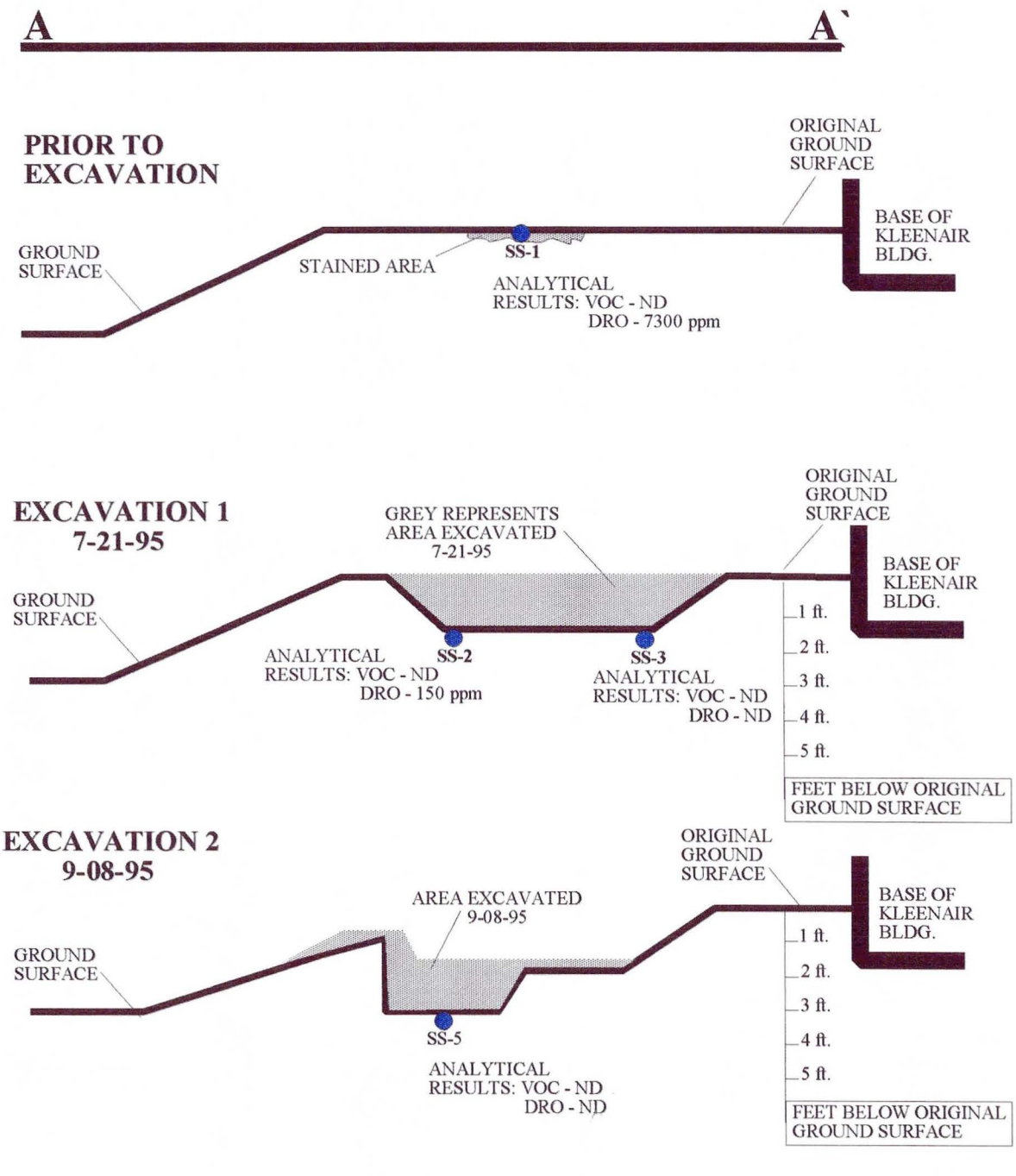

FIGURE 3

CROSS-SECTIONAL VIEWS
A to A`

HORIZONTAL SCALE
1" : 10'

VERTICAL SCALE
1" : 5'

KLEENAIR VACUUM AND APPLIANCE
RICE LAKE, WI

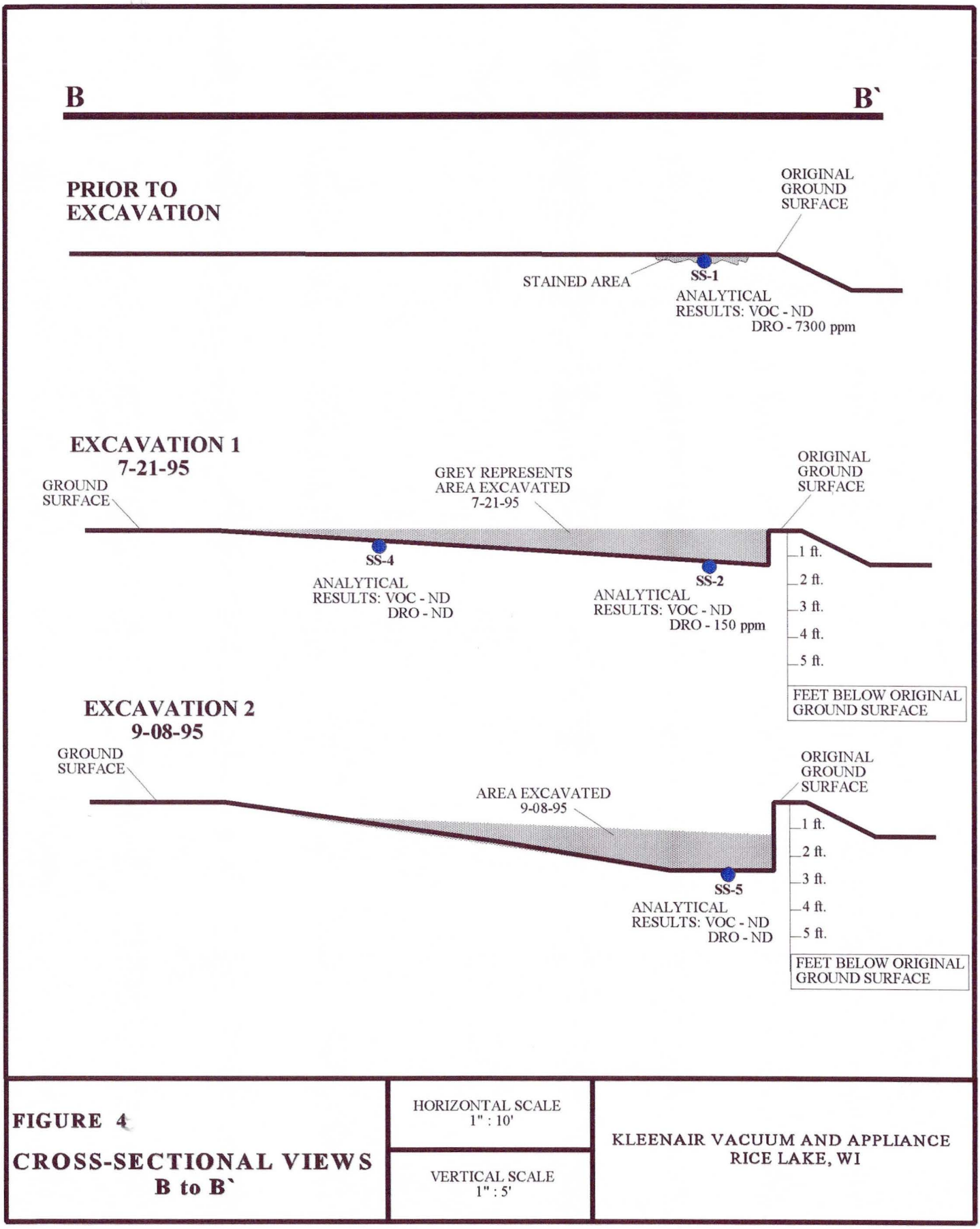

FIGURE 4 **CROSS-SECTIONAL VIEWS** **B to B`**	HORIZONTAL SCALE 1" : 10' VERTICAL SCALE 1" : 5'	KLEENAIR VACUUM AND APPLIANCE RICE LAKE, WI

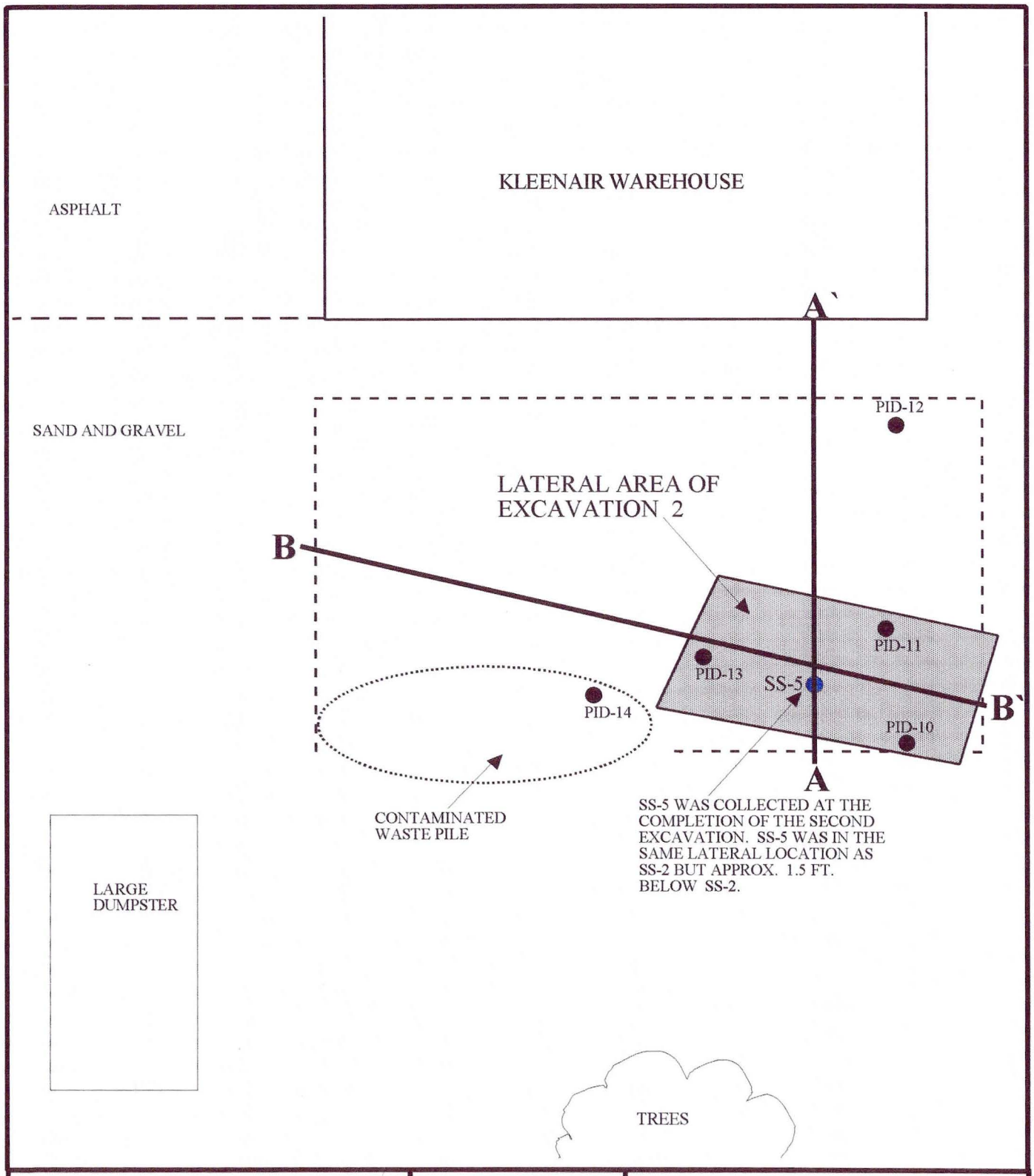

FIGURE 5

EXCAVATION 2
9-08-95

APROX. SCALE
1" : 10'

KLEENAIR VACUUM AND APPLIANCE
RICE LAKE, WI
9-08-95

SOILS DISPOSAL FORM

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL
ASPHALT PLANT OR OTHER TYPE OF THERMAL TREATMENT UNIT
Form 4400-149

This form is required by the Department of Natural Resources for leaking underground storage tank sites to ensure that petroleum contaminated soil is treated or disposed o;f in compliance with NR 500-540, NR 158, and NR 419, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules 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(1), 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.

DIRECTIONS: 1) Complete parts I and II. 2) Submit the application to the DNR project manager for approval. 3) Have the treatment facility complete part III of the approved form after the soil has been treated. 4) Return the ORIGINAL form to the DNR project manager. 5) Keep a copy for your files.

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: KLEENAIR VACUUM & APPLIANCE

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

Site Address: 320 S. MAIN ST.

Contact Name: BRAD SUTTON

City, State, Zip Code: RICE LAKE, WI 54868

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

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

Signature of Soil Generator: Brad Sutton

Telephone Number (include area code): 715|234-6296

Consulting Firm: ENVIROSCIENCE, INC. Contact: STEVE PALZKILL Telephone Number: 715|835-9311

Estimated Volume Contaminated Soil

~ 9 Tons/(cubic yards) (circle one)

Type of Petroleum Contamination (Circle):

Gasoline Diesel Fuel/#2 Fuel Oil

Other HYDRAULIC FLUID

Soil Type (USCS)

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

Distance to Nearest Residence/Business 200 ft.

Contaminant concentration:

One screened sample for each 15 yds³ and one laboratory analysis for each 300 yds³ of contaminated soil when the field instrument *registers contamination* OR one laboratory analysis for each 100 yds³ when the field instrument *does not register contamination* on soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE LISTING RESULTS OF BOTH FIELD SCREENING AND LAB ANALYSES, AND INCLUDE SUPPORTING LAB REPORTS, IN ADDITION TO THE TPH AND BENZENE INFORMATION REQUESTED BELOW. NOTE: DILHR requires a minimum of 3 laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) 0 lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 183.96 lbs

Total TPH as DRO

ATTACH EMISSIONS CALCULATIONS

(a/1,000,000) x (2,800 lbs/yd^3) x b = benzene emission in lbs., where a = benzene concentration of soil sample in ppm or mg/kg dry weight basis, and b = amount of contaminated soil in yds^3. 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.

Part II: Proposed Treatment Facility

Name of Plant: MONARCH PAVING — Plant number and Model: Monarch Plant #5

Contact: WALLY JONES — DNR Facility I.D. No.: 999012630

Address: 768 HWY. 8 AMERY, WI (or location of portable plant) — Distance to Nearest Residence/Business:

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence:

Air Management: Phyllis Holmbeck — Date: 11/27/95

Project Manager: _____ — Date: _____

Comments:

THIS SECTION TO BE COMPLETED BY THE ASPHALT/THERMAL UNIT PROCESSING THE CONTAMINATED SOIL
AFTER PROCESSING IS COMPLETED

Part III

WDNR Air Pollution Control Permit Number — Actual Volume of Soil Treated (tons/cubic yards)

Date of transport to plant — Date of treatment

Transporter Name — Transporter License Number

Circle One: Roasted and Incorporated Roasted Only

Total Benzene emissions in pounds for this batch (apply 50% destruction factor if no after burner is used)

Benzene emissions to date for this plant (including this batch) for this calendar year

Signature of Treatment plant representative — Telephone Number at Plant

POST BURN SAMPLE RESULTS: COMPLETE ONLY FOR SOILS NOT INCORPORATED!

(One representative sample for each 100 cubic yards-not composites)

Sample Number	_____	_____	_____	_____
TPH	_____	_____	_____	_____

DNR APPROVAL IS REQUIRED BEFORE USING AS COMMON FILL

Date of backfilling or use as common fill — Location of fill site ____1/4____1/4____S____T____R

mg/kg dry
, ssions by

CALCULATIONS FOR SOIL

Benzene (ppm)					Amt of Soil		
0	/1,000,000	x	2800	x	9	=	0

TPH (ppm)	as	DRO					
7300	/1,000,000	x	2800	x	9	=	183.96

ANALYTICAL RESULTS
OF
SOIL SAMPLES
COLLECTED FROM
EXCAVATION 1

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Enviroscience, Inc.
2224 Heimstead Rd.
Eau Claire, WI 54703

August 17, 1995
PACE Project Number: 950721519

Attn: Mr. Bob Powers

Client Reference: Kleen Air Vacuum + Applience

Parameter	Units	PRL			
PACE Sample Number:			10 0210960	10 0210978	10 0210986
Date Collected:			07/20/95	07/20/95	07/20/95
Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
SUBCONTRACT ANALYSIS					
INDIVIDUAL PARAMETERS					
SW8310			SEE ATTACH	SEE ATTACH	SEE ATTACH
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Moisture content	%	0.1	4.0	5.3	6.6
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
Date Analyzed			27JUL95 D	27JUL95 D	27JUL95 D
Chloromethane	ug/kg	40	ND	ND	ND
Dichlorodifluoromethane	ug/kg	60	ND	ND	ND
Vinyl chloride	ug/kg	84	ND	ND	ND
Chloroethane	ug/kg	40	ND	ND	ND
1,1-Dichloroethylene	ug/kg	25	ND	ND	ND
Trichlorofluoromethane	ug/kg	20	ND	ND	ND
Methylene chloride	ug/kg	48	ND	ND	ND
trans-1,2-Dichloroethylene	ug/kg	20	ND	ND	ND
1,1-Dichloroethane	ug/kg	30	ND	ND	ND
2,2-Dichloropropane	ug/kg	25	ND	ND	ND
cis-1,2-Dichloroethylene	ug/kg	20	ND	ND	ND
Chloroform	ug/kg	60	ND	ND	ND
1,1,1-Trichloroethane	ug/kg	35	ND	ND	ND
Carbon tetrachloride	ug/kg	25	ND	ND	ND
1,2-Dichloroethane	ug/kg	25	ND	ND	ND
1,1,2-Trichloroethylene	ug/kg	48	ND	ND	ND
1,2-Dichloropropane	ug/kg	35	ND	ND	ND
Bromodichloromethane	ug/kg	40	ND	ND	ND

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

REPORT OF LABORATORY ANALYSIS

Mr. Bob Powers
Page 2

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

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Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
1,1,2-Trichloroethane	ug/kg	20	ND	ND	ND
1,3-Dichloropropane	ug/kg	35	ND	ND	ND
1,1,2,2-Tetrachloroethylene	ug/kg	80	ND	ND	ND
Dibromochloromethane	ug/kg	44	ND	ND	ND
1,2-Dibromoethane	ug/kg	48	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/kg	76	ND	ND	ND
Hexachlorobutadiene	ug/kg	56	ND	ND	ND
Methyl tert-butyl ether	ug/kg	48	ND	ND	ND
Benzene	ug/kg	20	ND	ND	ND
Toluene	ug/kg	30	ND	ND	ND
Chlorobenzene	ug/kg	35	ND	ND	ND
Ethyl benzene	ug/kg	40	ND	ND	ND
Xylenes	ug/kg	64	ND	ND	ND
Cumene	ug/kg	60	ND	ND	ND
Bromobenzene	ug/kg	48	ND	ND	ND
n-Propybenzene	ug/kg	44	ND	ND	ND
2-Chlorotoluene	ug/kg	48	ND	ND	ND
4-Chlorotoluene	ug/kg	72	ND	ND	ND
1,3,5-Trimethylbenzene	ug/kg	35	ND	ND	ND
tert-Butylbenzene	ug/kg	100	ND	ND	ND
1,2,4-Trimethylbenzene	ug/kg	35	ND	ND	ND
1,3-Dichlorobenzene	ug/kg	44	ND	ND	ND
sec-Butylbenzene	ug/kg	40	ND	ND	ND
1,4-Dichlorobenzene	ug/kg	44	ND	ND	ND
p-Cymene	ug/kg	44	ND	ND	ND
1,2-Dichlorobenzene	ug/kg	48	ND	ND	ND
n-Butylbenzene	ug/kg	60	47	ND	87
1,2,4-Trichlorobenzene	ug/kg	56	ND	ND	ND
Naphthalene	ug/kg	80	ND	ND	ND
1,2,3-Trichlorobenzene	ug/kg	56	ND	ND	ND
di-Isopropyl ether	ug/kg	48	ND	ND	ND

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

REPORT OF LABORATORY ANALYSIS

Mr. Bob Powers
Page 3

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

Parameter	Units	PRL			
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Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
Fluorobenzene (Surrogate)	%		84.5	92.1	89.2
DIESEL RANGE ORGANICS-MOD. 8015					
Date Analyzed			30JUL95 CC	01AUG95 CC	02AUG95 CC
Date Extracted			07/25/95	07/27/95	07/27/95
Diesel Range Organic Compounds	mg/kg	100	7300 HB	-	-
Diesel Range Organic Compounds	mg/kg	11	-	150 HB	11
Pentacosane (Surrogate Std.)	%		120	81	71
Elapse Time, Receipt to Solvent Addition	Minutes	10	1080	4050	4050

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PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

Parameter	Units	PRL	
PACE Sample Number:			10 0210994
Date Collected:			07/20/95
Time Collected:			15:30
Date Received:			07/21/95
Client Sample ID:			K.A. SS #4
SUBCONTRACT ANALYSIS			
INDIVIDUAL PARAMETERS			
SW8310			SEE ATTACH
INORGANIC ANALYSIS			
INDIVIDUAL PARAMETERS			
Moisture content	%	0.1	8.0
ORGANIC ANALYSIS			
VOLATILE ORGANICS IN SOIL - 8021			
Date Analyzed			28JUL95 D
Chloromethane	ug/kg	40	ND
Dichlorodifluoromethane	ug/kg	60	ND
Vinyl chloride	ug/kg	84	ND
Chloroethane	ug/kg	40	ND
1,1-Dichloroethylene	ug/kg	25	ND
Trichlorofluoromethane	ug/kg	20	ND
Methylene chloride	ug/kg	48	ND
trans-1,2-Dichloroethylene	ug/kg	20	ND
1,1-Dichloroethane	ug/kg	30	ND
2,2-Dichloropropane	ug/kg	25	ND
cis-1,2-Dichloroethylene	ug/kg	20	ND
Chloroform	ug/kg	60	ND
1,1,1-Trichloroethane	ug/kg	35	ND
Carbon tetrachloride	ug/kg	25	ND
1,2-Dichloroethane	ug/kg	25	ND
1,1,2-Trichloroethylene	ug/kg	48	ND
1,2-Dichloropropane	ug/kg	35	ND
Bromodichloromethane	ug/kg	40	ND
1,1,2-Trichloroethane	ug/kg	20	ND
1,3-Dichloropropane	ug/kg	35	ND
1,1,2,2-Tetrachloroethylene	ug/kg	80	ND

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PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Mr. Bob Powers
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August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

Parameter	Units	PRL	
PACE Sample Number:			10 0210994
Date Collected:			07/20/95
Time Collected:			15:30
Date Received:			07/21/95
Client Sample ID:			K.A. SS #4
ORGANIC ANALYSIS			
VOLATILE ORGANICS IN SOIL - 8021			
Dibromochloromethane	ug/kg	44	ND
1,2-Dibromoethane	ug/kg	48	ND
1,2-Dibromo-3-chloropropane	ug/kg	76	ND
Hexachlorobutadiene	ug/kg	56	ND
Methyl tert-butyl ether	ug/kg	48	ND
Benzene	ug/kg	20	ND
Toluene	ug/kg	30	ND
Chlorobenzene	ug/kg	35	ND
Ethyl benzene	ug/kg	40	ND
Xylenes	ug/kg	64	ND
Cumene	ug/kg	60	ND
Bromobenzene	ug/kg	48	ND
n-Propybenzene	ug/kg	44	ND
2-Chlorotoluene	ug/kg	48	ND
4-Chlorotoluene	ug/kg	72	ND
1,3,5-Trimethylbenzene	ug/kg	35	ND
tert-Butylbenzene	ug/kg	100	ND
1,2,4-Trimethylbenzene	ug/kg	35	ND
1,3-Dichlorobenzene	ug/kg	44	ND
sec-Butylbenzene	ug/kg	40	ND
1,4-Dichlorobenzene	ug/kg	44	ND
p-Cymene	ug/kg	44	ND
1,2-Dichlorobenzene	ug/kg	48	ND
n-Butylbenzene	ug/kg	60	67
1,2,4-Trichlorobenzene	ug/kg	56	ND
Naphthalene	ug/kg	80	ND
1,2,3-Trichlorobenzene	ug/kg	56	ND
di-Isopropyl ether	ug/kg	48	ND
Fluorobenzene (Surrogate)	%		90.6

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ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

PACE Sample Number:			10 0210994
Date Collected:			07/20/95
Time Collected:			15:30
Date Received:			07/21/95
Client Sample ID:			K.A. SS #4
Parameter	Units	PRL	
ORGANIC ANALYSIS			
DIESEL RANGE ORGANICS-MOD. 8015			
Date Analyzed			01AUG95 CC DW
Date Extracted			07/27/95
Diesel Range Organic Compounds	mg/kg	10	ND
Pentacosane (Surrogate Std.)	%		76
Elapse Time, Receipt to Solvent Addition	Minutes	10	4050

Sample results are reported on a dry weight basis.

These data have been reviewed and are approved for release.

Paul D. Ernst
Project Manager

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Client Reference: Kleen Air Vacuum + Applience

DW	Sample results are reported on a dry weight basis.
HB	High boiling point hydrocarbons are present in sample.
ND	Not detected at or above the PRL.
PRL	PACE Reporting Limit

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PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

Moisture content
Batch: 10 72192
Samples: 10 0210960, 10 0210978, 10 0210986, 10 0210994

SAMPLE DUPLICATE:

Parameter	Units	PRL	100210994 K.A. SS #4	Duplicate of 10 0210994	RPD
Moisture content	%	0.1	8.0	8.2	2%

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Client Reference: Kleen Air Vacuum + Applience

DIESEL RANGE ORGANICS-MOD. 8015
Batch: 10 72335
Samples: 10 0210960

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Date Analyzed			29JUL95
Diesel Range Organic Compounds	mg/kg	10	ND
Pentacosane (Surrogate Std.)	%		80

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Diesel Range Organic Compounds	mg/kg	10	200	80%	80%	0%

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

DIESEL RANGE ORGANICS-MOD. 8015
Batch: 10 72432
Samples: 10 0210978, 10 0210986, 10 0210994

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Date Analyzed			02AUG95
Diesel Range Organic Compounds	mg/kg	10	ND
Pentacosane (Surrogate Std.)	%		77

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Diesel Range Organic Compounds	mg/kg	10	200	95%	95%	0%

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Client Reference: Kleen Air Vacuum + Applience

VOLATILE ORGANICS IN SOIL - 8021
Batch: 10 72520
Samples: 10 0210960, 10 0210978, 10 0210986, 10 0210994

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Date Analyzed			27JUL95
Dichlorodifluoromethane	ug/kg	76	ND
Chloromethane	ug/kg	76	ND
Vinyl Chloride	ug/kg	76	ND
Bromomethane	ug/kg	76	ND
Chloroethane	ug/kg	48	ND
Dichlorofluoromethane	ug/kg	48	ND
Trichlorofluoromethane	ug/kg	25	ND
Ethyl ether	ug/kg	250	ND
1,1,2-Trichlorotrifluoroethane	ug/kg	48	ND
Acetone	ug/kg	2000	ND
1,1-Dichloroethylene	ug/kg	25	ND
Allyl chloride	ug/kg	100	ND
Methylene Chloride	ug/kg	48	ND
Methyl tert-Butyl Ether	ug/kg	200	ND
trans-1,2-Dichloroethylene	ug/kg	25	ND
1,1-Dichloroethane	ug/kg	25	ND
Methyl ethyl ketone	ug/kg	1200	ND
2,2-Dichloropropane	ug/kg	25	ND
cis-1,2-Dichloroethylene	ug/kg	25	ND
Chloroform	ug/kg	25	ND
Bromochloromethane	ug/kg	48	ND
Tetrahydrofuran	ug/kg	1000	ND
1,1,1-Trichloroethane	ug/kg	25	ND
1,1-Dichloropropene	ug/kg	48	ND
Carbon Tetrachloride	ug/kg	25	ND
Benzene	ug/kg	25	ND
1,2-Dichloroethane	ug/kg	25	ND
1,2-Dichloropropane	ug/kg	25	ND
1,1,2-Trichloroethylene	ug/kg	25	ND
Dibromomethane	ug/kg	76	ND
Bromodichloromethane	ug/kg	25	ND

Client Reference: Kleen Air Vacuum + Applience

VOLATILE ORGANICS IN SOIL - 8021
Batch: 10 72520
Samples: 10 0210960, 10 0210978, 10 0210986, 10 0210994

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Methyl isobutyl ketone	ug/kg	400	ND
cis-1,3-Dichloro-1-propene	ug/kg	25	ND
Toluene	ug/kg	40	ND
trans-1,3-Dichloro-1-propene	ug/kg	25	ND
1,1,2-Trichloroethane	ug/kg	25	ND
1,3-Dichloropropane	ug/kg	40	ND
1,1,2,2-Tetrachloroethylene	ug/kg	48	ND
Dibromochloromethane	ug/kg	48	ND
1,2-Dibromoethane	ug/kg	200	ND
Chlorobenzene	ug/kg	40	ND
1,1,1,2-Tetrachloroethane	ug/kg	25	ND
Ethyl benzene	ug/kg	40	ND
m-Xylene	ug/kg	40	ND
p-Xylene	ug/kg	40	ND
o-Xylene	ug/kg	40	ND
Styrene	ug/kg	40	ND
Bromoform	ug/kg	48	ND
Cumene	ug/kg	48	ND
1,1,2,2-Tetrachloroethylene	ug/kg	48	ND
1,2,3-Trichloropropane	ug/kg	200	ND
Bromobenzene	ug/kg	48	ND
n-Propylbenzene	ug/kg	48	ND
2-Chlorotoluene	ug/kg	48	ND
1,3,5-Trimethylbenzene	ug/kg	40	ND
4-Chlorotoluene	ug/kg	76	ND
tert-Butylbenzene	ug/kg	40	ND
1,2,4-Trimethylbenzene	ug/kg	40	ND
sec-Butylbenzene	ug/kg	48	ND
p-Cymene	ug/kg	48	ND
1,3-Dichlorobenzene	ug/kg	48	ND
1,4-Dichlorobenzene	ug/kg	48	ND
n-Butylbenzene	ug/kg	60	ND

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

VOLATILE ORGANICS IN SOIL - 8021
Batch: 10 72520
Samples: 10 0210960, 10 0210978, 10 0210986, 10 0210994

METHOD BLANK:

Parameter	Units	PRL	Method Blank
1,2-Dichlorobenzene	ug/kg	48	ND
1,2-Dibromo-3-chloropropane	ug/kg	40	ND
1,2,4-Trichlorobenzene	ug/kg	60	ND
Hexachlorobutadiene	ug/kg	100	ND
Naphthalene	ug/kg	60	ND
1,2,3-Trichlorobenzene	ug/kg	60	ND
Fluorobenzene (Surrogate)	%		97.5

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	100210986 K.A. SS #3	Spike	Spike Recv	Spike Dupl Recv	RPD
Dichlorofluoromethane	ug/kg	120.	ND DS				
Dichlorofluoromethane	ug/kg	120		1000	110%	91%	19%
1,1-Dichloroethylene	ug/kg	62.5	ND DS				
1,1-Dichloroethylene	ug/kg	62		1000	112%	92%	20%
Methylene Chloride	ug/kg	120.	ND DS				
Methylene Chloride	ug/kg	120		1000	111%	92%	19%
trans-1,2-Dichloroethylene	ug/kg	62.5	ND DS				
trans-1,2-Dichloroethylene	ug/kg	62		1000	113%	92%	20%
1,1-Dichloroethane	ug/kg	62.5	ND DS				
1,1-Dichloroethane	ug/kg	62		1000	111%	92%	19%
Methyl ethyl ketone	ug/kg	3000	ND DS				
Methyl ethyl ketone	ug/kg	3100		10000	91%	74%	21%
2,2-Dichloropropane	ug/kg	62.5	ND DS				
2,2-Dichloropropane	ug/kg	62		1000	117%	93%	23%
Chloroform	ug/kg	62.5	ND DS				
Chloroform	ug/kg	62		1000	110%	91%	19%
Tetrahydrofuran	ug/kg	2500	ND DS	10000	110%	90%	20%
1,1,1-Trichloroethane	ug/kg	62.5	ND DS				
1,1,1-Trichloroethane	ug/kg	62		1000	112%	92%	20%
Carbon Tetrachloride	ug/kg	62.5	ND DS				

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QUALITY CONTROL DATA

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

VOLATILE ORGANICS IN SOIL - 8021
Batch: 10 72520
Samples: 10 0210960, 10 0210978, 10 0210986, 10 0210994

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	100210986 K.A. SS #3	Spike	Spike Recv	Spike Dupl Recv	RPD
Carbon Tetrachloride	ug/kg	62		1000	112%	93%	19%
Benzene	ug/kg	62.5	ND DS				
Benzene	ug/kg	62		1000	114%	94%	19%
1,1,2-Trichloroethylene	ug/kg	62.5	ND DS				
1,1,2-Trichloroethylene	ug/kg	62		1000	112%	92%	20%
Bromodichloromethane	ug/kg	62.5	ND DS				
Bromodichloromethane	ug/kg	62		1000	116%	98%	17%
Methyl isobutyl ketone	ug/kg	1000.	ND DS				
Methyl isobutyl ketone	ug/kg	1000		2000	64%	49%	27%
cis-1,3-Dichloro-1-propene	ug/kg	62.5	ND DS				
cis-1,3-Dichloro-1-propene	ug/kg	62		1000	120%	101%	17%
Toluene	ug/kg	100.	ND DS				
Toluene	ug/kg	100		1000	111%	90%	21%
trans-1,3-Dichloro-1-propene	ug/kg	62.5	ND DS				
trans-1,3-Dichloro-1-propene	ug/kg	62		1000	111%	92%	19%
1,3-Dichloropropane	ug/kg	100.	ND DS				
1,3-Dichloropropane	ug/kg	100		1000	106%	97%	9%
Chlorobenzene	ug/kg	100.	ND DS				
Chlorobenzene	ug/kg	100		1000	126%	106%	17%
m-Xylene	ug/kg	100.	ND DS				
m-Xylene	ug/kg	100		1000	118%	96%	21%
Styrene	ug/kg	100.	ND DS				
Styrene	ug/kg	100		1000	109%	89%	20%
Bromoform	ug/kg	120.	ND DS				
Bromoform	ug/kg	120		1000	92%	77%	18%
Cumene	ug/kg	120.	ND DS				
Cumene	ug/kg	120		1000	118%	97%	20%
n-Propylbenzene	ug/kg	120.	ND DS				
n-Propylbenzene	ug/kg	120		1000	110%	91%	19%
1,3,5-Trimethylbenzene	ug/kg	100.	ND DS				
1,3,5-Trimethylbenzene	ug/kg	100		1000	118%	93%	24%

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QUALITY CONTROL DATA

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Client Reference: Kleen Air Vacuum + Applience

VOLATILE ORGANICS IN SOIL - 8021
Batch: 10 72520
Samples: 10 0210960, 10 0210978, 10 0210986, 10 0210994

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	100210986 K.A. SS #3	Spike	Spike Recv	Spike Dupl Recv	RPD
4-Chlorotoluene	ug/kg	190.	ND DS				
4-Chlorotoluene	ug/kg	190		1000	113%	96%	16%
tert-Butylbenzene	ug/kg	100.	ND DS				
tert-Butylbenzene	ug/kg	100		1000	114%	96%	17%
p-Cymene	ug/kg	120.	ND DS				
p-Cymene	ug/kg	120		1000	114%	92%	21%
1,4-Dichlorobenzene	ug/kg	120.	ND DS				
1,4-Dichlorobenzene	ug/kg	120		1000	105%	87%	19%
1,2-Dichlorobenzene	ug/kg	120.	ND DS				
1,2-Dichlorobenzene	ug/kg	120		1000	97%	83%	16%
Hexachlorobutadiene	ug/kg	250	ND DS	1000	68%	58%	16%
Naphthalene	ug/kg	150.	ND DS				
1,2,3-Trichlorobenzene	ug/kg	150.	ND DS				

LABORATORY CONTROL SAMPLE:

Parameter	Units	PRL	Reference Value	Recv
Dichlorodifluoromethane	ug/L	1.5	20.0	93%
Chloromethane	ug/L	1.5	20.0	114%
Vinyl Chloride	ug/L	1.5	20.0	104%
Bromomethane	ug/L	1.5	20.0	107%
Chloroethane	ug/L	1.0	20.0	103%
Dichlorofluoromethane	ug/L	1.0	20.0	85%
Trichlorofluoromethane	ug/L	0.5	20.0	100%
Ethyl ether	ug/L	5.0	20.0	87%
1,1,2-Trichlorotrifluoroethane	ug/L	1.0	20.0	94%
Acetone	ug/L	40.0	200	84%
1,1-Dichloroethylene	ug/L	0.5	20.0	85%
Allyl chloride	ug/L	2.0	20.0	85%
Methylene Chloride	ug/L	1.0	20.0	90%
Methyl tert-Butyl Ether	ug/L	4.0	20.0	83%

Client Reference: Kleen Air Vacuum + Applience

VOLATILE ORGANICS IN SOIL - 8021
Batch: 10 72520
Samples: 10 0210960, 10 0210978, 10 0210986, 10 0210994

LABORATORY CONTROL SAMPLE:

Parameter	Units	PRL	Reference Value	Recv
Trans-1,2-dichloroethylene	ug/L	0.5	20.0	88%
1,1-Dichloroethane	ug/L	0.5	20.0	87%
Methyl ethyl ketone	ug/L	25.0	200	59%
2,2-Dichloropropane	ug/L	0.5	20.0	96%
cis-1,2-Dichloroethylene	ug/L	0.5	20.0	103%
Chloroform	ug/L	0.5	20.0	86%
Bromochloromethane	ug/L	1.0	20.0	103%
Tetrahydrofuran	ug/L	20.0	200	60%
1,1,1-Trichloroethane	ug/L	0.5	20.0	88%
1,1-Dichloropropene	ug/L	1.0	20.0	105%
Carbon Tetrachloride	ug/L	0.5	20.0	87%
Benzene	ug/L	0.5	20.0	87%
1,2-Dichloroethane	ug/L	0.5	20.0	92%
1,2-Dichloropropane	ug/L	0.5	20.0	98%
1,1,2-Trichloroethylene	ug/L	0.5	20.0	87%
Dibromomethane	ug/L	1.5	20.0	96%
Bromodichloromethane	ug/L	0.5	20.0	90%
Methyl isobutyl ketone	ug/L	8.0	40.0	48%
cis-1,3-Dichloro-1-propene	ug/L	0.5	20.0	91%
Toluene	ug/L	0.8	20.0	84%
trans-1,3-Dichloro-1-propene	ug/L	0.5	20.0	80%
1,1,2-Trichloroethane	ug/L	0.5	20.0	100%
1,3-Dichloropropane	ug/L	0.8	20.0	82%
1,1,2,2-Tetrachloroethylene	ug/L	1.0	20.0	104%
Dibromochloromethane	ug/L	1.0	20.0	100%
1,2-Dibromoethane	ug/L	4.0	20.0	98%
Chlorobenzene	ug/L	0.8	20.0	99%
1,1,1,2-Tetrachloroethane	ug/L	0.5	20.0	107%
Ethyl benzene	ug/L	0.8	20.0	93%
m-Xylene	ug/L	0.8	20.0	90%
p-Xylene	ug/L	0.8	20.0	98%
o-Xylene	ug/L	0.8	20.0	93%

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Mr. Bob Powers
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QUALITY CONTROL DATA

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

VOLATILE ORGANICS IN SOIL - 8021
Batch: 10 72520
Samples: 10 0210960, 10 0210978, 10 0210986, 10 0210994

LABORATORY CONTROL SAMPLE:

Parameter	Units	PRL	Reference Value	Recv
Styrene	ug/L	0.8	20.0	84%
Bromoform	ug/L	1.0	20.0	72%
Cumene	ug/L	1.0	20.0	87%
1,1,2,2-Tetrachloroethane	ug/L	1.0	20.0	121%
1,2,3-Trichloropropane	ug/L	4.0	20.0	107%
Bromobenzene	ug/L	1.0	20.0	106%
n-Propylbenzene	ug/L	1.0	20.0	86%
2-Chlorotoluene	ug/L	1.0	20.0	113%
1,3,5-Trimethylbenzene	ug/L	0.8	20.0	90%
4-Chlorotoluene	ug/L	1.5	20.0	85%
tert-Butylbenzene	ug/L	0.8	20.0	89%
1,2,4-Trimethylbenzene	ug/L	0.8	20.0	96%
sec-Butylbenzene	ug/L	1.0	20.0	95%
p-Cymene	ug/L	1.0	20.0	87%
1,3-Dichlorobenzene	ug/L	1.0	20.0	107%
1,4-Dichlorobenzene	ug/L	1.0	20.0	84%
n-Butylbenzene	ug/L	1.2	20.0	94%
1,2-Dichlorobenzene	ug/L	1.0	20.0	86%
1,2-Dibromo-3-chloropropane	ug/L	0.8	20.0	111%
1,2,4-Trichlorobenzene	ug/L	1.2	20.0	87%
Hexachlorobutadiene	ug/L	2.0	20.0	277%
Naphthalene	ug/L	1.5	20.0	87%
1,2,3-Trichlorobenzene	ug/L	1.5	20.0	159%

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Client Reference: Kleen Air Vacuum + Applience

DS	Concentration found on diluted sample.
ND	Not detected at or above the PRL.
PRL	PACE Reporting Limit
RPD	Relative Percent Difference

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PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

Mr. Bob Powers
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August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacum and Appliance

PACE Sample Number:		10-0210960	10-0210978	10-0210986
Date Collected:		07/20/95	07/20/95	07/20/95
Time Collected:		12:20	03:00	03:10
Date Received:		07/21/95	07/21/95	07/21/95
Client Sample ID:		**K.A. SS#1**	**K.A. SS#2**	**K.A. SS#3**
Parameter	Units			
SW8310 Subcontracted Analysis				
Date Extracted		08/02/95	08/02/95	08/02/95
Date Analyzed		08/16/95	08/16/95	08/16/95
Acenaphthene	ug/kg	< 4.6	< 4.6	< 4.6
Acenaphthylene	ug/kg	< 5.4	< 5.4	< 5.4
Anthracene	ug/kg	< 16	< 16	< 16
Benzo (a) Anthracene	ug/kg	120	< 12	< 12
Benzo (a) Pyrene	ug/kg	22	< 6.7	< 6.7
Benzo (b) Fluoranthene	ug/kg	< 8.2	< 8.2	< 8.2
Benzo (g,h,i) Perylene	ug/kg	< 6.0	< 6.0	6.9
Benzo (k) Fluoranthene	ug/kg	< 8.7	< 8.7	< 8.7
Chrysene	ug/kg	< 9.5	< 9.5	< 9.5
Dibenzo (a,h) Anthrancene	ug/kg	90	< 8.2	< 8.2
Fluoranthene	ug/kg	< 9.3	< 9.3	< 9.3
Fluorene	ug/kg	< 15	< 15	< 15
Indeno (1,2,3-cd) Pyrene	ug/kg	< 10	< 10	< 10
Methyl-1-Naphthalene	ug/kg	< 6.4	< 6.4	< 6.4
Methyl-2-Naphthalene	ug/kg	< 5.2	< 5.2	< 5.2
Naphthalene	ug/kg	< 11	< 11	< 11
Phenanthrene	ug/kg	15	< 15	< 15
Pyrene	ug/kg	< 9.0	< 9.0	< 9.0
Fluoronahthalene (Surrogate)	%	80.0	58.0	59.0

ppb

Quality Control Data for this analysis is available upon request. Analyses were conducted at Northern Lake Services (WI. Cert. 721026460).

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

pace INCORPORATED
ENVIRONMENTAL LABORATORIES

Mr. Bob Powers
Page: Attachment -2

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacum and Appliance

PACE Sample Number:		10-0210994
Date Collected:		07/20/95
Time Collected:		03:30
Date Received:		07/21/95
Client Sample ID:		**K.A. SS#4**
Parameter	Units	
SW8310 Subcontracted Analysis		
Date Extracted		08/02/95
Date Analyzed		08/16/95
Acenaphthene	ug/kg	< 4.6
Acenaphthylene	ug/kg	< 5.4
Anthracene	ug/kg	< 16
Benzo (a) Anthracene	ug/kg	< 12
Benzo (a) Pyrene	ug/kg	< 6.7
Benzo (b) Fluoranthene	ug/kg	< 8.2
Benzo (g,h,i) Perylene	ug/kg	< 6.0
Benzo (k) Fluoranthene	ug/kg	< 8.7
Chrysene	ug/kg	< 9.5
Dibenzo (a,h) Anthrancene	ug/kg	< 8.2
Fluoranthene	ug/kg	< 9.3
Fluorene	ug/kg	< 15
Indeno (1,2,3-cd) Pyrene	ug/kg	< 10
Methyl-1-Naphthalene	ug/kg	< 6.4
Methyl-2-Naphthalene	ug/kg	< 5.2
Naphthalene	ug/kg	< 11
Phenanthrene	ug/kg	< 15
Pyrene	ug/kg	< 9.0
Fluoronahthalene (Surrogate)	%	64.0

Quality Control Data for this analysis is available upon request. Analyses were conducted at Northern Lake Services (WI. Cert. 721026460).

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

207691

pace INCORPORATED
ENVIRONMENTAL LABORATORIES

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Enviroscience
Address: 2224 Heinstead Rd. Eau Claire, WI 54703
Phone: 715 835 9311

Report To: Enviroscl.
Bill To: same
P.O. # / Billing Reference
Project Name / No.: Klean Air Vacuum + Appl.inc

Pace Client No.
Pace Project Manager: Paul Ernst
Pace Project No.: 9907215.9
Requested Due Date: 7-31-95

Sampled By (PRINT): Bob Powers
Bob Powers 7-20-95
Sampler Signature / Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA			ANALYSES REQUEST: DRO	VOC 8021	PAH 8310	REMARKS
1	K.A. SS #1	12:20 pm	Soil	21096.0	4	4						2	1		
2	K.A. SS #2	3:00		21097.8	4	4						2	1		
3	K.A. SS #3	3:10		21098.6	4	4						2	1		
4	K.A. SS #4	3:30		21099.4	4	4						2	1		
5	Trip Blanks				4										MeOH Blank: 21101.0 H_2O Blank: 21100.1
6															
7															
8															

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

Additional Comments
Samples on ice

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Bob Powers / Sunder	Michelle Wathe	7/21/95	1400

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

ANALYTICAL RESULTS
OF
SOIL SAMPLE
COLLECTED FROM
EXCAVATION 2

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Enviroscience, Inc.
2224 Heimstead Rd.
Eau Claire, WI 54703

September 19, 1995
PACE Project Number: 950909505

Attn: Mr. Bob Powers

Client Reference: Kleen Air

PACE Sample Number:			10 0264814
Date Collected:			09/08/95
Time Collected:			10:45
Date Received:			09/09/95
Client Sample ID:			K.A. SS#5
Parameter	Units	PRL	
INORGANIC ANALYSIS			
INDIVIDUAL PARAMETERS			
Moisture content	%	0.1	12.3
ORGANIC ANALYSIS			
DIESEL RANGE ORGANICS-MOD. 8015			
Date Analyzed			16SEP95 X
Date Extracted			09/13/95
Diesel Range Organic Compounds	mg/kg	11	ND
Pentacosane (Surrogate Std.)	%		70
Elapse Time, Receipt to Solvent Addition	Minutes	10	90

Sample results are reported on a dry weight basis.

These data have been reviewed and are approved for release.

Paul D. Ernst
Project Manager

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

Client Reference: Kleen Air

ND	Not detected at or above the PRL.
PRL	PACE Reporting Limit

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Client Reference: Kleen Air

Moisture content
Batch: 10 74355
Samples: 10 0264814

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	PRL	Method Blank	100264300	Duplicate of 10 0264300	RPD
Moisture content	%	0.1	ND	4.5	5.8	25%

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

Client Reference: Kleen Air

DIESEL RANGE ORGANICS-MOD. 8015
Batch: 10 74538
Samples: 10 0264814

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Date Analyzed			16SEP95
Diesel Range Organic Compounds	mg/kg	10	ND
Pentacosane (Surrogate Std.)	%		66

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Diesel Range Organic Compounds	mg/kg	10	200	75%	75%	0%

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

Client Reference: Kleen Air

ND	Not detected at or above the PRL.
PRL	PACE Reporting Limit
RPD	Relative Percent Difference

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

pace INCORPORATED
ENVIRONMENTAL LABORATORIES

278623

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Enviroscience, Inc.
Address: 2224 Heimstead Rd.
Eau Claire, WI 54703
Phone: 715 835 9311

Report To: Enviroscience
Bill To: Same
P.O. # / Billing Reference:
Project Name / No.: Kleen Aire

Pace Client No.:
Pace Project Manager: Paul Ernst
Pace Project No.: 950909505
*Requested Due Date: 9-18-95

Sampled By (PRINT): Bob Powers
Sampler Signature: Bob Powers
Date Sampled: 9-8-95

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA			DRO	% moisture	REMARKS
1	KA.SS #5	10:45	Soil	26481.4	3	3						2	1	
2														
3														
4														
5														
6														
7														
8														

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT/DATE	RETURNED/DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Bob Powers / sampler	Marlo Zirken / PACE	9/9/95	1100

Additional Comments

Shipped Fed Ex overnight

Samples on ice - POE

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

PHONE CONVERSATION RECORD

DATE: 4/11/96
TIME:

CONVERSED WITH: Brad Sutton
715-234-6296

SUBJECT/PROJECT: Kleenair
Rice Lake

UNIQUE ID#.:

- Sutton advised me that he has made arrangement for soil disposal through Monarch
- Waiting for weather obe to cooperate
- Expects disposal in a couple of weeks
- I explain this will serve as notice will not have to respond in writing - as long as accomplished soon

Signature: _____
(please write legibly)

TO: Dawn Columbia
Envirosciences

FROM: Katie Bauer
Program Assist - WNDR

SUBJECT-MESSAGE

Enclosed is a current list of disposal forms for your info.

REPLY

SIGNED [signature] DATE 4-9-96

SENDER RETAIN THIS COPY

SIGNED _____ DATE _____

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, District Director

Northwest District Headquarters
810 W. Maple, PO Box 309
Spooner, WI 54801-0309
TELEPHONE 715-635-2101
FAX 715-635-4013
TDD 715-635-4001

April 9, 1996

KLEENAIR VACUUM
BRAD SUTTON
818 SOUTH MAIN ST
RICE LAKE WI 54868

RE: KLEENAIR VACUUM & APPLIANCE
ERRP CASE #03-000135

Dear Mr Sutton:

I am writing to request an update on the status of the referenced environmental repair case. On December 15, 1995, the Department of Natural Resources (DNR) received a copy of your approved application to treat contaminated soil form prepared by Dawn Kolumbus of Enviroscience. Since this time the DNR has not received an update on this case.

Please provide the DNR with a letter detailing the status of the case or submit the final efforts to investigate and cleanup the site prior to **May 17, 1996.** Your cooperation in this matter would be greatly appreciated.

If you have any questions regarding this matter, please contact me at (715) 635-4048.

Sincerely,

Terry Koehn
ERRP Hydrogeologist

cc: Ms. Dawn Kolumbus
- Enviroscience, 2224 Heimstead Rd, Eau Claire WI 54703
T. Kendzierski/G. LeRoy - NWD/Spooner
B. Germer - NWD/Cumberland
J. Hosch - NWD/Spooner
M. Michaelsen - NWD/Spooner

R 11/30/95

ENVIROSCIENCE
ENGINEERS • SCIENTISTS • LAND SURVEYORS
2224 HEIMSTEAD ROAD
EAU CLAIRE, WISCONSIN 54703
TEL (715) 835-9311 • FAX (715) 835-9352

November 29, 1995

Mr. Terry Koehn
Wisconsin Department of
Natural Resources
P.O. Box 309
Spooner, WI 54801

RE: Kleenair Site in Rice Lake, WI
ERRP Case #03-00135

Dear Mr. Koehn:

This letter is to inform you of the status of the aforementioned site that we have been working on.

At the present time, we are awaiting approval from Ms. Phyllis Holmbeck on the Application to Treat or Dispose of Petroleum Contaminated Soil (Form 4400-149) for the contaminated soils associated with the spill at 320 South Main Street in Rice Lake, WI. Once we receive this approval, we are hoping to transport the soils to an approved plant for thermal treatment.

The report associated with the clean-up of this spill is in its final stages. However, based on the fact that we do not have the documentation to present to the WDNR that the contaminated soils have been treated, we will not be requesting closure at this time. Once we do receive this, we will forward Case Close-Out forms to you for committee consideration or fast track approval.

If you should have any questions regarding this information , please feel free to contact me at 715/835-9311.

Sincerely,

ENVIROSCIENCE, INC.

Dawn L. Kolumbus
Environmental Specialist

cc: Mr. Bradley Sutton - Kleenair Vacuum & Appliances, 818 S. Main St., Rice Lake, WI 54868

NORTHWEST DISTRICT HEADQUARTERS
Routing Slip

By Ruyim Holmbeck Date 11/27/95

__Bishop	__Kruger	✓Brule
__Clark	__Kallenbach	__
__Gantz	__Miller	__Cumberland
__Michels	__LeRoy	__
__DeWitt	__Dunn	__Park Falls
__Fabert	__Kafura	__
__Bierd	__Kendzierski	__Madison
__Conklin, K.	__Prohaska	__
__Finance	__Spangberg	__LMD
__LaBumbard	__Sutton (circled)	__
__Peterson	__Michaelsen	__NCD
__Stair	__Pratt	__
__Tesky	__Moss	__SED
__Wallace, S.	__Ross	__
__Gothblad	__Hayducsko	__SD
__Bartilson	__Holmbeck	__
__LaRose	__Schweiger	__WD
__Gozdzialski	__Scott	__
__Herrick	__Adams	
__Cable	__Monson	__
__Hanson	__Weber	__
__Pratt	__Smith, B.	__
__Jennings	__Smith, T.	__
__Kampa	__Ierace	__
__Margenau	__Koshere	__
__Johnson, C.	__Larson	
__Johannes	__Malischke	
__Peterson	__Roesler	
__Kies	__Ryan	
__Dettle	__Wallace, P.	
	__Conklin, D.	
	__Zeug	
	__Halverson	

__Answer for ____________________ sign
__Confer with me
__Follow through
__Note and return
__Note and toss
__For comments and/or approval
__Route and/or file
__For your information

COMMENTS: ____________________

RH

RECEIVED
NOV 29 1995
DNR - SPOONER

T 12/15/95

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL
ASPHALT PLANT OR OTHER TYPE OF THERMAL TREATMENT UNIT

Form 4400-149

This form is required by the Department of Natural Resources for leaking underground storage tank sites to ensure that petroleum contaminated soil is treated or disposed o;f in compliance with NR 500-540, NR 158, and NR 419, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules 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(1), 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.

DIRECTIONS: 1) Complete parts I and II. 2) Submit the application to the DNR project manager for approval. 3) Have the treatment facility complete part III of the approved form after the soil has been treated. 4) Return the ORIGINAL form to the DNR project manager. 5) Keep a copy for your files.

Barron CO EEP #135

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: KLEENAIR VACUUM & APPLIANCE

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

Site Address: 320 S. MAIN ST.

Contact Name: BRAD SUTTON

City, State, Zip Code: RICE LAKE, WI 54868

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

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

Signature of Soil Generator: Brad Sutton

Telephone Number (include area code): 715|234-6296

Consulting Firm	Contact	Telephone Number
ENVIROSCIENCE, INC.	STEVE PALZKILL	715|835-9311

Estimated Volume Contaminated Soil

~ 9 Tons/(cubic yards) (circle one)

Type of Petroleum Contamination (Circle):

Gasoline Diesel Fuel/#2 Fuel Oil

Other HYDRAULIC FLUID

Soil Type (USCS)

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

Distance to Nearest Residence/Business 200 ft.

Contaminant concentration:

One screened sample for each 15 yds³ and one laboratory analysis for each 300 yds³ of contaminated soil when the field instrument *registers contamination* OR one laboratory analysis for each 100 yds³ when the field instrument *does not register contamination* on soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE LISTING RESULTS OF BOTH FIELD SCREENING AND LAB ANALYSES, AND INCLUDE SUPPORTING LAB REPORTS, IN ADDITION TO THE TPH AND BENZENE INFORMATION REQUESTED BELOW. NOTE: DILHR requires a minimum of 3 laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) 0 lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 183.96 lbs

Total TPH as DRO

ATTACH EMISSIONS CALCULAT[illegible]

(a/1,000,000) x (2,800 lbs/yd^3) x b = benzene emission in lbs., where a = benzene concentration of soil sample in ppm or mg/kg dry weight basis, and b = amount of contaminated soil in yds^3. 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.

Part II: Proposed Treatment Facility

Name of Plant MONARCH PAVING

Plant number and Model Monarch Plant #5

Contact WALLY JONES

DNR Facility I.D. No. 999012630

Address 768 HWY. 8 AMERY, WI
(or location of portable plant)

Distance to Nearest Residence/Business

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence:

Air Management Phyllis Holmbeck Date 11/27/95

Project Manager _____ Date _____

Comments:

THIS SECTION TO BE COMPLETED BY THE ASPHALT/THERMAL UNIT PROCESSING THE CONTAMINATED SOIL
AFTER PROCESSING IS COMPLETED

Part III

WDNR Air Pollution Control Permit Number

Actual Volume of Soil Treated (tons/cubic yards)

Date of transport to plant

Date of treatment

Transporter Name

Transporter License Number

Circle One: Roasted and Incorporated Roasted Only

Total Benzene emissions in pounds for this batch (apply 50% destruction factor if no after burner is used)

Benzene emissions to date for this plant (including this batch) for this calendar year

Signature of Treatment plant representative

Telephone Number at Plant

POST BURN SAMPLE RESULTS: COMPLETE ONLY FOR SOILS NOT INCORPORATED!

(One representative sample for each 100 cubic yards-not composites)

Sample Number _____ _____ _____ _____

TPH _____ _____ _____ _____

DNR APPROVAL IS REQUIRED BEFORE USING AS COMMON FILL.

Date of backfilling or use as common fill Location of fill site ____1/4____1/4____S____T____R

ENVIROSCIENCE
ENGINEERS • SCIENTISTS • LAND SURVEYORS
2224 HEIMSTEAD ROAD
EAU CLAIRE, WISCONSIN 54703

TEL (715) 835-9311 • FAX (715) 835-9352

November 3, 1995

Ms. Phyllis Holmbeck
Wisconsin Department of
Natural Resources
1705 Tower Ave.
Superior, WI 54880

RE: Application to Treat or Dispose of Petroleum Contaminated Soil (Form 4400-149)

Dear Ms. Holmbeck:

Enclosed is an application for treatment of contaminated soil resulting from a spill of hydraulic fluid at Kleenair Vacuum and Appliance in Rice Lake, WI. The appropriate laboratory analysis is attached to the application. This site is under the oversight of DNR Project Manager Terry Koehn of Northwest District Headquarters office.

If you should have any questions regarding these forms, please feel free to contact me at 800/835-9311.

Sincerely,

ENVIROSCIENCE, INC.

Dawn Kolumbus

Dawn Kolumbus
Environmental Specialist

Enclosure

CALCULATIONS FOR SOIL

Benzene (ppm)					Amt of Soil		
0	/1,000,000	x	2800	x	9	=	0

TPH (ppm)	as	DRO					
7300	/1,000,000	x	2800	x	9	=	183.96

Benzene use Det limit 11/27/95 PJH.

20 ppb.

$$\frac{0.020}{10^6} \times 2800 \times 9 \approx 0.001 \text{ lbs.}$$

Feed Rate @ 75% distruction

$$X\left(\frac{\text{Ton}}{\text{hr}}\right) = \frac{\left(\frac{9 \text{ lbs}}{\text{hr}}\right) * (1.4 \text{ Ton/yd}^3) * 9 \text{ yds}}{183.96 \text{ lb TPH } (1 - 0.75)}$$

$$= 2.4 \text{ ton/hr} \approx 1.76 \text{ yd}^3.$$

check.

$$183.96 (0.25) = 45.99 \text{ lb VOC}$$

$$@ \frac{9 \text{ lb VOC}}{\text{HR}} \Rightarrow \frac{45.99 \text{ lb VOC TOT}}{9 \text{ lb VOC/HR}} = 5.11 \text{ HRS.}$$

$$1.76 \text{ yds}^3 \times 5.11 \text{ HRS} \approx 8.99 \text{ yds}^3$$

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Enviroscience, Inc.
2224 Heimstead Rd.
Eau Claire, WI 54703

August 17, 1995
PACE Project Number: 950721519

Attn: Mr. Bob Powers

Client Reference: Kleen Air Vacuum + Applience

Parameter	Units	PRL			
PACE Sample Number:			10 0210960	10 0210978	10 0210986
Date Collected:			07/20/95	07/20/95	07/20/95
Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
SUBCONTRACT ANALYSIS					
INDIVIDUAL PARAMETERS					
SW8310			SEE ATTACH	SEE ATTACH	SEE ATTACH
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Moisture content	%	0.1	4.0	5.3	6.6
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
Date Analyzed			27JUL95 D	27JUL95 D	27JUL95 D
Chloromethane	ug/kg	40	ND	ND	ND
Dichlorodifluoromethane	ug/kg	60	ND	ND	ND
Vinyl chloride	ug/kg	84	ND	ND	ND
Chloroethane	ug/kg	40	ND	ND	ND
1,1-Dichloroethylene	ug/kg	25	ND	ND	ND
Trichlorofluoromethane	ug/kg	20	ND	ND	ND
Methylene chloride	ug/kg	48	ND	ND	ND
trans-1,2-Dichloroethylene	ug/kg	20	ND	ND	ND
1,1-Dichloroethane	ug/kg	30	ND	ND	ND
2,2-Dichloropropane	ug/kg	25	ND	ND	ND
cis-1,2-Dichloroethylene	ug/kg	20	ND	ND	ND
Chloroform	ug/kg	60	ND	ND	ND
1,1,1-Trichloroethane	ug/kg	35	ND	ND	ND
Carbon tetrachloride	ug/kg	25	ND	ND	ND
1,2-Dichloroethane	ug/kg	25	ND	ND	ND
1,1,2-Trichloroethylene	ug/kg	48	ND	ND	ND
1,2-Dichloropropane	ug/kg	35	ND	ND	ND
Bromodichloromethane	ug/kg	40	ND	ND	ND

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

Client Reference: Kleen Air Vacuum + Applience

Parameter	Units	PRL			
PACE Sample Number:			10 0210960	10 0210978	10 0210986
Date Collected:			07/20/95	07/20/95	07/20/95
Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
1,1,2-Trichloroethane	ug/kg	20	ND	ND	ND
1,3-Dichloropropane	ug/kg	35	ND	ND	ND
1,1,2,2-Tetrachloroethylene	ug/kg	80	ND	ND	ND
Dibromochloromethane	ug/kg	44	ND	ND	ND
1,2-Dibromoethane	ug/kg	48	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/kg	76	ND	ND	ND
Hexachlorobutadiene	ug/kg	56	ND	ND	ND
Methyl tert-butyl ether	ug/kg	48	ND	ND	ND
Benzene	ug/kg	20	ND	ND	ND
Toluene	ug/kg	30	ND	ND	ND
Chlorobenzene	ug/kg	35	ND	ND	ND
Ethyl benzene	ug/kg	40	ND	ND	ND
Xylenes	ug/kg	64	ND	ND	ND
Cumene	ug/kg	60	ND	ND	ND
Bromobenzene	ug/kg	48	ND	ND	ND
n-Propybenzene	ug/kg	44	ND	ND	ND
2-Chlorotoluene	ug/kg	48	ND	ND	ND
4-Chlorotoluene	ug/kg	72	ND	ND	ND
1,3,5-Trimethylbenzene	ug/kg	35	ND	ND	ND
tert-Butylbenzene	ug/kg	100	ND	ND	ND
1,2,4-Trimethylbenzene	ug/kg	35	ND	ND	ND
1,3-Dichlorobenzene	ug/kg	44	ND	ND	ND
sec-Butylbenzene	ug/kg	40	ND	ND	ND
1,4-Dichlorobenzene	ug/kg	44	ND	ND	ND
p-Cymene	ug/kg	44	ND	ND	ND
1,2-Dichlorobenzene	ug/kg	48	ND	ND	ND
n-Butylbenzene	ug/kg	60	47	ND	87
1,2,4-Trichlorobenzene	ug/kg	56	ND	ND	ND
Naphthalene	ug/kg	80	ND	ND	ND
1,2,3-Trichlorobenzene	ug/kg	56	ND	ND	ND
di-Isopropyl ether	ug/kg	48	ND	ND	ND

REPORT OF LABORATORY ANALYSIS

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Appliance

Parameter	Units	PRL			
PACE Sample Number:			10 0210960	10 0210978	10 0210986
Date Collected:			07/20/95	07/20/95	07/20/95
Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
Fluorobenzene (Surrogate)	%		84.5	92.1	89.2
DIESEL RANGE ORGANICS-MOD. 8015					
Date Analyzed			30JUL95 CC	01AUG95 CC	02AUG95 CC
Date Extracted			07/25/95	07/27/95	07/27/95
Diesel Range Organic Compounds	mg/kg	100	7300 HB	-	-
Diesel Range Organic Compounds	mg/kg	11	-	150 HB	11
Pentacosane (Surrogate Std.)	%		120	81	71
Elapse Time, Receipt to Solvent Addition	Minutes	10	1080	4050	4050

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

NORTHWEST DISTRICT HEADQUARTERS

Routing Slip

By Phyllis Holmbeck Date 11/27/95

_Bishop	_Kruger	_Brule
_Clark	_Kallenbach	_____
_Gantz	_Miller	_Cumberland
_Michels	_LeRoy	_____
_DeWitt	_Dunn	_Park Falls
_Fabert	_Kafura	_____
_Bierd	_Kendzierski	_Madison
_Conklin, K.	_Prohaska	_____
_Finance	_Spangberg	_LMD
_LaBumbard	_Sutton	_____
_Peterson	_Michaelsen	_NCD
_Stair	_Pratt	_____
_Tesky	_Moss	_SED
_Wallace, S.	_Ross	_____
_Gothblad	_Hayducsko	_SD
_Bartilson	_Holmbeck	_____
_LaRose	_Schweiger	_WD
_Gozdzialski	_Scott	_____
_Herrick	_Adams	
_Cable	_Monson	_ _____
_Hanson	_Weber	_ _____
_Pratt	_Smith, B.	_ _____
_Jennings	_Smith, T.	_ _____
_Kampa	_Ierace	_ _____
_Margenau	_Koshere	_ _____
_Johnson, C.	_Larson	
_Johannes	_Malischke	
_Peterson	_Roesler	
_Kies	_Ryan	
_Dettle	_Wallace, P.	
	_Conklin, D.	
	_Zeug	
	_Halverson	

___Answer for _____ sign
___Confer with me
___Follow through
___Note and return
___Note and toss
___For comments and/or approval
___Route and/or file
___For your information

COMMENTS: _____

→ Terry Koehn

RECEIVED
NOV 29 1995
DNR - SPOONER

8/27/93 FORM\PS871307.SMW

R 11/29/95 File Kleenair Rice Lake

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL ASPHALT PLANT OR OTHER TYPE OF THERMAL TREATMENT UNIT

Form 4400-149

This form is required by the Department of Natural Resources for leaking underground storage tank sites to ensure that petroleum contaminated soil is treated or disposed o;f in compliance with NR 500-540, NR 158, and NR 419, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules 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(1), 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.

DIRECTIONS: 1) Complete parts I and II. 2) Submit the application to the DNR project manager for approval. 3) Have the treatment facility complete part III of the approved form after the soil has been treated. 4) Return the ORIGINAL form to the DNR project manager. 5) Keep a copy for your files.

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: KLEENAIR VACUUM & APPLIANCE

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

Site Address: 320 S. MAIN ST.

Contact Name: BRAD SUTTON

City, State, Zip Code: RICE LAKE, WI 54868

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

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

Signature of Soil Generator: Brad Sutton

Telephone Number (include area code): 715|234-6296

Consulting Firm	Contact	Telephone Number
ENVIROSCIENCE, INC.	STEVE PALZKILL	715|835-9311

Estimated Volume Contaminated Soil

~ 9 Tons/(cubic yards) (circle one)

Type of Petroleum Contamination (Circle):

Gasoline Diesel Fuel/#2 Fuel Oil

Other HYDRAULIC FLUID

Soil Type (USCS)

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

Distance to Nearest Residence/Business 200 ft.

Contaminant concentration:

One screened sample for each 15 yds³ and one laboratory analysis for each 300 yds³ of contaminated soil when the field instrument *registers contamination* OR one laboratory analysis for each 100 yds³ when the field instrument *does not register contamination* on soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE LISTING RESULTS OF BOTH FIELD SCREENING AND LAB ANALYSES, AND INCLUDE SUPPORTING LAB REPORTS, IN ADDITION TO THE TPH AND BENZENE INFORMATION REQUESTED BELOW. NOTE: DILHR requires a minimum of 3 laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) 0 lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 183.96 lbs

Total TPH as DRO

ATTACH EMISSIONS CALCULAT[illegible]

(a/1,000,000) x (2,800 lbs/yd^3) x b = benzene emission in lbs., where a = benzene concentration of soil sample in ppm or mg/kg dry weight basis, and b = amount of contaminated soil in yds^3. 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.

Part II: Proposed Treatment Facility

Name of Plant MONARCH PAVING

Plant number and Model Monarch Plant #5

Contact WALLY JONES

DNR Facility I.D. No. 999012630

Address 768 HWY. 8 AMERY, WI
(or location of portable plant)

Distance to Nearest Residence/Business

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence:

Air Management Phyllis Holmbeck Date 11/27/95

Project Manager _____ Date _____

Comments:

THIS SECTION TO BE COMPLETED BY THE ASPHALT/THERMAL UNIT PROCESSING THE CONTAMINATED SOIL
AFTER PROCESSING IS COMPLETED

Part III

WDNR Air Pollution Control Permit Number

Actual Volume of Soil Treated (tons/cubic yards)

Date of transport to plant

Date of treatment

Transporter Name

Transporter License Number

Circle One: Roasted and Incorporated Roasted Only

Total Benzene emissions in pounds for this batch (apply 50% destruction factor if no after burner is used)

Benzene emissions to date for this plant (including this batch) for this calendar year

Signature of Treatment plant representative

Telephone Number at Plant

POST BURN SAMPLE RESULTS: COMPLETE ONLY FOR SOILS NOT INCORPORATED!

(One representative sample for each 100 cubic yards-not composites)

Sample Number _____ _____ _____ _____

TPH _____ _____ _____ _____

DNR APPROVAL IS REQUIRED BEFORE USING AS COMMON FILL.

Date of backfilling or use as common fill

Location of fill site ____1/4____1/4____S____T____R

ENVIROSCIENCE
ENGINEERS • SCIENTISTS • LAND SURVEYORS
2224 HEIMSTEAD ROAD
EAU CLAIRE, WISCONSIN 54703

TEL (715) 835-9311 • FAX (715) 835-9352

November 3, 1995

Ms. Phyllis Holmbeck
Wisconsin Department of
Natural Resources
1705 Tower Ave.
Superior, WI 54880

RE: Application to Treat or Dispose of Petroleum Contaminated Soil (Form 4400-149)

Dear Ms. Holmbeck:

Enclosed is an application for treatment of contaminated soil resulting from a spill of hydraulic fluid at Kleenair Vacuum and Appliance in Rice Lake, WI. The appropriate laboratory analysis is attached to the application. This site is under the oversight of DNR Project Manager Terry Koehn of Northwest District Headquarters office.

If you should have any questions regarding these forms, please feel free to contact me at 800/835-9311.

Sincerely,

ENVIROSCIENCE, INC.

Dawn Kolumbus

Dawn Kolumbus
Environmental Specialist

Enclosure

CALCULATIONS FOR SOIL

Benzene (ppm)					Amt of Soil		
0	/1,000,000	x	2800	x	9	=	0

TPH (ppm)	as	DRO					
7300	/1,000,000	x	2800	x	9	=	183.96

Benzene use Det limit 11/27/95 PJH.

20 ppb.

$$\frac{0.020}{10^6} \times 2800 \times 9 \approx 0.001 \text{ lbs.}$$

Feed Rate @ 75% distruction

$$X\left(\frac{\text{Ton}}{\text{hr}}\right) = \frac{\left(\frac{9 \text{ lbs}}{\text{hr}}\right) * (1.4 \text{ Ton/yd}^3) * 9 \text{ yds}}{183.96 \text{ lb TPH} \ (1 - 0.75)}$$

$$= 2.4 \text{ ton/hr} \approx 1.76 \text{ yd}^3.$$

check.

$$183.96 \ (0.25) = 45.99 \text{ lb VOC}$$

$$@ \ 9 \frac{\text{lb VOC}}{\text{HR}} \Rightarrow \frac{45.99 \text{ lb VOC TOT}}{9 \text{ lb VOC/HR}} = 5.11 \text{ HRS.}$$

$$1.76 \text{ yds}^3 \times 5.11 \text{ HRS} \approx 8.99 \text{ yds}^3$$

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Enviroscience, Inc.
2224 Heimstead Rd.
Eau Claire, WI 54703

August 17, 1995
PACE Project Number: 950721519

Attn: Mr. Bob Powers

Client Reference: Kleen Air Vacuum + Applience

Parameter	Units	PRL			
PACE Sample Number:			10 0210960	10 0210978	10 0210986
Date Collected:			07/20/95	07/20/95	07/20/95
Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
SUBCONTRACT ANALYSIS					
INDIVIDUAL PARAMETERS					
SW8310			SEE ATTACH	SEE ATTACH	SEE ATTACH
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Moisture content	%	0.1	4.0	5.3	6.6
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
Date Analyzed			27JUL95 D	27JUL95 D	27JUL95 D
Chloromethane	ug/kg	40	ND	ND	ND
Dichlorodifluoromethane	ug/kg	60	ND	ND	ND
Vinyl chloride	ug/kg	84	ND	ND	ND
Chloroethane	ug/kg	40	ND	ND	ND
1,1-Dichloroethylene	ug/kg	25	ND	ND	ND
Trichlorofluoromethane	ug/kg	20	ND	ND	ND
Methylene chloride	ug/kg	48	ND	ND	ND
trans-1,2-Dichloroethylene	ug/kg	20	ND	ND	ND
1,1-Dichloroethane	ug/kg	30	ND	ND	ND
2,2-Dichloropropane	ug/kg	25	ND	ND	ND
cis-1,2-Dichloroethylene	ug/kg	20	ND	ND	ND
Chloroform	ug/kg	60	ND	ND	ND
1,1,1-Trichloroethane	ug/kg	35	ND	ND	ND
Carbon tetrachloride	ug/kg	25	ND	ND	ND
1,2-Dichloroethane	ug/kg	25	ND	ND	ND
1,1,2-Trichloroethylene	ug/kg	48	ND	ND	ND
1,2-Dichloropropane	ug/kg	35	ND	ND	ND
Bromodichloromethane	ug/kg	40	ND	ND	ND

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

Client Reference: Kleen Air Vacuum + Applience

PACE Sample Number:			10 0210960	10 0210978	10 0210986
Date Collected:			07/20/95	07/20/95	07/20/95
Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
Parameter	Units	PRL			
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
1,1,2-Trichloroethane	ug/kg	20	ND	ND	ND
1,3-Dichloropropane	ug/kg	35	ND	ND	ND
1,1,2,2-Tetrachloroethylene	ug/kg	80	ND	ND	ND
Dibromochloromethane	ug/kg	44	ND	ND	ND
1,2-Dibromoethane	ug/kg	48	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/kg	76	ND	ND	ND
Hexachlorobutadiene	ug/kg	56	ND	ND	ND
Methyl tert-butyl ether	ug/kg	48	ND	ND	ND
Benzene	ug/kg	20	ND	ND	ND
Toluene	ug/kg	30	ND	ND	ND
Chlorobenzene	ug/kg	35	ND	ND	ND
Ethyl benzene	ug/kg	40	ND	ND	ND
Xylenes	ug/kg	64	ND	ND	ND
Cumene	ug/kg	60	ND	ND	ND
Bromobenzene	ug/kg	48	ND	ND	ND
n-Propybenzene	ug/kg	44	ND	ND	ND
2-Chlorotoluene	ug/kg	48	ND	ND	ND
4-Chlorotoluene	ug/kg	72	ND	ND	ND
1,3,5-Trimethylbenzene	ug/kg	35	ND	ND	ND
tert-Butylbenzene	ug/kg	100	ND	ND	ND
1,2,4-Trimethylbenzene	ug/kg	35	ND	ND	ND
1,3-Dichlorobenzene	ug/kg	44	ND	ND	ND
sec-Butylbenzene	ug/kg	40	ND	ND	ND
1,4-Dichlorobenzene	ug/kg	44	ND	ND	ND
p-Cymene	ug/kg	44	ND	ND	ND
1,2-Dichlorobenzene	ug/kg	48	ND	ND	ND
n-Butylbenzene	ug/kg	60	47	ND	87
1,2,4-Trichlorobenzene	ug/kg	56	ND	ND	ND
Naphthalene	ug/kg	80	ND	ND	ND
1,2,3-Trichlorobenzene	ug/kg	56	ND	ND	ND
di-Isopropyl ether	ug/kg	48	ND	ND	ND

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

August 17, 1995
PACE Project Number: 950721519

Client Reference: Kleen Air Vacuum + Applience

Parameter	Units	PRL			
PACE Sample Number:			10 0210960	10 0210978	10 0210986
Date Collected:			07/20/95	07/20/95	07/20/95
Time Collected:			12:20	15:00	15:10
Date Received:			07/21/95	07/21/95	07/21/95
Client Sample ID:			K.A. SS #1	K.A. SS #2	K.A. SS #3
ORGANIC ANALYSIS					
VOLATILE ORGANICS IN SOIL - 8021			HB		
Fluorobenzene (Surrogate)	%		84.5	92.1	89.2
DIESEL RANGE ORGANICS-MOD. 8015					
Date Analyzed			30JUL95 CC	01AUG95 CC	02AUG95 CC
Date Extracted			07/25/95	07/27/95	07/27/95
Diesel Range Organic Compounds	mg/kg	100	7300 HB	-	-
Diesel Range Organic Compounds	mg/kg	11	-	150 HB	11
Pentacosane (Surrogate Std.)	%		120	81	71
Elapse Time, Receipt to Solvent Addition	Minutes	10	1080	4050	4050

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
FAX: 612-525-3377

PHONE CONVERSATION RECORD

DATE: 11/27/95
TIME: _____

CONVERSED WITH: Dawn Kolumbus
Enviroscience

SUBJECT/PROJECT: KleenAir

UNIQUE ID#.: _____

Basic invest/remed done
Waiting to send in until soil disposal done.

Pat Hill No Longer with Enviroscience
(Level One - Rice Lake)

Kolumbus requested to follow up with letter.

Signature: _____
(please write legibly)

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer, Secretary
William H. Smith, District Director

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

NORTHWEST DISTRICT HEADQUARTERS
P.O. Box 309
STH 70 West & First Street
Spooner, Wisconsin 54801
TELEPHONE 715-635-2101
TELEFAX 715-635-4013

November 15, 1995

MR BRADLEY SUTTON
KLEENAIR VACUUM & APPLIANCES
818 S MAIN ST
RICE LAKE WI 54868

RE: KLEENAIR SITE, RICE LAKE WI
ERRP CASE #03-00135

Dear Mr. Sutton:

I am writing to request an update on the status of the referenced environmental repair case. On June 20, 1995, the Department of Natural Resources (DNR) provided comments to your consultants brief workplan of June 1. Since this time your consultant advised me that work at the site has progressed and that a report could be expected late in October, 1995. A report on your efforts has not been received to date.

Please provide the DNR with a letter detailing the status of the case prior to **December 5, 1995**. The Northwest District Closeout Committee meets on December 5, 1995 and it would be advantageous to receive the submittal by that date for closeout consideration. Your cooperation in this matter would be greatly appreciated.

If you have any questions regarding this matter, please contact me at (715) 635-4048.

Sincerely,

Terry Koehn
ERRP Hydrogeologist

cc: T. Kendzierski/G. LeRoy NWD/Spooner
B. Germer NWD/Cumberland
J. Hosch NWD/Spooner
Ms. Dawn Kolumbus and Steve Palzkill Enviroscience
2224 Heimstead Road
Eau Claire WI 54703

PHONE CONVERSATION RECORD

DATE: 10-1-95
TIME: 4:10

CONVERSED WITH: Steve Pelchill
EnviroScience

SUBJECT/PROJECT: Kleenair

UNIQUE ID#.:

Additional Work at Site done
- Removed more soil
- Spled for DRO - ND
- Report shd be here in Apx 3 wks

Signature: _____
(please write legibly)

PHONE CONVERSATION RECORD

DATE: _____
TIME: _____

CONVERSED WITH: _____

SUBJECT/PROJECT: Kleen Air Site

UNIQUE ID#.: _____

9/22/95 Call to Palzkill - Enviroscience
Not Avail - Live Msg to Call Back.

Signature: _____
(please write legibly)

Jerry, 9/21/95

You might want to call Steve Palzkill (Enviroscience) refer to 8/23/95 phone conversation — ?

Katie

Done - Not Avail - Will Try to Call Back

PHONE CONVERSATION RECORD

DATE: 8/23/95
TIME:

CONVERSED WITH: Steve Palzkill
Environscience

SUBJECT/PROJECT: Kleenair

UNIQUE ID#.:

Done some excavation - Only Cpl of feet Deep
Collected Samples
- Stockpile 7300 ppm DRO
- Hay bottom Conf Spls
150 ppm DRO - without other parameters
- He agrees (as excav open) that best bet is to dig out some more
Pass only use DRO
- expects GW to be around 20 ft Deep.

Signature: _____
(please write legibly)

PHONE CONVERSATION RECORD

DATE: 8/9/95
TIME:

CONVERSED WITH: Dawn Kolumbus
EnviroScience

SUBJECT/PROJECT: Kleenair

UNIQUE ID#.: 03-00135

Excavation Done
Waiting on Lab Results
Excav Soils Covered.

Report to me mid September

Signature: Karla
(please write legibly)

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer, Secretary
William H. Smith, District Director

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

NORTHWEST DISTRICT HEADQUARTERS
P.O. Box 309
STH 70 West & First Street
Spooner, Wisconsin 54801
TELEPHONE 715-635-2101
TELEFAX 715-635-4013

June 20, 1995

Mr. Bradley Sutton
Kleenair Vacuum & Appliance
818 S. Main St.
Rice Lake, WI 54868

Re: **Kleenair Site, Rice Lake WI**
ERRP Case# 03-00135

Dear Mr. Sutton:

Thank you for your response to our letter of April 25, 1995 which requested an update on the status of the referenced site. Your consultants letter of June 1, 1995 was appreciated. In general, due to the nature of the spill and its expected volume the letter is acceptable as an initial workplan and is approved for implementation subject to the comments below. Should additional work be needed beyond excavation of soils with confirmation sampling a formal workplan will be required. The initial workplan is to address cleanup of a spill of a limited volume of hydraulic oil from equipment used at the site as part of your operation.

1. The analytical parameters listed generally appear appropriate for the evaluation. However, please include analysis for VOCs (method 8021) from at least one of the confirmation samples collected remaining samples is acceptable).

2. Although a specific number of samples are identified to be collected, professional judgement should be used when the field work is in progress to determine if additional samples are needed to accomplish the project. The goal of this project is to ensure that the degree and extent of the problem is identified and that remedial steps are taken to address them. The proposed three confirmation samples should be appropriate.

3. Collection of a sample from excavated soils suspected to be impacted should be performed to ensure that they are properly characterized for disposal purposes. Please ensure that any impacted soils that are excavated are properly stockpiled prior to disposal or treatment.

4. Please be aware that the site will not be closed out until such time as documentation is provided indicating that proper treatment or disposal is accomplished.

5. Should the area of concern prove to represent more extensive contamination than anticipated, additional effort to address the situation may be required.

6. Unless contamination proves to be more extensive than anticipated, an in depth site investigation/remediation report is not required for this site. However, I do expect that the submittal prepared adequately defines the degree and extent of the contamination, explains what steps were taken to investigate the problem, what steps

are taken to remediate them and information that proves that the site is clean. I also expect the submittal to identify any potential risks to human health and the environment. Please review NR-700 to determine if additional information should be included.

If you have any questions related to the above, please call me at (715) 635-4048. Again, thank you for your response to our April 25, 1995 letter and your willingness to proceed with the cleanup.

Sincerely;

Terry Koehn
ERP Hydrogeologist

cc: T. Kendzierski/G. LeRoy — NWD/Spooner
B. Germer — NWD/Cumberland
J. Hosch — NWD/Spooner
Ms. Dawn Kolumbus — Enviroscience
2224 Heimstead Road
Eau Claire, WI 54703

PHONE CONVERSATION RECORD

DATE: 6/9/95
TIME: 11:55

CONVERSED WITH: Steve Palzkill
Environscience
715-835-9311

SUBJECT/PROJECT: Kleenair

UNIQUE ID#.:

Low Budget Workplan
Comment from Ltr. to be Sent

VOC spls + PCB test kits
will be suggested

Signature:
(please write legibly)

6/5/95

ENVIROSCIENCE
ENGINEERS • SCIENTISTS • LAND SURVEYORS
2224 HEIMSTEAD ROAD
EAU CLAIRE, WISCONSIN 54703

TEL (715) 835-9311 • FAX (715) 835-9352

June 1, 1995

Mr. Terry Koehn
Wisconsin Department of
Natural Resources
P.O. Box 309
Spooner, WI 54801

RE: Kleenair Vacuum & Applicance Spill, 320 North Main Street, Rice Lake, Wisconsin

Dear Mr. Koehn:

This letter is to inform you that Mr. Bradley Sutton of Kleenair Vacuum and Appliance has retained our company for environmental consulting services associated with a hydraulic fluid spill located at 320 North Main Street in Rice Lake, Wisconsin.

We are tentatively scheduling the work for June 1995 with a report to follow documenting our investigation approximately six to eight weeks after completion of the field work.

Per telephone conversations with Mr. Robert Germer, Solid Waste Specialist at the Cumberland office, we are planning on taking three confirmation samples from the excavation area that will be analyzed for Diesel Range Organics (DRO) and Polynuclear Aromatic Hydrocarbons (PAHs). One sample will be taken from the stockpile of contaminated soils and will be analyzed for DRO, PAH's, and Petroleum Volatile Organic Compounds (PVOCs).

If you should have any questions regarding this information, please feel free to contact us at 715/835-9311.

Sincerely,

ENVIROSCIENCE, INC.

Dawn Kolumbus
Environmental Specialist

cc: Mr. Bradley Sutton - Kleenair Vacuum & Appliance, 818 S. Main St., Rice Lake, WI 54868

WISCONSIN
DEPT. OF NATURAL RESOURCES
George E. Meyer, Secretary
William H. Smith, District Director

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

NORTHWEST DISTRICT HEADQUARTERS
P.O. Box 309
STH 70 West & First Street
Spooner, Wisconsin 54801
TELEPHONE 715-635-2101
TELEFAX 715-635-4105

April 25, 1995

MR BRAD SUTTON
KLEENAIR DISPOSAL
818 SOUTH MAIN ST
RICE LAKE WI 54868

RE: **Hydraulic Oil Spill located at 320 S. Main St. Rice Lake, WI**
ERRP CASE #03-00135

Dear Mr. Sutton:

I am writing to request an update on the status of the above referenced environmental repair case. On September 20, 1994, you were made aware of your responsibility for cleanup of this site. Since this time the Department has not received an update on this case.

Your prompt reply is greatly appreciated. Please provide the Department with a letter detailing the status of the above referenced case prior to May 29, 1995.

If you have any questions regarding this matter, please contact me at (715) 635-4048.

Sincerely,

Terry Koehn
ERRP Hydrogeologist

cc: Tom Kendzierski/NWD-Spooner

ERP # 03135

JS 4/24/95

NWD TRACKING UPDATE FORM

SITE NAME: Kleenair Vacuum new Address: 320 S. Main, Rice Lake, WI 54868

NEW NAME: _____

LEGAL DESCRIPTION: ____ 1/4 ___ 1/4 SECT. _____ TOWN _____ N RANGE _____ E/W

RESPONSIBLE PARTY:

Company Name: _____
Contact Person: _____
Address: _____
_____
Phone Number: ____/____-_____

cc's: _____ _____
_____ _____
_____ _____
_____ _____

CONSULTANT:

Company Name: _____
Contact Name: _____
Address: _____
_____
Phone Number: ____/____-_____

SUBSTANCES:

	# Tank(s)	Size
___(1) Leaded Gas	_____	_____
___(2) Unleaded Gas	_____	_____
___(3) Diesel	_____	_____
___(4) Fuel Oil	_____	_____
___(5) Unkwn Hydrocrbn	_____	_____
___(8) Other: _____		
___(12) Waste Oil	_____	_____

IMPACTS:

___(1) Fire/Explosion Threat
___(2) Contaminated Private Well(s) #_____
___(3) Contaminated Public Well
___(4) Groundwater Contamination
___(5) Soil Contamination
___(6) Other: _____
___(7) Surface Water
___(9) Floating Product

CASE STATUS:

	Start Date	Stop Date
(E) Emergency Response	___/___/___	___/___/___
(R) LTF Emergency	___/___/___	___/___/___
(L) Long Term Monitoring	___/___/___	___/___/___

SCORE: _____ *CLOSURE DATE:* ___/___/___

FUNDING SOURCE: _____

PRIORITY: _____

ERI

UID: #135 SITE NAME: Kleenair Vacuum

ACTIONS SUMMARY

02 = RP Letter Sent				
03 = **NTC of Non Compliance***	21 = **Contest Case Hearing***	34 = Tnk Cls/SA Rpt Appv'd	40 = **RA Work Plan Appv'd***	46 = Form 4 Denied
04 = **Enf. Conference***	23 = **Referral to DOJ***	35 = SI Work Plan Recv'd	41 = **RA Report Recv'd***	47 = PECFA Reimbursement
14 = **Notice of Violation***	30 = **Notice to Proceed***	36 = **SI Work Plan Appv'd***	42 = RA Report Appv'd	48 = **Free Product Recovery***
18 = **Admin. Order Issued***	31 = Tnk Cls/SA Work Plan	37 = **SI Report Recv'd***	43 = **Qrtly/Mthly Status Rpt***	49 = **Alternate Water Supplied***
19 = Admin. Order Modified	32 = Tnk Cls/SA WP Appv'd	38 = SI Report Appv'd	44 = Form 4 Received	51 = Deed Notice @ Case Closeout
20 = Admin. Order Cancelled	33 = Tnk Cls/SA Rept Recv'd	39 = RA Work Plan Recv'd	45 = Form 4 Approved	52 = Deed Restrict @ " " "
				53 = Deed Affidavit (enforcement)
60 = 120 Soil App Rec'd	68 = WPDES Approved	76 = ______	84 = ______	92 = ______
61 = 120 Soil App Approved	69 = ______	77 = ______	85 = ______	93 = ______
62 = 120 Soil App Denied	70 = ______	78 = ______	86 = ______	94 = ______
63 = 149 Soil App Rec'd	71 = ______	79 = ______	87 = ______	95 = ______
64 = 149 Soil App Approved	72 = ______	80 = ______	88 = ______	96 = ______
65 = 149 Soil App Denied	73 = ______	81 = ______	89 = ______	97 = ______
66 = Request Status Update	74 = ______	82 = ______	90 = ______	98 = ______
67 = Request Misc Info	75 = ______	83 = ______	91 = ______	99 = ______

ACTION UPDATES:

Action Code	Date Received/Sent	Compliance Due Date	Compliance Achieved	Date Entered in Tracking
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___
______	___/___/___ (R/S)	___/___/___	___/___/___	___/___/___

Actual site location sent 4-20-95
314 S. Main —
Lake WI 54868

NWD TRACKING UPDATE FORM

SITE NAME: Kleenair Vacuum

NEW NAME: _____

LEGAL DESCRIPTION: ____ 1/4 ___ 1/4 SECT. _____ TOWN _____ N RANGE _____ E/W

RESPONSIBLE PARTY:

Company Name: same
Contact Person: _____
Address: _____
_____
Phone Number: ____/____-_____

cc's: _____ _____
_____ _____
_____ _____
_____ _____

CONSULTANT:

Company Name: _____
Contact Name: _____
Address: _____
_____
Phone Number: ____/____-_____

SUBSTANCES:

	# Tank(s)	Size
___(1) Leaded Gas	_____	_____
___(2) Unleaded Gas	_____	_____
___(3) Diesel	_____	_____
___(4) Fuel Oil	_____	_____
___(5) Unkwn Hydrocrbn	_____	_____
___(8) Other: _____		
___(12) Waste Oil	_____	_____

IMPACTS:

___(1) Fire/Explosion Threat
___(2) Contaminated Private Well(s) #_____
___(3) Contaminated Public Well
___(4) Groundwater Contamination
___(5) Soil Contamination
___(6) Other: _____
___(7) Surface Water
___(9) Floating Product

CASE STATUS:

	Start Date	Stop Date
(E) Emergency Response	___/___/___	___/___/___
(R) LTF Emergency	___/___/___	___/___/___
(L) Long Term Monitoring	___/___/___	___/___/___

SCORE: _____

FUNDING SOURCE: _____

PRIORITY: _____

PHONE CONVERSATION RECORD

DATE: 9/30/94
TIME: 9:05

CONVERSED WITH: Brad

SUBJECT/PROJECT: Kleen air

UNIQUE ID#.:

Brad started that cost of clean up is $2000 according to [redacted] Cooper Engineering. Brad started that he didn't have $2000. Hosch stated that consultant should give Hosch a call, and that Brad should tell them to call.

Signature: James A. Hosch
(please write legibly)

REPLY MESSAGE
DOA-5185(R09/91)

REMOVE YELLOW COPY FOR YOUR FILE.
SEND REMAINDER OF FORM INTACT TO PERSON ADDRESSED.

TO: Brad Sutton, Kleanair Disposal
818 South Main Street
Rice Lake, WI 54868

FROM: Bob Hermes, WIDNR
P.O. Box 397, 1341 2nd Avenue
Cumberland, WI 54829 715/822-3590

SUBJECT-MESSAGE

Brad -

In reference to the 9-19-94 letter that you received from Judy Hayducsko, please read the enclosed appliance demanufacturing fact sheet for further information on PCB capacitors and mercury switches. For any questions that you may have on the handling and disposal of these items, please contact Dave Rafura, District Haz. Waste Specialist, at 715-635-4065.

I have been in contact with Howard Resnick regarding the spill at 818 South Main in Rice Lake. Resnick has contracted with Cooper Engineering to get the area cleaned up.

You are responsible for the cleanup of the hydraulic oil spill at 320 South Main, Rice Lake. Please hire a consultant to assess the extent and degree of the spill. The excavation should be tested for DRO and PAH to determine clean conditions. sidewalls and bottom

SIGNED _____ DATE _____

REPLY

Excavated soils may be landfilled if test results indicate, otherwise consider thermal treatment at an asphalt plant.

If you have any questions on the remediation of your spill site, or this memo, please contact me at 715-822-3590.

cc: Dave Rafura - NWD
Jim Hosch - CBL
Judy Hayducsko - CBL

SIGNED Bob Hermes DATE 9-20-94

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Cumberland Area Headquarters

P.O. Box 397
1341 2nd Ave.
Cumberland, WI 54829
Telephone 715-822-3590
Telefax 715-822-3592

September 19, 1994

File Ref: 4530-4
FID# 603076430

Mr. Brad Sutton
Kleenair Disposal
818 South Main Street
Rice Lake, WI 54868

SUBJECT: DNR Regulations regarding Appliance Salvaging

Dear Mr. Sutton:

This letter is a follow-up and partial closure for the September 1, 1994 visit to your facility from our air management, solid waste and warden personnel. On August 1, 1994, the Department received a compliant that Kleenair was incorrectly removing ozone depleting refrigerant from appliances at your 818 S. Main facility in Rice Lake, Barron County. On September 1, 1994, Judith Hayducsko, Warden Terry Brown and James Hosch from our Cumberland Office visited your facility to determine if the appliances received by you were being handled in the proper way. We discussed several complex issues with you and we want to take some time to clarify these in writing for your information.

Ozone Depleting Refrigerant

During our inspection, you showed us several (3-4) refrigerant storage tanks that were not labeled. At that time, I discussed the importance of labeling these tanks and noting the start date on the label. These tanks need to be labeled with enough information to allow an uneducated individual enough information that they do not mistake the tank for anything else.

The log currently kept for treated units only included the amount of appliances received to your facility on a certain day. At the time of our inspection, I told you that the log should indicate the model and serial number of the recaptured units. After further checking of our rule, it is clear that the model and serial number requirement is for the freon-capturing equipment. To clarify - you need to keep a log for each piece of refrigerant recovery equipment including the dates and nature of maintenance and repair of the unit. This log must include the brand, model number and serial number of the refrigerant recovery unit.

Records must also be kept on the certified individual who is recovering the freon and the types and quantities of units they salvaged. These records should include the date, type and quantity of equipment salvaged and the amount of freon recaptured. I have inclosed information from

Lance Green on example log records for this type of operation. Please feel free to revise this to suit your needs.

PCB Containing Capacitors

During our inspection, we observed an employee compacting and salvaging the relay units. The compacted units were placed into a barrel at the 818 South Main Street facility in Rice Lake. At the time of our inspection, the barrels were not clearly labeled and we discussed the need to label these. During our discussion, you stated you had not decided where this material would be going.

DNR Solid Waste personnel will be in contact with you regarding DNR regulations on this type of operation.

Mercury Containing Switches

At the time of our visit, an employee was sorting and compacting the wires around these mercury containing switches. Your final decision as to disposal of this waste had not been made. You discussed the possibility of recovering the mercury yourself instead of sending the switches to a hazardous waste landfill.

DNR Solid Waste personnel will be in contact with you to help you understand transportation and disposal requirements. If you decide to recapture any of the mercury on site, you will need to apply for an air permit prior to any construction. Mercury air emissions are regulated to protect public heath and we would have to determine if the method used for recapturing mercury would cause harmful concentrations of mercury to be emitted.

Visible Petroleum Contaminated Soils

As Jim Hosch explained to you during our visit, the two oil spills will have to be cleaned up. The first oil spill is the one at 818 South Main Street that may have been caused by oil changes by former tenants at the property. The second oil spill is the one at 320 South Main Street in Rice Lake. You mentioned this second spill may have been caused by a hydraulic fluid leak on your clam.

The oil spill at 818 South Main Street has been reported and addressed to Mr. Howard Resnick - the reported owner.

The oil spill at 320 S. Main Street in Rice Lake is your responsibility as the property owner. Either Jim Hosch or Bob Germer of the Cumberland Office will continue to assist you on your resolution of that problem.

Please call us if you have further questions on any of these matters. I have included phone numbers of District Solid Waste personnel for your information. I would be happy to discuss any questions you have regarding air concerns. Please feel free to call our office at (715) 822-3590 if we can be of any assistance.

Sincerely,

Judith A. Hayducsko

Judith A. Hayducsko
Air Management Engineer

Dave Kafura - Spooner - District Hazardous Waste Specialist (715) 635-4065
Bob Germer - Cumberland - Solid Waste Specialist - (715) 822-3590
John Spangberg - Spooner - District Recycling Specialist - (715) 635-4060
Jim Hosch - Cumberland - LUST Hydrogeologist - (715) 822-3590

cc: Complaint - AM/7
Lance Green - AM/7
Bob Germer - Solid Waste - Cumberland
Jim Hosch - LUST - Cumberland
Dave Kafura - Haz Waste - NWD
John Spangberg - Recycling - NWD
NWD Air Management Program
file

Wisconsin Department of Natural Resources

RECORDING REFRIGERANT RECOVERY FROM SALVAGED ITEMS - SUGGESTED FORMS

Anyone recovering ozone-depleting refrigerants from salvaged or dismantled equipment must comply with Chapter NR 488, Wisconsin Administrative Code. Section NR 488.06(1)(c) of that code requires that records be kept identifying the type and quantity of such equipment that is salvaged or dismantled. The notes and tables below provide suggested procedures and formats for keeping these records.

I. Salvaging vehicles with air conditioning units - As part of normal vehicle intake procedures, record each vehicle which has an air conditioning system. At that time or later, use a gauge to check the system for refrigerant pressure and note on the form (initials of person who checked system may be useful). No further records need to be made for those systems with no pressure. For those which do contain any refrigerant charge, record the name and date when evacuation is performed.

VEHICLE AC EVACUATION RECORD FOR MONTH: _____ YEAR: _____

Vehicle identity (year, make, model, identification number)	Any Pressure?		Evacuation Information	
	Yes	No	Person	Date

II. Salvaging appliances or other stationary refrigeration or air conditioning equipment - As each unit for salvage is received, record the type (refrigerator, freezer, window AC, etc.), make, model and identification number (if needed to identify unit). Note and record whether the unit appears intact or if it is obviously open (compressor cut out, lines broken, etc.). For those units with apparently intact systems, record person and date of evacuation when performed.

SALVAGED EQUIPMENT EVACUATION RECORD FOR MONTH: _____ YEAR: _____

Unit identity (type, make, model, identification number)	System Intact?		Evacuation Information	
	Yes	No	Person	Date

For more information on this form or other requirements under Chapter NR 488, contact Lance Green, DNR Bureau of Air Management, 608/264-6049.

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Cumberland Area Headquarters

P.O. Box 397
1341 2nd Ave.
Cumberland, WI 54829
Telephone 715-822-3590
Telefax 715-822-3592

September 2, 1994

NWD ID No.:
RP-1

Mr. Brad Sutton
Kleenair Disposal
818 South Main St.
Rice Lake, WI 54868

RE: Reported Contamination at Kleenair Disposal, 818 South Main St., City of Rice Lake, Barron County, Wisconsin 54868

Dear Mr. Sutton:

Soil contamination was identified along the south side of the shed on the above property on September 1, 1994. Warden Terry Brown, Judy Hayducsko, Air Management Engineer, and Jim Hosch, LUST Hydrogeologist identified this contamination when they responded to a complaint.

Based on the information received by the Department of Natural Resources, we believe you are responsible for restoring the environment at this site under Section 144.76, Wisconsin Stats., known as the hazardous substances spills law. Your responsibilities include investigating the extent of the contamination and then selecting and implementing the most appropriate remedial action. Enclosed is information to help you understand what you need to do to ensure your compliance with the spills law.

The purpose of this letter is threefold: 1) to describe your legal responsibilities, 2) to explain what you need to do to investigate and clean up the contamination, and 3) to provide you with information about cleanups. environmental consultants, possible financial assistance, and working cooperatively with the Department of Natural Resources.

Legal Responsibilities:
Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 144.76 (3) Wisconsin Statutes, states:

* RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Codes chapters NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate

actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:
The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and to neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first four steps to take:

1. By **October 1, 1994,** please submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. You will need to work quickly to meet this timeline.

2. By **November 1, 1994,** your consultant must submit a workplan and a schedule for conducting the investigation. The consultant must follow the Department's administrative codes and our technical guidance documents. Please include with your workplan a copy of any previous information that has been completed (such as an underground tank removal report or a preliminary soil excavation report).

3. Please keep us informed of what is being done at your site. You or your consultant must provide us with a brief report at least every 90 days, starting after your workplan is submitted. These quarterly reports should summarize the work completed since the last report. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. However, pleas note that should conditions at your site warrant, you may receive a letter requiring more frequent contacts with the Department. You will also receive one annual site status report form in February.

4. When the site investigation is complete, your consultant must submit a full report on the extent and degree of soil and groundwater contamination and a proposal for cleaning up the contamination.

Due to the number of contaminated sites and our staffing levels,we will be unable to respond to each report. To maintain your compliance with the spills law and chs. NR 700 through NR 728, do not delay the investigation and cleanup of your site by waiting for DNR responses. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to be familiar with our technical procedures and administrative codes and should be able to answer your questions on meeting Wisconsin's cleanup requirements.

Your correspondence and reports regarding this site should be sent to the Department at the following address:

Wisconsin Department of Natural Resources
PO Box 397
Cumberland, WI 54829
Attn: James A. Hosch

Unless otherwise requested, please send only one copy of all plans and reports. Correspondence should be identified with the assigned DNR identification number which is listed at the top of this letter.

Information for Site Owners:
Enclosed is a list of environmental consultants and some important tips on selecting a consultant. If you are eligible for reimbursement of costs under Wisconsin's PECFA program (see last paragraph) you will need to compare at least three consultants' proposals before hiring a consultant. Consultants and laboratories working in the PECFA program are required to carry errors and omissions insurance to help protect you against unsuitable work. Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. This information has been prepared to help you understand your responsibilities and what your environmental consultant needs to do. Please read this information carefully.

If you are interested in obtaining the protection of limited liability under s. 144.765, Stats., please contact Mark Giesfeldt at (608) 267-7562 or Darsi Foss at (608) 267-6713, in the Department of Natural Resources' Madison office for more information. The liability exemption under s. 144.765. Stats., is available to persons who meet the definition of "purchaser" in s. 144.765(1)(c) and receive Department approval for the response actions taken at the property undergoing cleanup. The Department will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. NR 716 site investigation at the property.

Financial Information:
Reimbursement form the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. The fund is administered by the Department of Industry, Labor, and Human Relations (DILHR). Please contact DILHR at (608) 255-2424 for more information on eligibility and regulations for this program.

If you have any questions about this letter or your responsibilities, please call me at 715-822-3590.

Sincerely,

James A Hosch /dec

James A. Hosch
Hydrogeologist
Leaking Underground Storage Program

Enclosures (delivered by hand on September 1, 1994)

cc: Tom Kendzierski, Spooner DNR
Judy Hayducsko, Air Management Engineer
Warden Terry Brown, Rice Lake

State of Wisconsin
Department of Natural Resources

ENTITY CONTACT REPORT FORM

Form 4500-94 5-84

Name of Entity	Telephone Number	FID Number
Kleenair Disposal	715-234-6296	603076430
Street or Route	**Date of Contact**	**Time of Contact**
818 South Main Street	September 1, 1994	11:45
City, State, Zip Code	**Conferred With**	**District**
Rice Lake, WI 54868	Brad Sutton	NWD

Type of Contact:

[] Conference [XX] Field Check [] Telephone Conversation [] Other

RE: Ozone-depleting Refrigerant Recovery

Judy Hayducsko, Jim Hosch, ERP Cumberland and Terry Brown, Barron County Conservation Warden visited the warehouse at 320 S. Main at about 1130am and observed approximately 45 refrigerator units behind the warehouse. Another 5 units were on the loading dock to the north of the warehouse. All the units easily visible had intact lines and one unit was missing the compressor. Terry Brown had visited the site in early August and observed cut lines on several units. These units had either been removed from the property, become concealed by other units or shipped off site. Visible oil stains were present on the ground between and around the refrigerators. The warehouse is north of the railroad tracks and south of the liquor store.

The DNR personnel then traveled to the shop at 818 South Main and spoke with Mr. Bradley Sutton and his wife, Sandra. Sutton stated that he would be doing all future Freon recapturing at the 818 S. Main location. Future salvage storage and crushing operations may occur at 1727 23rd St, Rice Lake. Sutton showed us the small garage where he is storing his freon reclaiming equipment and demanufactured parts. Sutton has three reclamation units and two of the units had storage tanks on them.

Sutton explained his recapturing procedure. First he hooks up the recapturing unit. While that is pulling to a complete vacuum, he strips the capacitors and switches that may contain mercury or PCBs. When he has a complete vacuum, he removes the reclaimer and tips the unit to try to get out any remaining oil. Sutton's operation also crushes the units to compact them prior to Lake Area Disposal transporting them to a scrap metal recycler in the Twin Cities. Sutton said he did not crush with enough force to break the compressor and therefore, no oil has leaked out during the crushing operation. The capacitors are removed prior to the crushing operation. Hayducsko stated she had heard many demanufacturing operators are removing the compressors from the units and placing them over a barrel to drain. Sutton asked if it would work to drill a hole in the bottom of the compressor. Hayducsko and Hosch explained their concern for containing the oil and suggested it would be easy to spill the oil in that type of operation. Hosch explained that placing a screen over the barrel and letting the units drain into a barrel is commonly done in situations like this.

Sutton stated that they deal with lots of appliances, thousands. They handle all the appliances for the city of Rice Lake. Currently they are tracking the units by "4 refrigerators received on XX September" and they have not been maintaining records on model and serial number. Hayducsko asked them to start writing down the model and serial number as well as what type of unit they reclaimed (freezer, air conditioner, dehumidifier or refrigerator). Hayducsko also told them to record the date, person recovering the freon and amount of refrigerant recovered. Hayducsko and Brown explained that this record keeping will help document compliance and clarify what occurred. Hayducsko and Hosch also told Sutton that the barrels and freon containers should be labeled and dated. The date should be the date when the barrel was started.

Hosch talked to Sutton about the spills at 320 S Main and at 818 S Main (to the south of the garage). Sutton said the spill at 818 S Main was due to oil changes prior to his occupancy. Sutton stated that he owns the property at 320 S Main, but Mr. Howard Resnick owns the property at 818 S. Main and Sutton rents the property from him. Hosch gave Sutton some information on how to choose a consultant and a list of consultants.

Sutton escorted the DNR personnel back to the 320 S Main property where the oil spill was examined. Sutton explained the oil observed was a hydraulic fluid leak from his clam. Apparently a clam is a truck that has a movable arm on the front of the unit. Sutton stated he lost several quarts of oil from this truck when it was parked behind the warehouse.

Sutton showed Hayducsko the freon containers he had at the warehouse. One partially full storage tank and one empty tank - both for R12 were located in a storage cabinet by the northern door. There was also a partially full freon container that had been returned because the freon in the container was mixed R12 and R22. None of these containers were dated and the only label observed was on the returned container. Several units were examined and Sutton explained that when a unit was demanufactured, an "X" was painted on the side of the unit. One unit examined had a puncture hole typical of that made by a reclaimer.

Sutton needs to know the rules for hazardous waste transport, how long he can keep the haz waste on site before it needs to be shipped off site, who he can send it to, labeling requirements and he may need further information on the spill cleanup. We may also want to inspect the area where he has been performing his crushing operations and check for visible oil contamination. Sutton should be told where is the best place to demanufacture the units to prevent any spills or accidental environmental releases. He is currently demanufacturing these units on a small concrete pad. If he moves the operation inside the storage shed would he be violating OSHA regs? Moving the operation inside would prevent spills to the gravel driveway though.

cc. Green - AM/7
Germyn/Hosch - Cumb
Spanbauer/Kafka - Spooner
Brown - Barron Warden
NWD - Air

Submitted By	Date
Judith Hayducsko	September 2, 1994


HARDY'S LIQUOR

Department of Natural Resources

ENVIRONMENTAL REPAIR PROGRAM
CASE TRACKING FORM FOR VER. 2.1
Form 4400-150

I.D. # 135

District: NW County: Barron
Site Name: Kleenair Vacuum
~~818 South Main~~ 320 S. Main
Address:
Legal Municipality: City of Rice Lake
T V C

Case No.: PMN:
FID:
Proj. Mgr: Jim Hosch
Support Person:
Legal Desc: 1/4 1/4 Sec , T , R E/W
Lat: N " . ' Long: W " . '

Date of Discovery: 8 / 1 / 94
Date of RP Contact: 9 / 1 / 94

PRIORITY SCREENING:
___ 1 = High
\ 3 = Low
___ 4 = Unknown

PRE-SCORE
___ . ___

FUNDING SOURCE:
\ 1 = RP
___ 2 = LTF
___ 3 = EF
___ 4 = SF
___ 5 = None
___ 6 = Other (Describe In Comments)
___ 7 = EPA Emergency Resp.

ENFORCEMENT AUTHORITY:
\ 1 = Spill Law s. 144.76, Wis. Stats.
___ 2 = Envir Repair Law s. 144.442, Wis. Stats.
___ 3 = Hazardous Waste Rules NR 600 Series
___ 4 = Solid Waste Rules NR 500 Series
___ 5 = CERCLA
___ 6 = Abandoned Container s. 144.77, Wis. Stat.
___ 7 = Other (Describe in Comments)

PROGRAMS INVOLVED: (L - LEAD S - SUPPORT)

___ Aban Containers
\ Lust
___ NR 600 Hazardous Waste
___ NR 500 Solid Waste
___ Spills
___ Superfund
___ Water Supply
___ Water Resources Mgt
___ Env. Repair

RESPONSIBLE PARTY:

Business Name: Kleenair Vacuum
Owner/Mgr.: Brad Sutton
Address: 818 South Main St
Rice Lake, WI 54868
Phone: 715 / 234-6272
Contact Person:

Business Name: Kleenair Vacuum
Owner/Mgr.: Brad Sutton
Address: 818 South Main
Phone: /
Contact Person:

		KNOWN IMPACTS (X)	POTENTIAL IMPACTS (X)
No Threat			
Fire/Explosion threat	(1)		
Contaminated Private Well	(2)		
Contaminated Public Well	(3)		
Groundwater Contamination	(4)		
Soil Contamination	(5)	K	
Direct Contact	(10)		
Contaminated Surface Water	(7)		
Contaminated Air	(8)		
Other	(6)		

CONSULTANT INFORMATION:

Company:
Contact Person:
Address:
Phone: /
(List additional on separate sheet & attach.)

Company:
Contact Person:
Address:
Phone: /

EPA HAZARDOUS SUBSTANCES

(Please indicate if quantities are product or contaminated soil in pounds, gallons or cubic yards.)

TYPE (Enter Code)	DISCHARGED	RECOVERED	TREATED	STORED	DISPOSED	DISPOSAL LOCATION CITY	STATE

ERP CASE STATUS

(x as appropriate)

		DATE INITATED (MM YY)	DATE COMPLETED (MM YY)	COMMENTS
	NO ACTION TAKEN			
	EMERGENCY	/	/	
	WORK PLAN APP	/	/	
	FIELD INVEST I	/	/	
	II	/	/	
	III	/	/	
	REM DESIGN	/	/	
	REM ACTION I	/	/	
	O & M I	/	/	
	REM ACTION II	/	/	
	O & M II	/	/	
	LONG TERM MONT	/	/	
	ENFORCEMENT	/	/	

EF STATE LEAD CONSULTANT COST (OPTIONAL)

CONSULTANT	CONTRACT/PURCHASE ORDER NUMBER	CONTRACT AMOUNT	AMOUNT PAID TO DATE	LAST INVOICE APPROVED DATE
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /
		$	$	/ /

Hyd. Oil -
West side - up against the bldg