03-09-000563 file

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

2004 Highland Avenue
Eau Claire, WI 54701-4346
TELEPHONE 715-839-3777
TELEFAX 715-839-1605

March 4, 1994

File Ref: 4440
Chippewa County

Mr. Steve Perrenoud
Perrenoud, Inc.
420 W. Wisconsin Street
Chippewa Falls, WI 54729

SUBJECT: Site Closure for Perrenoud, Inc. Located at 420 W. Wisconsin Street in Chippewa Falls, WI

Dear Mr. Perrenoud:

I have submitted a site closure request to our District Close-Out Committee for the above-captioned site. Based on the data submitted by Alan Bishop of Cedar Corporation, the committee recommended that this site undergo closure.

Closure is intended to mean that currently available information indicates that this site does not pose a threat to the environment. Be aware that if future data indicates that current or pre-existing activities on this site have created a threat to the environment, this Department reserves the right to request additional information and remediation.

If you have any questions concerning this letter, please contact me at (715) 839-3775.

Sincerely,

John R. Grump

John R. Grump
Hydrogeologist

JRG/ah

c: Bill Evans
Alan Bishop, Cedar

WD CASE SUMMARY AND CLOSE-OUT FORM

#563

CLOSE-OUT OPTION:(Circle one) (Committee) Fast Track

SITE NAME Perrenoud, Inc PROJECT MANAGER J. Grump

LOCATION 420 W. Wisconsin St., C. Falls PRIORITY High (Medium) Low

TYPE OF DISCHARGE (LUST) Spill Other ______ Unknown

CONTAMINATION PRESENT IN (Soil) Groundwater Other ______ Unknown

CONTAMINANT TYPE Diesel DISCHARGE VOLUME Unk

POTENTIAL RECEPTORS: ~~None~~ Surface water (Chippewa River)

DATE OF SITE DISCOVERY 11/6/90 CONSULTANT Cedar Corp

SOIL TYPE(S) Med to Cs Glacial till w/ cobbles DEPTH TO BEDROCK/ROCK TYPE N/A

DEPTH TO GROUNDWATER/DIRECTION OF FLOW N/A

CASE SUMMARY: Three UST's removed. Contaminated soil under diesel and pump island. Excavated 427 cubic yards and remediated at asphalt plant. TPH of 15 on one side wall near bottom at west edge of excavation. ND's in rest of excavation.

(Details of contamination are on the back of this page.)

COMMITTEE RECOMMENDATION:

1. CLOSE OUT APPROVAL Signatures Larry Schaefer, Douglas Joseph, Bill Evans, James E Boettcher DATE 3-3-94

OR:

2. ADDITIONAL WORK REQUIRED ~~2 borings below exc level at sample locations 3 and 6~~

DEGREE OF CONTAMINATION

SOIL:

Extent defined? (Yes) No NA

(Lab Analyses) Field Analysis No Data

Number of sampling points? 12

Contaminant Information

Contaminant	Concentration Pre-remediation	Post-remediation
TPH (diesel)	1420	<10

Remedial action taken: Soil excavated

GROUNDWATER:

Extent defined? Yes No (NA)

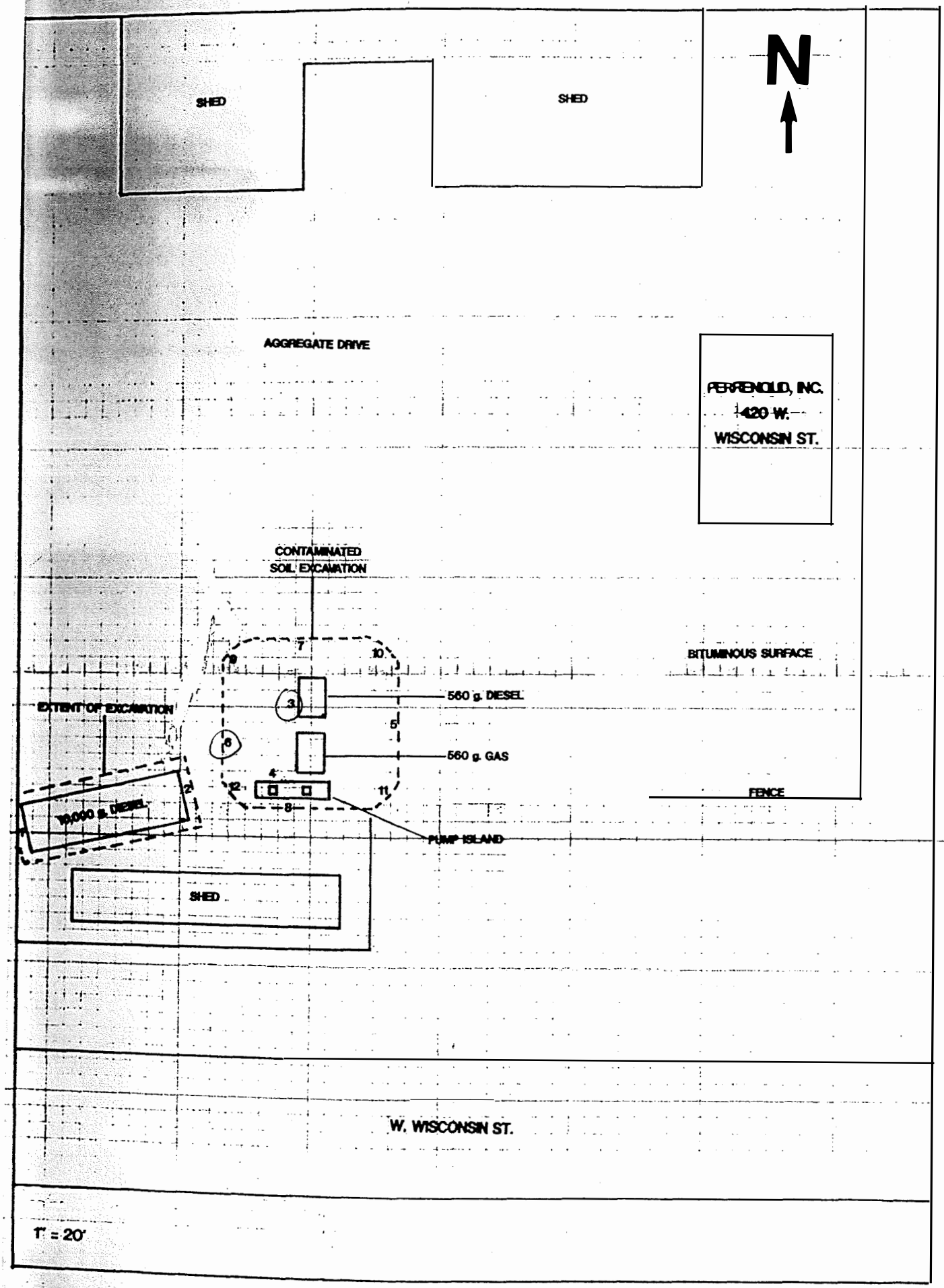
Lab Analyses Field Analysis No Data

Groundwater monitoring: Permanent Wells Yes No
Temporary Wells Yes No

Number of sampling points? _____

Contaminant	Contaminant Information Concentration Pre-remediation	Post-remediation	Applicable Standard ES	PAL

Remedial action taken:



SITE FEATURES AND SAMPLE LOCATIONS MAP

FIGURE 2

PERRENOUD, INC.

TABLE 1

SAMPLE NUMBER	LAB ID NUMBER	FIELD HEADSPACE READINGS ppm	TOTAL PETROLEUM HYDROCARBONS ppm	SAMPLE DEPTH (ft.)	SAMPLE LOCATION
1	11-5-s-2	0	≤10	12.5	W end 10,000
2	11-5-s-3	0	≤10	12.5	E end 10,000
3	11-5-s-4	120	190	6	Near 560 Diesel
4	11-5-s-5	55	1420	5.5	Near pump isle.
5	11-5-s-6	4	≤10	17	E wall exc.
6	11-5-s-7	7	15	17	W wall exc.
7	11-5-s-8	2	≤10	17	N wall exc.
8	11-5-s-9	3	≤10	17	S wall exc.
9		0	N/A	16	NW corner exc.
10		4	N/A	17	NE corner exc.
11		6	N/A	16	SE corner exc.
12		3	N/A	17	SW corner exc.

* For complete analytical reports, see Appendix C.
* Results calculated on a dry weight basis.
N/A = Not laboratory analyzed.

PERRENOUD, INC.
BTEX COMPOUNDS

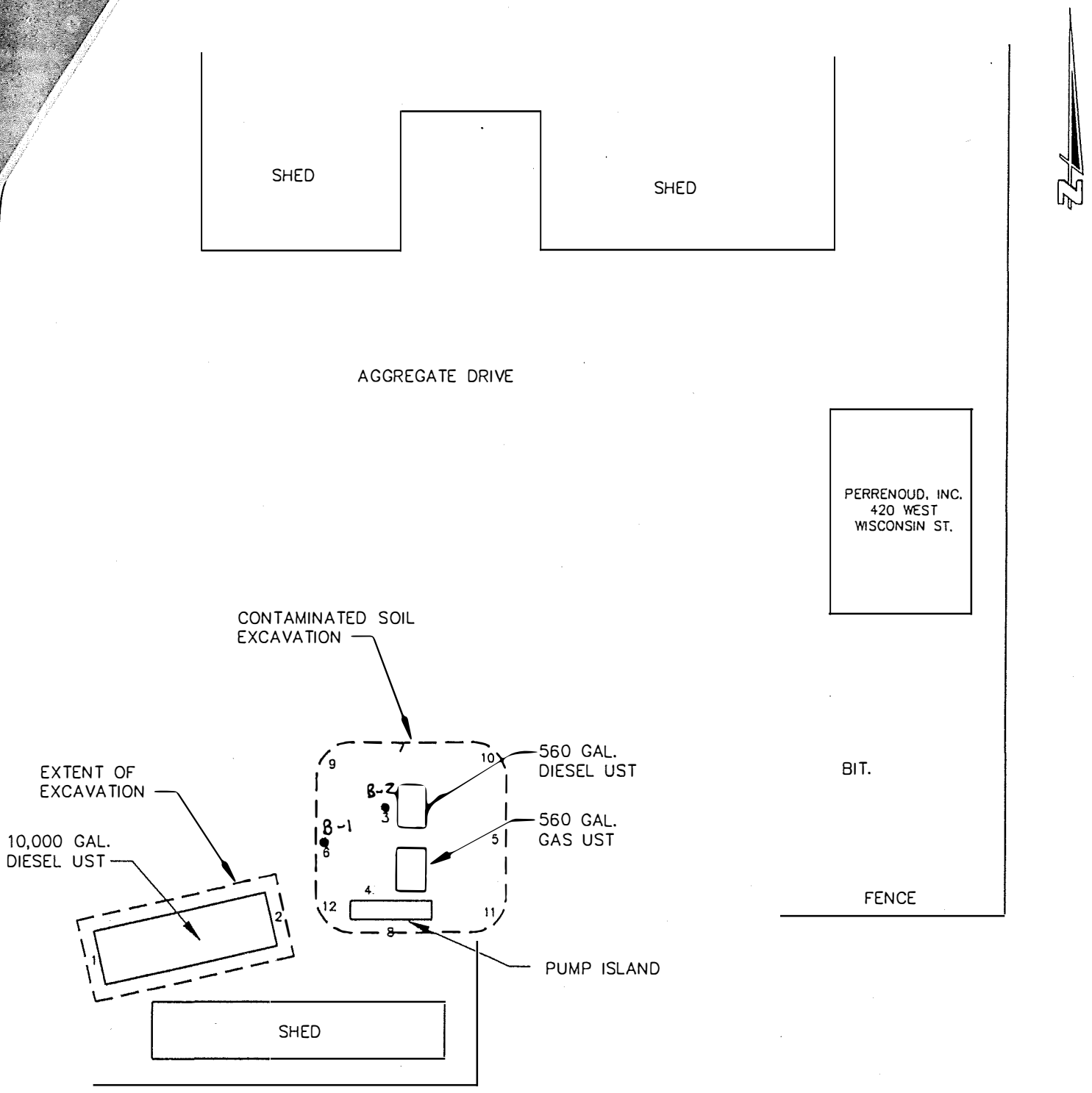
SAMPLE NUMBER	LAB ID NUMBER	BENZENE ppm	TOLUENE ppm	ETHYL-BENZENE ppm	XYLENES ppm
3	11-5-S-4	≤0.005	≤0.005	≤0.005	≤0.005
4	11-5-S-5	≤0.5	≤0.5	≤0.5	≤0.5

Table 2: *Soil Analyses (values in ppm)*

Sample Number	B-1, 19'-21'	B-2, 19'-21'
Analytical Parameter		
DRO	<10	<10
Benzene	<0.002	<0.002
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Xylenes	<0.002	<0.002
MTBE (a)	<0.002	<0.002
1,2,4 TMB (b)	<0.002	<0.002
1,3,5 TMB	<0.002	<0.002
Field Screen - IU (c)	0	0

(a) = MTBE - Tert-methyl-butyl-ether
(b) = TMB - Trimethylbenzene
(c) = Field Screen - FID, Flame Ionization Detector, values in instrument units (IU)
Complete analytical reports are attached

The results of the soil sample analyses field screening and observations of in-field conditions at the time of the soil boring assessment/investigation procedures, suggest that no additional petroleum contamination is present at the site in the area of the removed leaking diesel fuel UST and the associated contaminated soil excavation. Based on observations made in the field and the results of the soil samples collected, it is believed that no additional remediation/investigation work is required at the site and that "Clean Closure" status should be assigned to the site.



• = Soil Boring Locations.

architects engineers land surveyors planners

cedar corporation

604 wilson avenue menomonie, wisconsin 54751 715-235-9081
Fax Number 715-235-2727 WATS 800-472-7372

DRAWN BY: SJR	PROJECT TITLE: PERRENOUD, INC 420 W. WISCONSIN ST SITE FEATURES MAP	CHECKED BY: AJB
DATE: 11/10/93		JOB NO.: 1335-
REVISED BY/DATE:		FIGURE: 2
SCALE: 1" = 20'		

Department of Natural Resources
7/30/92

LEAKING UNDERGROUND STORAGE TANK (Case Tracking)
Form 4400-146 3-91

563

Site Name: Perrenoud, Inc.
PMN: _____ FID: _____
Proj Mgr: John Grump
Support Person: _____

District: WD County: Chippewa
Address: 420 W. Wisconsin St.
Chippewa Falls, WI 54729
Legal Municipality: _____
Legal Desc: _____ 1/4 _____ 1/4 Sec _____ T _____ R _____ E/W

Date of Initial Contact: 11/6/90 Date of Letter: ___/___/___ Date Site Closure Approved: 03/03/94

Status
_____ 1 = State Lead
X 2 = RP Lead

Priority Screening
_____ 1 = High
X 2 = Medium
_____ 3 = Low
_____ 4 = Unknown

Score: _____ . _____

Funding Source
X 1 = RP
_____ 2 = LTF
_____ 3 = EF
_____ 4 = SF
_____ 5 = None
_____ 6 = Other (Describe In Comments)
_____ 7 = EPA (Emergency Resp)

PECFA Review Requested
(√) _____ Yes _____ No

Date PECFA Request Received
(mm/dd/yy) ___/___/___

Lust Trust Eligible
_____ 1 = Federal
_____ 2 = Non-Federal

CASE STATUS

(√) As Appropriate	Date Initiated (mm/dd/yy)	Date Completed (mm/dd/yy)	Comments
_____ No Action Taken (N)			
_____ Emergency (E)	___/___/___	___/___/___	
_____ Emergency Response (R)	___/___/___	___/___/___	
_____ Field Investigation (I)	11/6/90	3/4/91	
_____ Remedial Action (C)	___/___/___	___/___/___	
_____ Long Term Monitoring (L)	___/___/___	___/___/___	

(√) All Appropriate	Known Impacts (√)	Potential Impacts (√)
_____ Fire/Explosion Threat (1)		
_____ Contaminated Private Well (2)		
_____ Contaminated Public Well (3)		
_____ Groundwater Contamination (4)		
_____ Soil Contamination (5)	✓	
_____ Other: (6) _____		

Substances (√)
X Leaded Gas(1)
_____ Unleaded Gas (2)
X Diesel (3)
_____ Fuel Oil (4)
_____ Unknown Hydrocarbons (5)
_____ Other (8) _____
Quantity Discharged _____
_____ VOCS (6)
_____ Pesticide (7)

Responsible party
Name: Steve Perrenoud
Address: 420 W. Wisonsin St.
Chippewa Falls, WI 54729
Telephone: 723 / 0318
(list additional on separate list and attach.)

Consultant: Cedar Corp.
Contact: Alan Bishop
Address: 604 Wilson Ave.
Menomonie, WI 54751
Telephone: 715 / 235-9081
Amount Committed: $_____ . _____
Amount Spent: $_____ . _____
(list additional on separate list and attach.)

ENFORCEMENT ACTION TAKEN

01 = Inf. Contact, Resp Initiated
02 = RP Letter, Resp Initiated
03 = NTC of Non Compliance
04 = Inf. Enf. Conf, Resp Initiated
05 = Follow-up Enf. Conf, Resp Initated
06 = Inspection Letter
07 = Response Received
08 = Adequate Response
09 = Progress Being Made
10 = Defer Enforcement
11 = Close Out
12 = Recommend NFA
13 = FWD to Secondary Enf
14 = Notice of Violation
15 = Formal Enf Conf
16 = Enf Conf. Letter
17 = Admin. Order Proposed
18 = Admin. Order Final
19 = Admin. Order Modified
20 = Admin. Order Cancelled
21 = Contest Case Hearing
22 = Draft Referral
23 = Referral to DOJ
24 = Referral to DA
25 = Referral to EPA
26 = Continuing Violation
27 = See Next Violation
28 = Site Inspection
99 = Other Action: _____

ACTION (code from above)	DATE (mm/dd/yy)	COMMENT
01	11/6/90	
99	7/2/92	Close-out denied. 3 ASTs; 427 Yd. t Penn; 15 T PH one sidewall after excavation; no mid-excavation sampling. Needs borings at base of tankbed + sampling.

(list additional on separate list and attach.)

LUST CASE PRIORITY SCREENING WORKSHEET

HIGH FACTORS: (DEFINITION: Any case which presents an actual threat to human health, or has a high potential of causing a threat to human health and property; and/or any case which has caused or has a high potential of causing substantial impacts to the soil waters and air of the State of Wisconsin.)

____ Contaminated private or public well >NR140 enf. std.
____ Explosive or toxic vapors in structures
____ Threat of fire

HIGH OR MEDIUM FACTORS: (write in choice of high or medium)
____ Floating product (medium if no receptors within 1 mile)
____ Known gw contamination (private or public well <140 enf. std.)
____ Impacted surface water - -wetland, trout stream, etc. impacted
____ Saturated soil contamination

MEDIUM FACTORS: (DEFINITION: Any case which does not appear to be an immediate threat to human health or vital natural resources but which shows levels of contamination that may cause substantial envirommental impacts if left unaddressed.)

____ Moderate (e.g. 100 - 500 ppm TPH) soil contamination with moderate potential for impacting groundwater.
____ Impacted surface water - - no critical habitat threats.

LOW FACTORS: DEFINITION: Any case where contamination has been documented, but which presents limited potential for any immediate threat to human health and vital natural resources.)

____ Soil contamination (e.g. less than 100 ppm TPH) which appears to have a limited potential for impacting groundwater.
____ Initial remedial action has substantially reduced environmental threat.

UNKNOWN FACTOR: (DEFINITION: Any case where some indication of contamination is present, but due to incomplete or inaccurate information the level of threat to human health or the environment can not be assessed at this time.)

____ Inadequate information to assign a high, medium, or low ranking.

OVERALL RANKING: The screening rank for the site along with the date of ranking. This may be updated when additional information is received. Special circumstances for a particular case may be taken into account in the comment section. The District LUST coordinator may independently set the ranking of a site based upon "special circumstances."

Circle one & date, indicate in priority screening box opposite side _____ HIGH _____ MEDIUM _____ LOW _____ UNKNOWN

Overall Site Comment: _____

NUMERICAL LUST SCORING WORKSHEET (Complete for LUST cases ranked HIGH)

1. GROUNDWATER & SOILS: (circle one)

POINTS	
20	Municipal Well
18	>5 private wells
16	4 - 6 private wells
14	2 - 3 private wells
12	1 private well

_____ SCORE

POINTS	
8	Soil & gw within 1200' of a public well
6	Soil & gw within 1200' of one or more private wells
4	GW contamination, no wells within 1200'
2	Soil contamination

*For purposes of this scoring, private well includes any non-municipal water supply system.

2. EXPLOSIVE OR TOXIC VAPORS: (circle one)

POINTS CONFIRMED	POTENTIAL	
	10	Explosive levels in a residence or building
	8	Explosive levels in a sewer or structure
12	6	Toxic levels in a residence or building

NOTE: Explosive levels determined to be >20% LEL as per an explosivity meter; toxicity levels are based on OSHA permissible exposure limits (PEL)

_____ SCORE

3. HYDROGEOLOGIC SETTING: (circle one)

POINTS	
12	Permeable stratigraphy (gravel, sand, fractured bedrock or utilities capable of intercepting and directing flow) and groundwater within 25 feet of the ground surface.
10	Permeable stratigraphy and groundwater greater than 25 feet below ground surface.
8	Moderately permeable stratigraphy (silty sands, silty gravel, clayey sands) and groundwater within 25 feet of ground surface .
6	Moderately permeable stratigraphy and groundwater greater than 25 feet below ground surface.
4	Impermeable stratigraphy (silt, clayey silt, sand clays) and groundwater within 25 feet of ground surface.
2	Impermeable stratigraphy and groundwater greater than 25 feet below ground surface.

_____ SCORE

4. TYPE OF PRODUCT: (circle one)

POINTS	
8	Gasoline, mixture of gasoline and other products, other light petroleum products.
6	Diesel, fuel oil.
2	Bunker oil, other heavy oils or crude fractions.

_____ SCORE

CASE STATUS SUMMARY

UID: 563 SITE NAME: Perrenoud, Inc.

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	
20 = Admin. Order Canceled	33 = Tnk Cls/SA Rpt Recv'd	39 = RA Work Plan Recv'd	45 = Form 4 Approved	

60 =	68 =	76 =	84 =	92 =
61 =	69 =	77 =	85 =	93 =
62 =	70 =	78 =	86 =	94 =
63 =	71 =	79 =	87 =	95 =
64 =	72 =	80 =	88 =	96 =
65 =	73 =	81 =	89 =	97 =
66 =	74 =	82 =	90 =	98 =
67 =	75 =	83 =	91 =	99 =

CASE STATUS UPDATES:

Action Code	Date Received/Sent	Compliance Due Date	Compliance Achieved	Date Entered In Tracking
47	03/12/93 (R/S) (R circled)	/ /	/ /	/ /
44	04/26/91 (R/S)	/ /	/ /	/ /
45	07/06/92 (R/S)	/ /	/ /	/ /
63	07/06/92 (R/S)	/ /	/ /	/ /
14	10/12/93 (R/S) (S circled)	/ /	/ /	/ /
~~35~~ 99	11/05/93 (R/S)	Phase II ~~RI~~ RI Work plan	/ /	/ /
99	11/12/93 (R/S)	Appv'd Phase II RI work plan	/ /	/ /
99	02/04/94 (R/S)	Phase III RI Report	/ /	/ /
44	03/08/94 (R/S)	/ /	/ /	/ /
64	03/03/94 (R/S)	/ /	/ /	/ /
45	03/31/94 (R/S)	/ /	/ /	/ /
47	12/05/94 (R/S)	/ /	/ /	/ /
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SAFETY & BUILDINGS DIVISION

201 E. Washington Avenue
P.O. Box 7969
Madison, Wisconsin 53707

State of Wisconsin
Department of Industry, Labor and Human Relations

BREAKDOWN OF PECFA COSTS

CHECK PAYABLE TO:

Perrenoud, Inc.
Attn: Stephen Perrenoud
420 W. Wisconsin Street
Chippewa Falls, WI 54729

Date: 12/06/94

Claimant: Perrenoud, Inc.
Site Location: 420 West Wisconsin Street, Chippewa Falls, WI

Claim Number: 54729-3264-20

Type of Transaction:	Comm
Amount of Claim	$ 2,163.86
Additional amount submitted	$ 0.00
Amount not eligible	$(0.00)
SUBTOTAL	$ 2,163.86
Deductible	$ 0.00
5%	$ 0.00
Percentage	100%
TOTAL PECFA PAYMENT	$ 2,163.86

Cost Center	22400	DATE OF DECISION:
Fund	72	
Obj./sub.	8025	
Project	6495	
Function	050	
Fiscal Year:	5	

Claimant's Tax Identification Number 391093825
The dollar amount authorized for reimbursement conforms to the policies and guidelines established for the fund by the Petroleum Environmental Cleanup Council.

Russell R. Haupt

Russell R. Haupt
PECFA GRANT REVIEWER
Bureau of Petroleum Inspection
and Fire Protection
Phone # (608)267-7538: FAX# (608)267-1381

cc:

Mr. Alan Bishop
Cedar Corporation
604 Wilson Ave
Menomonie, WI 54751

Mr. John Grump
WDNR
2004 Highland Ave
Eau Claire, WI 54701-3777

Perrenoud, Inc
420 West Wisconsi St
Chippewa Falls, WI 4729
#54729-3264-20

VENDOR BID/INVOICE DESCRIPTION	CLAIMANT'S CHECK NUMBER	CHECK CANCELLED Y/N	TOTAL BID/ INVOICE AMOUNT SUBMITTE	CHECK AMOUNT	(K) NON-ELIGIBLE COSTS	=TOTAL	REASON FOR INELIGIBILITIES
WTD #432180	2528	y	957.00	957.00		$957.00	
NET #46677	2578	Y	300.00	2,289.50		$300.00	
Cedar #14857	2475	Y	243.50	360.00		$243.50	
Cedar #15051	2537	Y	249.11	1,206.93		$249.11	
Cedar #15537	2626	Y	414.25	414.25		$414.25	
						$0.00	
						$0.00	
						$0.00	
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					$0.00	$2,163.86	

2,163.86	TOTAL AMOUNT SUBMITTED
0.00	ADD'L AMOUNT SUBMITTED
0.00	AMOUNT NOT ELIGIBLE
2,163.86	SUBTOTAL
0.00	DEDUCTIBLE
2,163.86	
0.00	5%
2,163.86	TOTAL AMOUNT PAID

WISCONSIN
DEPT. OF NATURAL RESOURCES
George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

2004 Highland Avenue
Eau Claire, WI 54701-4346
TELEPHONE 715-839-3777
TELEFAX 715-839-1605

March 31, 1994

File Ref: 4440
Chippewa County

Mr. Steve Perrenoud
Perrenoud, Inc.
420 West Wisconsin Street
Chippewa Falls, WI 54729

SUBJECT: Form 4 for Completed Remedial Action at Perrenoud, Inc.

Dear Mr. Perrenoud:

Enclosed you will find a signed Form 4 for the completion of the remedial action at your former underground tank location.

No Lust Trust Funds were expended at this site nor are any enforcement actions pending. This Department was properly notified upon the discovery of a contaminant release at 420 West Wisconsin Street. A copy of this letter, along with the white copy of the Form 4, must be submitted with your claim forms.

If you have any questions concerning this letter, please contact me at (715) 839-3775.

Sincerely,

John R. Grump
Hydrogeologist

JRG/ah

Enclosure

c: Bill Evans
Alan Bishop, Cedar

Wisconsin Department of Industry,
Labor and Human Relations
Safety and Buildings Division

FORM 4

DNR SITE INVESTIGATION AND REMEDIAL ACTION PLAN REVIEW

Bureau of Petroleum Inspection
and Fire Protection
P.O. Box 7969
Madison, WI 53707
(608) 267-4545
(608) 267-7538
(608) 266-9420

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that the site investigation and remedial action plan is adequate to meet requirements of s. 144.76, Wis. Stats. The DNR approval is created for the purpose of meeting the requirements of s. 101.143 (3), Wis. Stats., only and does not bar the DNR from requiring that additional investigation and/or remediation activities be performed by persons responsible under s. 144.76, Wis. Stats.

DNR Use Only

Any DNR / DOJ Enforcement Action(s) or DNR LUST Trust Expenditures on this site? ☐ Yes ☐ No

If answer is yes, please provide pertinent details on attached sheet.

Claimant's Name	Remedial Action Site Name (if business)
Perreault, Inc.	Perreault, Inc.
Street Address	**Remedial Action Site Address**
420 West Wisconsin St.	420 West Wisconsin St.
City, State, Zip Code	**City, State, Zip Code**
Chippewa Falls, WI 54729	Chippewa Falls, WI 54729
Claimant's Telephone Number	**Telephone Number of Site**
(715) 723-0318	(715) 723-0318

Claimant is
☑ Owner ☐ Operator ☐ Other - please specify:

Approval requested for: ☑ Petroleum Product Storage System ☐ Home Oil Tank System ☐ Aboveground

FOR DNR USE ONLY (Indicate Whether Completed Remedial Action or Other Action(s))

A copy of this completed document must be submitted to DNR for approval of initial activities (emergency action, site investigation and remediation) in accordance with s. 101.143 (3) (c) 4, Wis. Stats.

☒ Completed Remedial Action (complete cleanup and single claim for reimbursement) (Steps 1 through 3)

Progress Payments For:

☐ Emergency Action (Step 1 - check only if emergency action was performed)

☐ Completion of Site Investigation (Step 1) and Proposed Remedial Action Plan (Step 2)

☐ Remedial Action (Step 3)

☐ Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (Step 4)

☐ Site Investigation **By Order** of DNR And/Or DILHR - No Remedial Action

Check Appropriate Box(es)

The DNR received a request for approval of the above identified activities for the site listed on this document on the following date 3/8/94.

The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.

Remedial action activities conducted by owners/operators are not eligible for funding under 42 USC 6991 (L.U.S.T. Funding). (See s. 101.143 (3) (a) 2., Wis. Stats.)

Send one copy of this completed form to the address shown in the upper right corner and one copy to the claimant.

Reviewer's Signature John L. Grump Date Signed 3/31/94

Reviewer's Title Hydrogeologist

February 3, 1994

Mr. Steven Perrenoud
Perrenoud, Inc.
420 West Wisconsin Avenue
Chippewa Falls, WI 54729

RE: Cedar Corporation Project No: 1335-008-60

Dear Mr. Perrenoud:

An Environmental Site Assessment/Investigation has been completed at the property hereinafter called "Perrenoud, Inc." in Chippewa Falls, Wisconsin (see Figure 1-NW 1/4 of the SE 1/4 of Sec. 7, Township 28 North, Range 8 West). This work was completed to evaluate whether hydrocarbon contamination is present in the soils in the area at the base of a contaminated soil excavation, completed during the removal of a 560 gallon diesel fuel underground storage tank (UST) system present at the site. The work was completed at the request of the WDNR District Close-Out Committee (see attached letter).

The site assessment/investigation drilling work was completed on December 13, 1993, by Wisconsin Test Drilling of Schofield, Wisconsin under the direct supervision of Alan J. Bishop, Geologist, of Cedar Corporation. The assessment consisted of the completion of two (2) soil borings (see soil boring procedures attached), each to a depth of twenty-one (21) feet below surface, respectively. The borings were placed at locations specified by the WDNR (base of excavation and west wall of the excavation). The following Table presents the boring number, location, and total depth of each boring.

Table 1: *Borings Information*

Boring Number	Locations	Total Depth
B-1	West Wall of Excavation - Sample No. 6	21 feet
B-2	Base of Diesel UST Excavation - Sample No. 3	21 feet
The exact locations of borings are presented on the attached Figure 2.		

During the completion of each boring, samples were recovered at various depths as directed by the environmental specialist on location. These samples were logged, field screened, and sampled as discussed in the attached procedures. Field observations and screening of the samples did not indicate the presence of hydrocarbon contamination in the soils in either of the borings at any depth. The results of the field screening along with the soils encountered are presented on the attached soil boring logs.

Where desired, two soil samples (one for field screening, and one for laboratory analysis) were collected and sealed in glass jars having teflon lined septums. The samples collected (4) for laboratory analysis were transported in a preserved state (cooled at 4° Celsius) to a laboratory with a completed chain-of-custody document for detailed analysis (see attached chain-of-custody procedures). No ground water samples were collected as ground water was not encountered to the maximum boring depth of 21.0 feet (B-1 and B-2).

Wisconsin DNR Modified Diesel Range Organics (DRO) and Petroleum Volatile Organic Compounds (PVOC-8020) analyses were completed by NET Midwest, Rockford, IL (WDNR #999447240) on each of the two (2) samples. The DRO and PVOC methodology referenced contains specific quality control criteria as associated to the particular method. These requirements include calibration and quality control samples and are described in detail in the methods as defined in WDNR PUBL-SW-130-93.

The samples collected were at depths in each boring below the base of the excavation in native soils (Sample #3) and at the west wall of the excavation which has been found to have a 15 ppm TPH detection during the excavation/tank removal. These depths were believed to be the most likely location to detect contamination, if indeed it was present at the site. The two (2) samples analyzed for DRO did not indicate the presence of diesel fuel contamination above 10 parts per million (ppm). Levels above 10 ppm GRO in soils are considered by the WDNR to be contaminated and therefore, require an environmental cleanup to be completed. Also, PVOCs were not detected in either of the samples above the method detection limit of 2.0 parts per billion. The results of the soil sample analyses are presented in Table 2.

Table 2: *Soil Analyses (values in ppm)*

Sample Number	B-1, 19'-21'	B-2, 19'-21'
Analytical Parameter		
DRO	<10	<10
Benzene	<0.002	<0.002
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Xylenes	<0.002	<0.002
MTBE (a)	<0.002	<0.002
1,2,4 TMB (b)	<0.002	<0.002
1,3,5 TMB	<0.002	<0.002
Field Screen - IU (c)	0	0

(a) = MTBE - Tert-methyl-butyl-ether
(b) = TMB - Trimethylbenzene
(c) = Field Screen - FID, Flame Ionization Detector, values in instrument units (IU)
Complete analytical reports are attached

The results of the soil sample analyses field screening and observations of infield conditions at the time of the soil boring assessment/investigation procedures, suggest that no additional petroleum contamination is present at the site in the area of the removed leaking diesel fuel UST and the associated contaminated soil excavation. Based on observations made in the field and the results of the soil samples collected, it is believed that no additional remediation/investigation work is required at the site and that "Clean Closure" status should be assigned to the site.

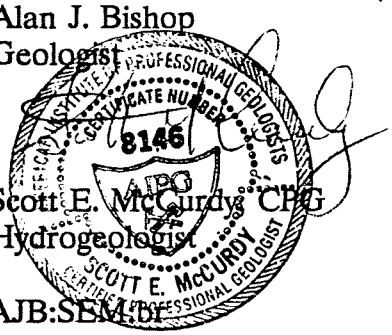
Cedar Corporation has completed or observed the completion of the services provided during this site assessment. Laboratory analyses are reported within the accuracy of the method employed. Cedar Corporation reserves the right to alter the opinions expressed herein should additional information pertaining to the environmental quality of this site become available.

Please do not hesitate to contact me or Scott McCurdy at 715/235-9081 should you have any questions regarding this project.

Yours truly,

CEDAR CORPORATION

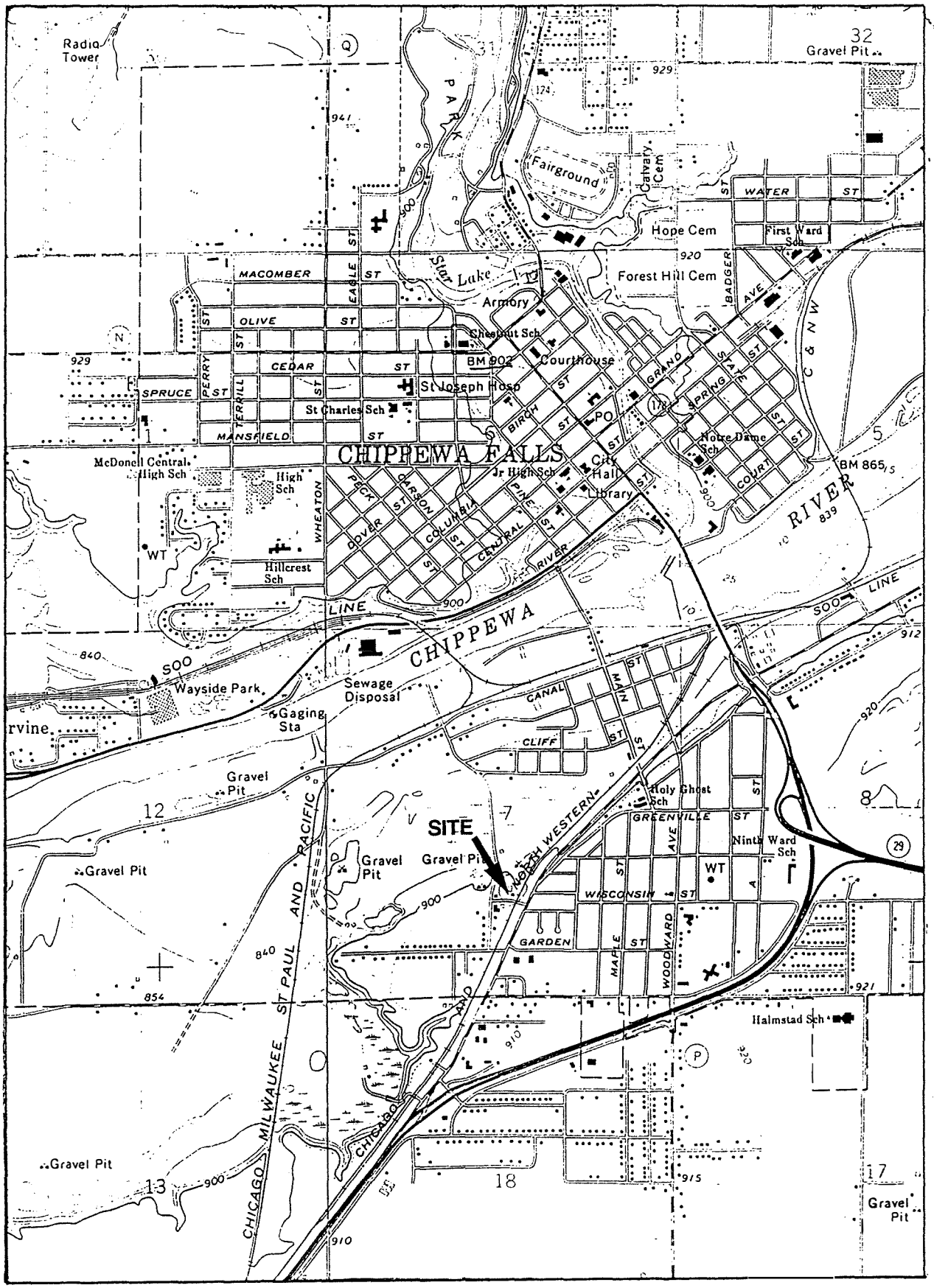
Alan J. Bishop
Geologist



Scott E. McCurdy, CPG
Hydrogeologist

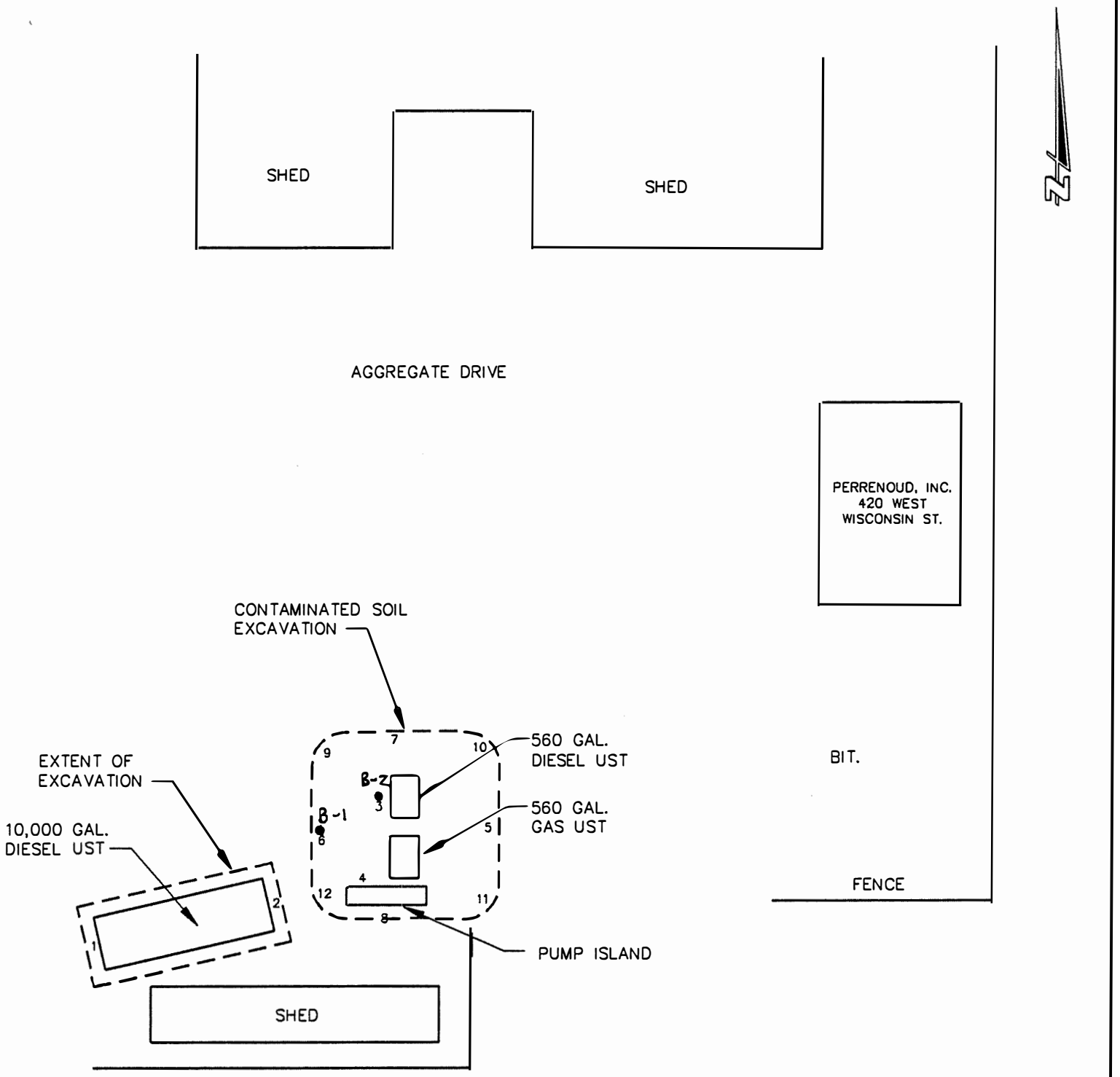
AJB:SEM:br

FIGURES 1 AND 2



SITE LOCATION MAP

FIGURE 1



• = Soil Boring Locations.

architects engineers land surveyors planners

cedar corporation

604 wilson avenue menomonie, wisconsin 54751 715-235-9081
Fax Number 715-235-2727 WATS 800-472-7372

DRAWN BY: SJR	PROJECT TITLE: PERRENOUD, INC 420 W. WISCONSIN ST SITE FEATURES MAP	CHECKED BY: AJB
DATE: 11/10/93		JOB NO.: 1335-
REVISED BY/DATE:		FIGURE: 2
SCALE: 1" = 20'		

SOIL SAMPLING
AND
SAMPLE HANDLING PROCEDURES

SOIL SAMPLING AND SAMPLE HANDLING PROCEDURES

SOIL BORINGS

Soil borings at this site were completed using 4 1/4 inch hollow stem augers (HSA) at locations as determined by the existing conditions and at the direction of the field supervisor. Soil samples were recovered using standard split spoon sampling methods. In this method, a 2 inch diameter, 24 inch sample spoon is attached to an AW rod.

When the auger has reached the desired depth, the spoon is lowered into the auger until it reaches the top of the next interval to be sampled. Using a 140 pound hammer, dropped 30 inches, the spoon is driven into the formation. A sample catcher in the tip holds the sample in the spoon. During the driving of the spoon, the number of hammer blows is noted for each six inches of advancement. These values are recorded on the driller's logs.

The sample spoon is retrieved from the boring and opened. A field geological log is completed and the soils are sampled for field screening laboratory analysis and/or sieve analysis. Prior to reuse, the sampling equipment is cleaned in a detergent solution and triple rinsed.

SAMPLE COLLECTION

Soil samples are recovered at various depths and locations as directed by the environmental specialist/geologist on location during the investigation. Samples are recovered using clean stainless steel sampling devices which are cleaned between each sampling event by personnel trained in sampling procedures.

At the desired sample location, a soil sample is immediately collected from the split spoon sampler with a clean sampling device in a one quart glass jar for field screening and, if desired, a split sample is collected in a laboratory specimen jar with a teflon lined septum for laboratory analysis. Personal protective equipment including latex disposable gloves, safety glasses, boots, hard hats, and organic vapor masks are provided as necessary as protection from potential contaminants.

TOOL CLEANING METHODS

Any tools used in a sampling event (soil or groundwater) are thoroughly cleaned between each sampling event to eliminate potential cross-contamination of samples. An Alconox and water solution and a scrub brush are used to remove residual contaminants that may

be present on the device. After all potential contaminants are believed to have been removed, the tools are triple rinsed in deionized water to remove the detergent solution. The tools are then placed on a clean surface to air dry.

SAMPLE PRESERVATION METHODS

Samples that are to be laboratory analyzed are placed in a cooler with ice to preserve the sample temperature at or just below 4° Celsius. In the laboratory, samples are stored in a refrigerated location.

FIELD SCREENING

Soil samples recovered at various depths and locations during the investigation are logged and field screened using a Photovac Microtip MP-1 PID (photoionization detector) with a 10.6eV lamp or a Flame Ionization Detector (FID). Field screening is completed using the "Headspace Method" wherein sufficient sample is placed in a one quart glass jar. The jar is tightly sealed with aluminum foil, agitated to break up the soil, and slightly warmed to encourage the release of any volatile organic compounds in the sample. After a suitable waiting period as defined in Wisconsin Administrative Code ILHR 10, the foil is pierced and the sampling probe of the instrument is introduced into the "headspace" and an analysis of the vapor in the jar is completed.

FIELD SCREENING DATA SHEET

Instrument make and model:	Foxboro - FID
Date of last factory calibration:	4-93
Date of last field calibration:	12-13-93
Site location:	420 W. Wisconsin St., Chippewa Falls, WI
Site name:	Perrenoud, Inc.
Instrument operator:	Alan J. Bishop
Weather conditions:	30°F - Cloudy
Ambient air temperature where samples are warmed:	71°F
Field cleaning or repairs:	None

SOIL SAMPLING FOR LABORATORY ANALYSES

If a soil sample is to be laboratory analyzed, a sample is taken and the sample is sealed in a glass jar having a teflon lined septum. The analytical laboratory provides clean sample jars. WDNR Analytical Guidance, April, 1992, PUBL-SW-130 92REV is used for sampling and analytical guidance for GRO and DRO analysis prior to July 26, 1993. Sampling completed after this date is completed following the revised LUST Analytical Guidance, PUBL-SW-130-93, July, 1993. The pertinent sample information is recorded on the label and the sample is transferred to a cooler to maintain a sample temperature of 4° Celsius. This information is also completed on the chain-of-custody document and the cooled sample is transported to an analytical laboratory with the completed chain-of-custody document.

LABORATORY PROCEDURES

For this project the soil samples were sent to a Wisconsin Department of Natural Resources certified laboratory, National Environmental Testing, Inc. of Rockford, IL (certification number 999-447-240). Laboratory analytical protocols as noted in the LUST Analytical Guidance (PUBL-SW-130-92REV) WDNR, April, 1992 were followed for samples collected prior to July 26, 1993. After July, 26, 1993, those analytical procedures documented in the LUST Analytical Guidance PUBL-SW-130-93, July 1993 were employed. Analytical procedures referenced in this report, are defined in the LUST Analytical Guidances and/or the EPA Methods Manual (EPA SW-846) which fully describes the procedures for each method. These procedures include specific quality control criteria as associated with the particular method. The requirements include instrument calibration and quality control samples and require daily laboratory performance tests as well as demonstrations of instrument precision and accuracy.

CHAIN-OF-CUSTODY PROCEDURES

This section describes procedures used for sample identification and chain-of-custody. The purpose of these procedures is to ensure that the integrity of the samples is maintained during their collection, transportation, storage and analysis.

Sample identification documents were carefully prepared so that sample identification and chain-of-custody was maintained and sample disposition controlled.

Sample identification documents included:

* field notebooks
* sample labels
* chain-of-custody (DNR Form 4400-151)

Each sample is labelled, physically preserved, and sealed immediately after collection. To minimize handling of sample containers, labels are filled out just prior to sample collection. The sample label is completed using waterproof ink and is firmly affixed to the sample containers. The sample label provides the following information:

* location
* sample number
* date and time of collection
* analysis required
* name of sampler

A chain-of-custody record (DNR Form 4400-151) is fully completed in duplicate by the Cedar Corporation sampler immediately following sample collection.

Transfer of Custody Shipment

The coolers in which the samples are packed are accompanied by the chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them sign, date, and note the time of transfer on the chain-of-custody record.

Laboratory Custody Procedures

A designated sample custodian accepts custody of the shipped samples and verifies that the sample identification number matches that on the chain-of-custody record. Any discrepancies are immediately noted to the sampler. A copy of the completed chain-of-custody record is retained by the laboratory until analyses are completed. The record is then returned to the site file with the analytical results.

SOIL SAMPLE
ANALYTICAL REPORTS

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151 Rev. 4-93

Printed on Recycled Paper

Note: Use of this form is voluntary but is requested by the Department pursuant to ch. NR 149, NR 500-540, NR 158 and NR 419, Wis. Adm. Code. Personally identifiable information will be used for no other purpose.

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Alan J. Bishop	Env. Spec. Cedar Corp.	715-235-9081
Property Owner	**Property Address**	**Telephone Number (include area code)**
13350008660 Perrenoud, Inc.	~~Water St.~~ W. Wisconsin St Chippewa Falls, WI	

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time	Received By (Signature)
Alan J. Bishop	12-13-93 / 3:15	
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received for Laboratory By (Signature)
		12/14/93 14:30 Mary Muller

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: Rec'd on ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
B-1, 19'-21'	12-13-93	10:45	Soil	Spl. Spoon	Temp.	0	19'-21'	DRO						
						FID IU	B-1	PVOC						130383
B-2, 19'-21'	"	11:30	"	"	"	0	19'-21'	DRO						
						FID IU	B-2	PVOC						84
														93055S0

[1] Sample description must clearly correlate the sample ID to the sampling location shown on a map.
[2] Specify groundwater, surface water, soil, leachate, sludge, etc.
[3] Type of sampling device; split spoon, hand auger, metal spatula, soil syringe, etc.

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample

Laboratory should: ☐ Dispose ☐ Retain for ____ days ☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Alan J. Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

01/04/1994

Job No: 93.05350

The following samples were received by NET for analysis:

Sample Number	Sample Description	Date Collected
130383	B-1,19'-21', Soil	12/13/1993
130384	B-2,19'-21', Soil	12/13/1993

The abbreviations and references listed below have been adopted by NET as standard conventions and are used throughout this report:

(1) Method reference from EPA SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA SW-846, 3rd Ed., September, 1986.

(2) Method reference from ASTM, "American Society for Testing Materials."

(3) Method reference from EPA "Methods for Chemical Analysis of Waters and Wastes," USEPA, EPA 600/4-79-020, revised March, 1983.

(4) Method reference from "Standard Methods for the Examination of Water and Wastewater."

(5) Method reference from EPA "Methods for the Determination of Organic Compounds in Drinking Water," USEPA, 524.2, Revised 1989

(6) EPA 40 CFR, Part 763 Appendix A to Subpart F - PLM

(7) Method reference from EPA SW-846 "Testing Methods for Evaluating Solid Waste, Physical/Chemical Methods",USEPA SW-846, Revision 1, 8260A, November 1990. Modification of method in SPCC requirements.

(8) Internal Method

NATIONAL ENVIRONMENTAL TESTING, INC.

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ANALYTICAL REPORT

Mr. Alan J. Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

01/04/1994

Job No: 93.05350
Sample No: 130383

SAMPLE DESCRIPTION: B-1,19'-21', Soil
#1335-008-60 Perrenoud Inc.
Date Collected: 12/13/1993
IEPA Cert. No.100220

Date Received: 12/14/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	96.8	%	160.3 (3)	12/21/1993

Roline Milne

Roline Milne, Operations Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

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ANALYTICAL REPORT

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01/04/1994

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Sample No: 130383

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#1335-008-60 Perrenoud Inc.
Date Collected: 12/13/1993
IEPA Cert. No.100220

Date Received: 12/14/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
PVOC - 8020				
Benzene	<2.0	ug/kg	8020 (1)	12/21/1993
Ethylbenzene	<2.0	ug/kg	8020 (1)	12/21/1993
Tert-methyl butyl ether	<2.0	ug/kg	8020 (1)	12/21/1993
Toluene	<2.0	ug/kg	8020 (1)	12/21/1993
1,2,4-Trimethylbenzene	<2.0	ug/kg	8020 (1)	12/21/1993
1,3,5-Trimethylbenzene	<2.0	ug/kg	8020 (1)	12/21/1993
Xylenes (total)	<2.0	ug/kg	8020 (1)	12/21/1993

Roline Milne, Operations Manager
Rockford Division

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ANALYTICAL REPORT

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CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

01/04/1994

Job No: 93.05350
Sample No: 130383

SAMPLE DESCRIPTION: B-1,19'-21', Soil
#1335-008-60 Perrenoud Inc.
Date Collected: 12/13/1993
IEPA Cert. No.100220

Date Received: 12/14/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
DRO Non-Aqueous Extraction	complete		WDNR	12/14/1993
WDNR-DRO	<10	mg/kg	WDNR	01/03/1994

Roline Milne

Roline Milne, Operations Manager
Rockford Division

NATIONAL
ENVIRONMENTAL
TESTING, INC.

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Rockford, IL 61109
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ANALYTICAL REPORT

Mr. Alan J. Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

01/04/1994

Job No: 93.05350
Sample No: 130384

SAMPLE DESCRIPTION: B-2,19'-21', Soil
#1335-008-60 Perrenoud Inc.
Date Collected: 12/13/1993
IEPA Cert. No.100220

Date Received: 12/14/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	97.7	%	160.3 (3)	12/21/1993

Roline Milne

Roline Milne, Operations Manager
Rockford Division

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ANALYTICAL REPORT

Mr. Alan J. Bishop
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604 Wilson
Menomonie, WI 54751

01/04/1994

Job No: 93.05350
Sample No: 130384

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#1335-008-60 Perrenoud Inc.
Date Collected: 12/13/1993
IEPA Cert. No.100220

Date Received: 12/14/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
PVOC - 8020				
Benzene	<2.0	ug/kg	8020 (1)	12/21/1993
Ethylbenzene	<2.0	ug/kg	8020 (1)	12/21/1993
Tert-methyl butyl ether	<2.0	ug/kg	8020 (1)	12/21/1993
Toluene	<2.0	ug/kg	8020 (1)	12/21/1993
1,2,4-Trimethylbenzene	<2.0	ug/kg	8020 (1)	12/21/1993
1,3,5-Trimethylbenzene	<2.0	ug/kg	8020 (1)	12/21/1993
Xylenes (total)	<2.0	ug/kg	8020 (1)	12/21/1993

Roline Milne

Roline Milne, Operations Manager
Rockford Division

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604 Wilson
Menomonie, WI 54751

01/04/1994

Job No: 93.05350
Sample No: 130384

SAMPLE DESCRIPTION: B-2,19'-21', Soil
#1335-008-60 Perrenoud Inc.
Date Collected: 12/13/1993
IEPA Cert. No.100220

Date Received: 12/14/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
DRO Non-Aqueous Extraction	complete		WDNR	12/14/1993
WDNR-DRO	<10	mg/kg	WDNR	01/03/1994

Roline Milne, Operations Manager
Rockford Division

SOIL BORING LOGS

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☑ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other ____________

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
[illegible], Inc.	— — — — — — — —	B-2

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started (MM/DD/YY)	Date Drilling Completed (MM/DD/YY)	Drilling Method
[illegible] - J. Flaminio	[illegible]	[illegible]	[illegible]

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		—	____ Feet MSL	____ Feet MSL	[illegible] inches

Boring Location
State Plane ____ N, ____ E S/C/N Lat ____
____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____ E/W Long ____

Local Grid Location (If applicable)
____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W

County	DNR County Code	Civil Town/City/ or Village
Chippewa	____	Chippewa Falls

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			0–15	Brn/Red Sand Fill										
1	15	35 44	18	Brn Fn/Med. Sand w Trc. Gravel				0						
2	17	65 76	21					0						B-2, 19-21 DRC PVOC
			21	E.O.B. 21.0'										
				*Filled w/ 8 bags Holeplug.										

Depth scale: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Alan J. Bishop Firm: Cedar Corp.

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☑ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Perrenoud Inc.	_ _ _ _ _ _ _ _	B-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started (M M / D D / Y Y)	Date Drilling Completed (M M / D D / Y Y)	Drilling Method
WTD J. Flaminio	12/13/93	12/13/93	Hollow 4-cms

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _	_ _ _ _ _ _ _ _	—	_____ Feet MSL	_____ Feet MSL	8 inches

Boring Location
State Plane _____ N, _____ E S/C/N | Lat _ _ _ _ _ _
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____ E/W | Long _ _ _ _ _ _

Local Grid Location (If applicable)
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

County	DNR County Code	Civil Town/City/or Village
Chippewa	_ _	Chippewa Falls

Sample Number	Sample Length Recovered (in)	Sample Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			3	Brn/Red Sand Fill										
			6											
			9											
			12											
			15											
1	13	5 4 6	18	Fn/Med Brn Sand w/ Trc. Gravel				0						
2	16	3 3 7 8	21					0						B-1, 19'-21' DRO PVOC
				E.O.B. 21.0'										
			24											
			27	* Filled w/ 8 bags Holeplug.										
			30											
			33											
			36											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Al J. Rhop Firm Cedar Corp.

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5W 11-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Chippewa

NW 1/4 of SE 1/4 of Sec. 7 ; T. 28 N; R. 8 ☐ E ☑ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 420 West Wisconsin St.

City, Village: Chippewa Falls

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Perfenwood, Inc.

Street or Route: 420 W. Wisconsin St.

City, State, Zip Code: Chippewa Falls, WI 54729

Facility Well No. and/or Name (If Applicable): B-1 & B-2

WI Unique Well No. _____

Reason for Abandonment: Borehole

Date of Abandonment: 12-13-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 12-13-93

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) [redacted]

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☐ No	☑ Not Applicable
Casing Left in Place?	☐ Yes	☑ No	

If No, Explain: Borehole

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☑ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☑ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Hole Plug 1" D	Surface	21	5 sacks (each)	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work: J. Flaminio - WTD

Signature of Person Doing Work: [signature] Date Signed: 2-3-94

Street or Route: 604 Wilson Ave Telephone Number: (715) 235-9081

City, State, Zip Code: Menomonie, WI 54751

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

DNR/COUNTY

WDNR LETTER

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

2004 Highland Avenue
Eau Claire, WI 54701-4346
TELEPHONE 715-839-3777

Carroll D. Besadny
Secretary

July 6, 1992

File Ref: 4440
Chippewa County

Mr. Steve Perrenoud
420 W. Wisconsin Street
Chippewa Falls, WI 54729

SUBJECT: Close-Out Committee's Recommendation for Additional Investigation at Perrenoud Inc.'s former Underground Storage Tank Site

Dear Mr. Perrenoud:

I presented the findings of the remedial investigation (RI) report to our District Close-Out Committee on July 2, 1992. The committee consists of three hydrogeologists and the district water supply supervisor. They recommended that this site needs further investigation. Specifically, they recommended borings to a depth below the fill material at sample locations 3 and 6. These locations are identified in Figure 2 of the RI report. Sample results of 190 ppm and 15 ppm of Total Petroleum Hydrocarbons respectively, were detected at these locations.

Please request that your consultant commence this additional work. The results of these borings will determine if this site can be closed or whether additional remediation is necessary.

I am enclosing a signed Form 4 for a progress payment for the Remedial Investigation. We were properly notified of the contamination at your site. No Lust Trust Funds were expended at this site nor are any enforcement actions pending. Please be aware that DILHR, not the DNR, determines PECFA eligibility. A copy of the Form 4 is being sent to DILHR along with a copy of this letter. Please be aware that future PECFA reimbursement may be contingent on the aforementioned investigatory work that must be performed at this site.

If you have any questions concerning this letter, please contact me at (715) 839-3775.

Sincerely,

John R. Grump
Hydrogeologist
JRG/jh

c: Bill Evans
Jim Boettcher
Larry Schaefer
Doug Joseph
Alan Bishop - Cedar Corp.
Miles Mickelson - DILHR

WISCONSIN
DEPT. OF NATURAL RESOURCES
George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

2004 Highland Avenue
Eau Claire, WI 54701-4346
TELEPHONE 715/839-3777
TELEFAX 715/839-1605

November 12, 1993

File Ref: 4440
Chippewa

Mr. Alan J. Bishop
Cedar Corporation
604 Wilson Avenue
Menomonie, WI 54751

SUBJECT: Review of the Phase II Remedial Investigation Work Plan for the Perrenoud, Inc. site located at 420 West Wisconsin Street, Chippewa Falls, WI

Dear Mr. Bishop:

I have reviewed the above captioned work plan. The work plan outlines additional investigation to determine the extent of contamination at two locations below the excavation depth in the former tank basin. Headspace samples will be collected at the 17 and 20 foot depths. If the field screening is negative, then a single sample from the boring terminus will be analyzed in the laboratory. A minimum of two (2) samples will be collected for laboratory analysis if field screening results indicate the presence of contamination. These samples will be analyzed for DRO and PVOC's. Since the previous investigation indicated the presence of diesel fuel as the contaminant, Flame Ionization Detector (FID) must be used to field screen all soil samples.

I am approving this work plan as amended. Please contact me at least twenty-four (24) hours before initiating this work plan. If you have any questions or comments concerning this letter, please contact me at (715) 839-3775.

Sincerely,

John R. Grump

John R. Grump
Hydrogeologist

JRG/jh

c: Bill Evans
Stephen Perrenoud

An Environmental Investigation Work Plan
Prepared on Behalf of

Perrenoud, Incorporated

for

The Perrenoud, Inc. UST Site
420 West Wisconsin Street
Chippewa Falls, WI 54729

November 4, 1993

Prepared by:

Cedar Corporation
604 Wilson Avenue
Menomonie, WI 54751
PECFA Participation #101

RI WORK PLAN
Entered on Tracking + PC
11-8-93

SIGNATURE PAGE

FOR

AN ENVIRONMENTAL INVESTIGATION WORK PLAN

PREPARED ON BEHALF OF

PERRENOUD, INCORPORATED

FOR

THE PERRENOUD, INC. UST SITE

420 WEST WISCONSIN STREET

CHIPPEWA FALLS, WI 54729

NOVEMBER 4, 1993

Author: _____ Date: 11-4-93

Alan J. Bishop
Environmental Specialist
PECFA Participation #28

Reviewer: _____ Date: 11-4-93

Scott E. McCurdy, C.P.G.
Hydrogeologist
PECFA Participation #30

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727

AN ENVIRONMENTAL INVESTIGATION WORK PLAN

A release of petroleum product was determined, in November, 1990, to have occurred from an underground storage tank at Perrenoud, Inc., 420 West Wisconsin Street in Chippewa Falls, Wisconsin. Contaminated soils were excavated from the leaking UST area and were remediated at a WDNR approved remediation facility. However, to determine if any petroleum product contamination remains at this location and in accordance with the Wisconsin DNR spill statute 144.76, an environmental investigation including the following is recommended:

I. Complete the environmental services under the direct supervision of a trained and experienced environmental investigator.

II. Scope of Investigative Work:

1. The investigation will focus on determining if petroleum contamination remains in soils through the construction of soil borings. All work will be completed within existing Administrative Codes and Investigative Guidelines.

2. Soil samples will be acquired using the methodology prescribed by the DNR as to location, number, duplication, handling, documentation and transfer. These methods include those procedures presented as Section III to this plan.

3. Field screening results of soil samples will be used to direct the investigation in the field. As these in field results are not conclusive, laboratory analyses may indicate that additional work may be necessary and an addendum to this program may be required.

4. Laboratory analyses will be employed to document the extent and magnitude of soil contamination. These analyses will be performed by a third party subcontracted analytical laboratory certified by the Wisconsin DNR under NR 149 to complete purgeable organic compound analyses. The methods employed will be as specified by the DNR in the LUST Analytical and Quality Assurance, July, 1993, Guidance, PUBL-SW-130-93. In view of the nature of the petroleum product released, the Wisconsin DNR has determined that soil samples be tested for the following substances:

   A. DRO (Diesel Range Organics)

B. PVOC's (Petroleum Volatile Organic Compounds) in soils including: benzene, ethylbenzene, methyl-tertiary-butyl ether, toluene, trimethylbenzenes and xylenes

5. As shown on the attached plan two borings are proposed. Each boring will be drilled to 20 feet of depth which is just below the maximum excavation depth of 17 feet. Sampling in each boring will be completed as per item III of this plan. Laboratory analyses will be completed as follows:

   1 DRO analysis each boring
   1 PVOC analysis each boring

6. Cedar Corporation will formally prepare and submit to the proper authorities, a letter describing the work completed, the conditions observed, as well as the results of the soil sample analyses.

7. Cedar Corporation will obtain all necessary permits necessary to complete this project.

III. Sampling Procedures During Soil Boring and Monitoring Well Construction

1. The investigation will include the collection of those soil samples as necessary for the proper evaluation of existing conditions at the site.

2. All samples will be field screened using accepted and regularly used methods. Field screening will employ the standard "headspace" method wherein a measure of total volatile organic compounds is made using a flame ionization or photoionization detector with a 10.6 eV ionization lamp.

3. The environmental investigator will acquire samples for field screening as follows:

   A. In all soils where discoloring or odor suggests contamination is present.

   B. In soil borings:

      i) one sample at the base of the excavation (17 feet).

      ii) one sample two feet below the base of the excavation.

4. The environmental investigator will acquire samples for laboratory analysis as follows:

   A. In soil borings:

      i) Where contamination is determined by field screening;

         a) one sample from that soil sample having the highest field screen value;

         b) one sample from the bottom of the soil boring.

      ii) Where contamination is not determined by field screening:

         a) one sample from the bottom of the soil boring.

5. All samples to be sent to a laboratory for analysis will be properly labelled. Each label will include:

   A. Sample identification number.

   B. Time and date of acquisition.

   C. Sample location.

   D. Analyses required.

   E. Name of sampler.

6. For all samples to be sent to a laboratory, a chain-of-custody document will be completed. This document (DNR Form 4400-151) will:

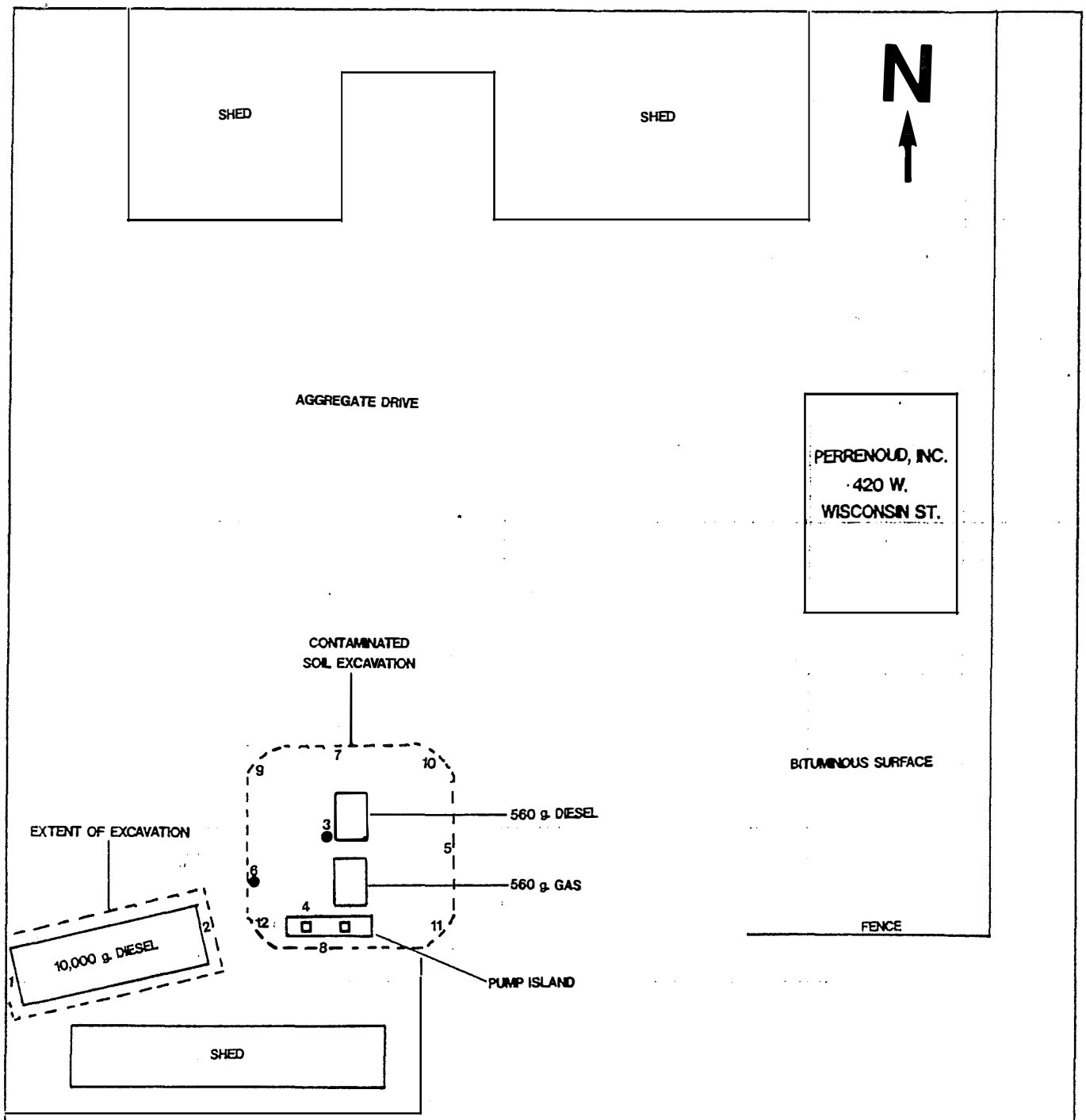
   A. Be completed in duplicate.

   B. Include that information required on sample labels.

   C. Provide sufficient space for signature, time and date of those persons relinquishing and receiving the samples.

   D. Be signed by those persons relinquishing and receiving the samples.

   E. Be kept with the sample at all times until the sample is analyzed and be returned to the sampler with sample analyses when complete.



● = *PROPOSED SOIL BORING LOCATION*

W. WISCONSIN ST.

1" = 20'

SITE FEATURES AND SAMPLE LOCATIONS MAP

FIGURE 2

CEDAR CORPORATION
604 Wilson Avenue
MENOMONIE, WISCONSIN 54751

715-235-9081 800-472-7372
FAX 715-235-2727

RECEIVED
NOV 05 1993
DNR - ECA

LETTER OF TRANSMITTAL

DATE	JOB NO.
11-4-93	
ATTENTION J. Grump	
RE: Perronaud, Inc. UST Site.	

TO WDNR
2004 Highland Ave.
Eau Claire, WI 54701-4346

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	11-4-93	1	Inv. Work Plan

THESE ARE TRANSMITTED as checked below:

☑ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☑ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19_____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

Sincerely
Alan J. Bishop

COPY TO _____

SIGNED: _____

If enclosures are not as noted, kindly notify us at once.

ENVIRONMENTAL SITE ASSESSMENT
AND
REMEDIAL ACTION
COMPLETED AT
PERRENOUD, INC.
420 WEST WISCONSIN STREET
CHIPPEWA FALLS, WISCONSIN

FEBRUARY, 1991

Prepared for:

Perrenoud, Inc.

Prepared by:

Cedar Corporation
604 Wilson Avenue
Menomonie, WI 54751

Project Number: 1335-002-00

SIGNATURE PAGE

FOR AN

ENVIRONMENTAL SITE ASSESSMENT

AND

REMEDIAL ACTION

COMPLETED AT

PERRENOUD, INC.

420 WEST WISCONSIN STREET

CHIPPEWA FALLS, WISCONSIN

February, 1991

AUTHOR: A. Bishop DATE: 3-1-91

Alan Bishop
Environmental Technician

REVIEWER: Mitch Evenson DATE: 3/1/91

Mitch Evenson
Environmental Specialist

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
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FAX 715-235-2727

TABLE OF CONTENTS

LIST OF APPENDICES

I. INTRODUCTION

Cedar Corporation of Menomonie, Wisconsin has completed an environmental site assessment and remedial action at Perrenoud, Inc. on behalf of Perrenoud, Inc. of Chippewa Falls, WI. During the removal of the UST's (underground storage tanks) in November, 1990, soil sampling and analyses defined the presence of petroleum contamination. An investigation determined that contamination was present in the soil. However, some 598 tons of soil were subsequently removed, stockpiled on site, and later processed at an asphalt plant to complete remediation.

This report documents the underground storage tank site assessment and remedial action undertaken during the fall of 1990. In keeping with the latest report format recommended by the American Institute of Professional Geologists, the Conclusions and Recommendations of these investigations are presented hereafter. For those interested in the details of the project, these are presented in Sections III through VI of this document.

II. CONCLUSIONS AND RECOMMENDATIONS

An environmental site assessment and remedial action at Perrenoud, Inc. in Chippewa Falls, Wisconsin has been completed and the results presented herein. Based on the results, the following conclusions can be made:

1. Soils at the site have been contaminated with diesel fuel above 10 parts per million total petroleum hydrocarbons - a State of Wisconsin recommended level above which soils are considered contaminated.

2. The 10,000 gallon diesel UST tank bed was not contaminated by petroleum hydrocarbons. However, diesel fuel was found to have contaminated soils near the pump island and in the tank bed of the two 560 gallon tanks.
3. Contamination appears to have originated from the product delivery piping or the couplings on the dispensing pump as well as a pinhole in the 560 gallon diesel tank.
4. The 560 gallon gasoline underground storage tank showed no signs of leakage.
5. Analysis of soil samples collected form the excavation floor indicate that significant petroleum contamination has not infiltrated to depths below 17 feet.
6. Approximately 598 tons (427 cubic yards) of contaminated soil was excavated, stockpiled on plastic at the site and later hauled to an approved asphalt plant for roasting and incorporation into asphalt.
7. Analysis of soil samples collected from the bottom and sides of the excavation show that contaminated soils were excavated to their extent except for a small area of residual contamination (15 ppm) at west limits of the excavation.
8. Groundwater, calculated to occur at approximately 45 feet of depth (ref. in Section III), was not encountered during soil excavation and is not believed to be contaminated with gasoline.
9. The excavation was backfilled with clean sand and compacted in lifts to minimize future surface damage. A final lift of crushed rock to be used as a driving surface was placed on the fill area.

Field observations and analytical results of the investigation reveal the extent of contamination was discovered and excavated to a reasonable extent in the areas indicated in Figure 2, Appendix A. Also, based on analytical results of samples collected from the bottom of the excavation, groundwater is not believed to be contaminated by diesel fuel.

It is recommended that no further remedial action be undertaken at this site and that "clean closure" status be granted for this change in tank inventory. The appropriate tank inventory forms (ILHR-SBD-7437) are presented in Appendix E.

III. SITE LOCATION AND GENERAL GEOLOGY

The property is located in the southern portion of the city limits of Chippewa Falls, Wisconsin, west of the intersection of West Wisconsin and Park Streets (see Figure 1, Appendix A). The facility is located in the Northwest 1/4 of the Southeast 1/4 of Section 7, Township 28 North and Range 8 West. A detailed site plan map indicating tank and sampling locations is presented in Figure 2, Appendix A.

The Perrenoud, Inc. property is located in an industrial setting next to the Chicago and Northwestern Railroad line on a topographic slope which drains towards an unnamed swamp and the Chippewa River to the north (see Figure 1, Appendix A). The site is located approximately 0.63 miles from permanent surface waters (Chippewa River to the north). The property was used as a heavy construction machinery storage and maintenance yard with fuel storage also located on site.

The Chippewa Falls area is underlain by alluvial and glacially derived soils of a composition varying from silty sand to coarse sands and gravels. The ground morraine is of variable thickness and is deposited on the bedrock surface. Bedrock in Chippewa County generally consists of Cambrian age formations comprised of the Mount Simon Formation sandstones. Intrusive granites of Early Proterozoic Age can also be found near the site. Neither formation was intersected during soil excavation and therefore, either presence can only be calculated. Based on the West Central Wisconsin Bedrock Geology Map, the thickness of glacial till at the Perrenoud, Inc. site is estimates to be 40 to 50 feet with the water table present at an elevation of approximately 865 feet above mean sea level. Depth from surface to the water table is on the order of 45 to 50 feet (Generalized Water Table Elevation Map of Chippewa County, Wisconsin, pub. by Wisconsin Geological and Natural History Survey, 1988).

IV. PROCEDURES

A. Site Assessment:

On November 5, 1990, Stephen Perrenoud, Jr. commenced the tank removal operation. Cedar Corporation personnel were on site to observe and direct the operation as required. The product remaining in the ten thousand (10,000) gallon diesel and two 560 gallon underground storage tanks was removed and later disposed of by Alan Bishop through Eau Claire Equipment. Volatile vapors were purged from the tanks by the addition of solid carbon dioxide (dry ice) immediately prior to removal. Perrenoud, Inc. provided the heavy equipment necessary to excavate and remove the tanks, piping, pumps, and surface preparations. Once removed and inspected, Eau Claire

Equipment cleaned the tanks on site, and in the the spring of 1991 will haul them to their service area where they will be cut up for scrap metal. The tank sludge will be taken to Waste Research and Remediation for disposal when analyses are completed. Inspection of the tanks completed after their removal did not reveal any obvious holes in the 10,000 gallon diesel and 560 gallon gasoline tanks. A hole was found in the 560 gallon diesel tank and is believed to be the source of product loss.

During the removal of the tanks and delivery piping, several soil samples were collected for field screening and some of these were shipped to a laboratory for additional analyses. Field screening was completed employing the D.N.R. recommended "Headspace Technique" and using Photovac Microtip MP-1 PID (photoionization detector) as the volatile detection device. This indicated that volatile organic compounds were present at high levels around the two 560 gallon diesel tanks and pump island area. Investigation and soil excavation with the use of a backhoe was recommended to determine the extent of contamination limits.

B. Soil Remediation:

Soils were excavated to a 17 foot depth throughout the excavation until field screening determined contamination was no longer present (less than 10 ppm). Samples were then collected along the base of the side walls to document if the extent of contamination had been overexcavated.

During excavation of the contaminated soil, medium to coarse grained glacial till with interspersed cobbles was encountered. Contamination was highest below the 560 gallon diesel tank as well as

product delivery piping suggesting the origin of the diesel leak was from the tank and/or product piping.

With the use of a photoionization detector, field screening of soils was conducted and those soils determined to be contaminated (some 598 tons or 427 cubic yards) were stockpiled on and covered with plastic to await approval to remediate at an asphalt plant.

An "Application to Treat or Dispose of Petroleum Contaminated Soil" was approved on November 27, 1990, to haul some 119 tons (85 cubic yards) of soil to the Twin Cities Materials, Inc. asphalt facility located in Chippewa Falls, Wisconsin (Appendix B). Once hauling to the plant was undertaken, it was determined that the 85 cubic yard estimate originally approved was well under the amount actually stockpiled. Another "Application" was then completed for an additional 479 tons (342 cubic yards) and approval granted on December 3, 1990 (see Appendix B).

A total of 598 tons (427 cubic yards) of contaminated soils were hauled to Twin Cities Materials, Inc., where it was placed on an asphalt surface and covered with plastic to await remediation.

Field screening of samples collected after excavation indicated hydrocarbon contamination was below 10 parts per million total volatiles on all walls and base of the excavation. Backfilling in lifts with compaction was completed using clean sand and the surface covered with crushed limerock.

V. DISCUSSION OF RESULTS

Several soil samples were collected on November 5, 1990 by Cedar Corporation personnel at those locations shown in Figure 2, Appendix A. A Photovac Microtip MP-1 PID (photoionization detector) was used

for field screening of all soil samples. Chain-of-custody documents for the samples were completed on site and accompanied them to the laboratory. Soil sampling and chain-of-custody procedures can be found in Appendix D.

Table 1 presents a breakdown of the analytical results for all soil samples collected during the remedial action phase of this project. Reference to sample identification herein is by common name given the sample to aid in discussion of results. A laboratory number is cross-referenced in the table. All laboratory reports and chain-of-custody documents are presented in Appendix C. All values are presented in units of parts per million.

Soil samples 1 and 2 were collected from each end of the 10,000 gallon diesel tank and indicated little to no contamination is present (10 ppm) in that tank bed.

Samples 3 and 4 were collected from beneath the 560 gallon diesel tank and near the pump island after soils had been stockpiled to document the concentration of hydrocarbon contamination present.

Samples 5, 6, 7, and 8 were collected from the excavation walls at floor grade and indicated little to no contamination is present, except for low levels (15 ppm) of residual contamination present in sample 6. This is believed to be a very isolated area as the sample from the east end of the 10,000 gallon diesel UST was analyzed at 10 parts per million TPH.

Based on the analytical results of the other samples collected as well as field screened samples, it is believed petroleum hydrocarbons have not impacted groundwater, which is calculated to occur at some 45 feet of depth.

PERRENOUD, INC.

TABLE 1

SAMPLE NUMBER	LAB ID NUMBER	FIELD HEADSPACE READINGS ppm	TOTAL PETROLEUM HYDROCARBONS ppm	SAMPLE DEPTH (ft.)	SAMPLE LOCATION
1	11-5-s-2	0	≤10	12.5	W end 10,000
2	11-5-s-3	0	≤10	12.5	E end 10,000
3	11-5-s-4	120	190	6	Near 560 Diesel
4	11-5-s-5	55	1420	5.5	Near pump isle.
5	11-5-s-6	4	≤10	17	E wall exc.
6	11-5-s-7	7	15	17	W wall exc.
7	11-5-s-8	2	≤10	17	N wall exc.
8	11-5-s-9	3	≤10	17	S wall exc.
9		0	N/A	16	NW corner exc.
10		4	N/A	17	NE corner exc.
11		6	N/A	16	SE corner exc.
12		3	N/A	17	SW corner exc.

* For complete analytical reports, see Appendix C.
* Results calculated on a dry weight basis.
N/A = Not laboratory analyzed.

PERRENOUD, INC.
BTEX COMPOUNDS

SAMPLE NUMBER	LAB ID NUMBER	BENZENE ppm	TOLUENE ppm	ETHYL-BENZENE ppm	XYLENES ppm
3	11-5-S-4	≤0.005	≤0.005	≤0.005	≤0.005
4	11-5-S-5	≤0.5	≤0.5	≤0.5	≤0.5

VI. LIMITATIONS

Cedar Corporation has completed the work as described within this report and warrants its contents to be factual. The analytical results reported are within the limits of methods employed to provide analyses for the various compounds tested.

No guarantee or warranty is expressed or implied of the conclusions forwarded in this report. Contamination at this site may exist at locations other than those investigated. It is also possible contamination other than petroleum hydrocarbons is present, but has not been identified.

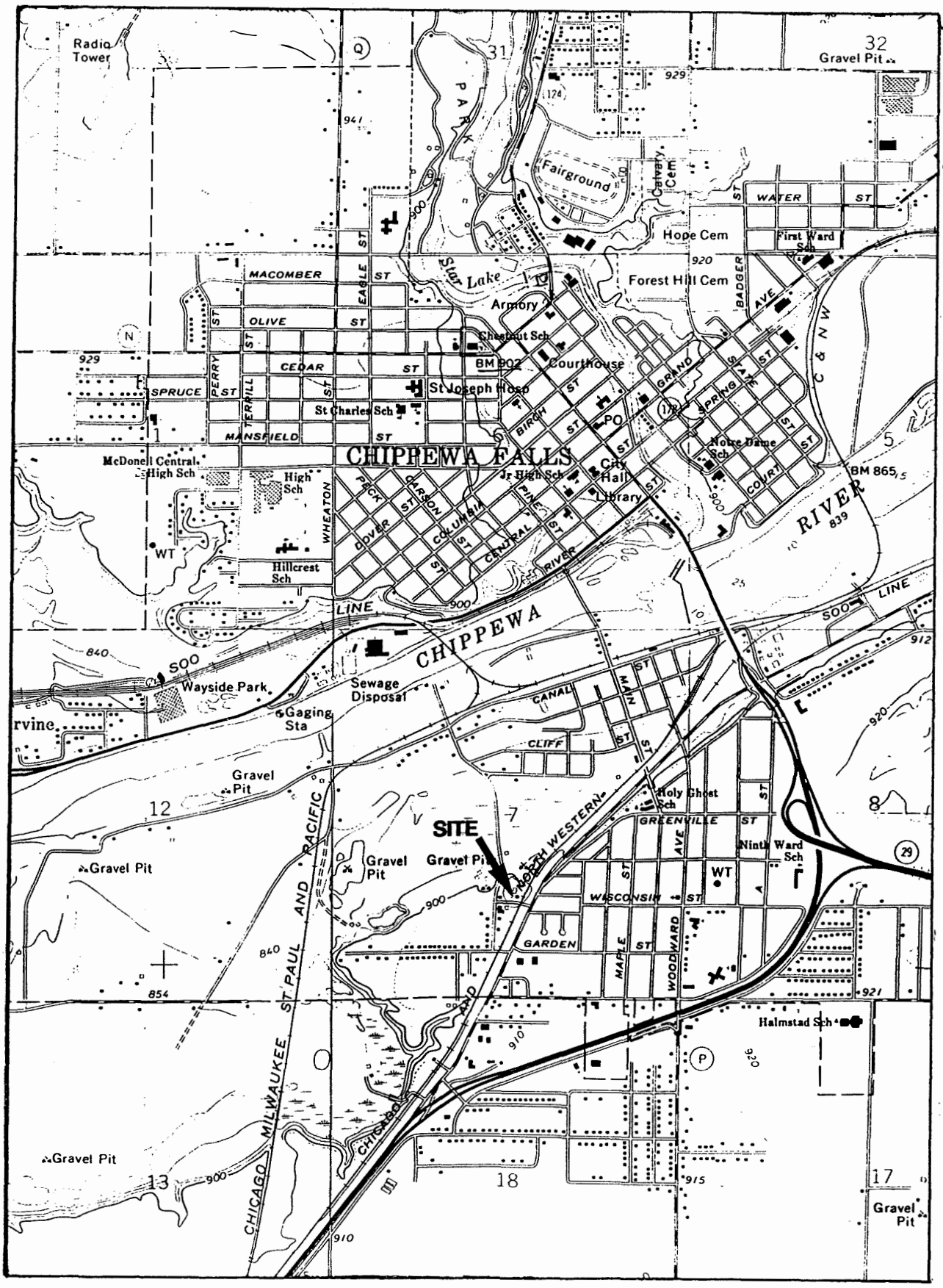
APPENDIX A

LOCATION PLANS

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727



SITE LOCATION MAP

FIGURE 1

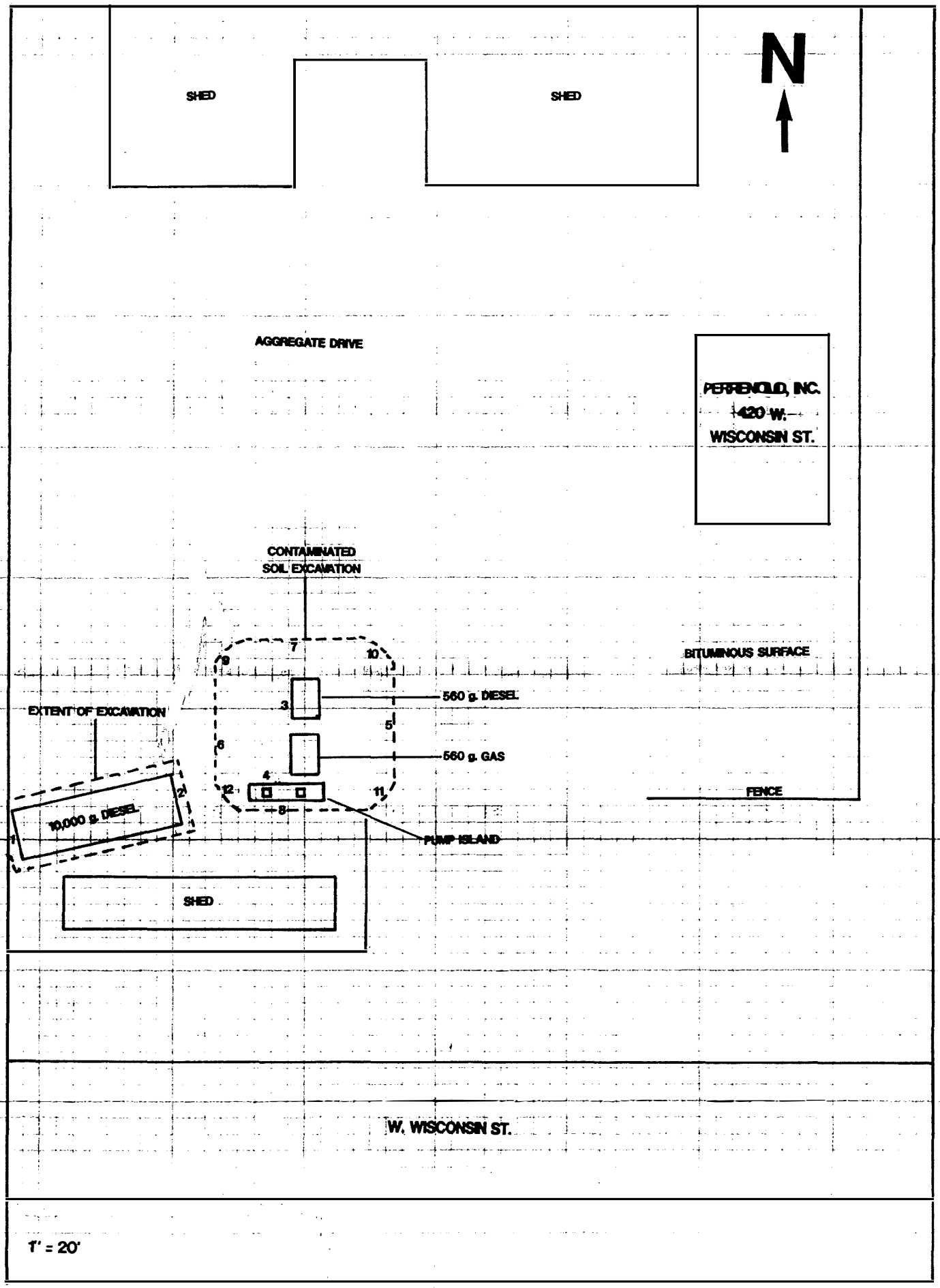


FIGURE 2

SITE FEATURES AND SAMPLE LOCATIONS MAP

APPENDIX B

"APPLICATIONS TO TREAT OR DISPOSE OF CONTAMINATED SOIL"

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727

State of Wisconsin
Department of Natural Resources

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL

Form 4400-120

This form is required to be submitted by subchapters III and IV of ch. 144, Wis. Stats. Failure to complete and submit this form may lead to violations of these statutes and result in forfeitures of not less than $10 or more than $25,000 for each violation, pursuant to ss. 144.426, 144.469, 144.74(1), and 144.99, Wis. Stats., or fines of not less than $100 or more than $150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74(2), Wis. Stats. Each day of a continuing violation constitutes a separate violation.

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

Return completed forms to: L.U.S.T. Specialist at the appropriate District or Area Office.

RECEIVED
NOV 27 1990
DNR ECA

I. SOURCE OF SOIL

Facility Name: Perrenoud, Inc.	Site ID# (For DNR use only)
Site Address: 420 W. Wisconsin Ave.	Contact Name: Steve Perrenoud
City, State, Zip Code: Chippewa Falls, WI 54729	Telephone Number (Include Area Code): 715-723-0318
Section, Township and Range: 10 B, T 28 N, R 8 W	Facility Owner/Operator Signature

II. CONTAMINATION DETAILS

Volume Soil (Cubic yards): 85 yds 3

Certified DNR Lab Number: 999447240

Type of Petroleum Contamination (Circle one)

1 Gasoline (2 Diesel Fuel) 3 #2 Fuel Oil 4 Other

Lab Name: National Environmental Testing

Sampling Method (Brief description of method used to obtain representative sample of soil): Grab

Contaminant Concentration (Two representative composite samples for every 300 cubic yards of soil, in ppm.) Attach Laboratory Analyses

Sample No.	11-5-S4	11-5-S-5
Benzene	.005	0.5
Toluene	.005	0.5
Ethylbenzene	.005	0.5
Total Xylenes	.005	0.5
Total Petroleum Hydrocarbons as Gasoline	—	—
Total Petroleum Hydrocarbons as Diesel Fuel ~~Oil~~	190	1420

Total Benzene In Soil To Be Remediated (Attach calculations): .03 lbs.

Total Amount of Petroleum Hydrocarbons In Soil to Be Remediated (Attach calculations): 95.8 lbs.

Percent Soil Less Than 200 Mesh or 74 Microns:

Soil Classification Type (Sand, silt, clay, etc.): Gravelly Sand

Anticipated Time Frame for Remediation
Start Date End Date

Method of Pulverizing Silt or Clay Soils:

III. PROPOSED METHOD OF SOIL TREATMENT

Asphalt Plant/Other Type of Thermal Evaporation Unit

Name: Senn Blacktop, Inc.

Address: 2495 W. Pederson Rd.

City, State, Zip Code: Chippewa Falls, WI 54729

(If portable, where will plant be located)

Plant Number and Model: #1 / 7-32

DNR Facility Identification Number: 609042280

Contact Name: Greg Mitchell

Title: Bus. Mgr.

Telephone Number (Include area code): 715-723-8527

Site Telephone Number (Include area code):

WDNR Air Quality Permit Number: MIN-01-80-09-014

WPDES Permit Number:

s. 144.04 Plan Approval Number or Equivalent

(Sealed ponds according to NR 213)

Distance to Nearest Residence/Business: 1400' / 3500'

Burner Temperature During Soil Treatment: 2500 °F

Soil Residence Time in Burner During Treatment: 5-6 min

Anticipated Date Treatment Will be Completed

(If stockpiled before being treated, all petroleum contaminated soil must be underlain and overlain by an impermeable membrane.)

Final Disposition of Treated Soil (How used, specific location): Incorporated into asphalt mix.

Section 1 continued on side 2

Section 1 continued.

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

Highest Emission of VOC's Intended to Occur

_____ hourly* _____ daily*

Highest Emission of Benzene Intended to Occur

_____ daily* _____ total*

*Attach Calculations

2. Volatilization of Contaminants In Soil (Passive Evaporation)

Type of Impervious Surface

Curbing or Berms (Existing or proposed construction)

Thickness of Soil Undergoing Remediation (As placed)

Techniques to Cover During Inclement Weather

Method of Turning or Mixing Soil

Method of Field Sampling

Proposed Verification Method of Contaminant Content (Lab sampling)

Location and Size of Remediation Site

Distance to Nearest Residence/Business

Highest Emission of VOC's Intended to Occur

_____ hourly* _____ daily*

Highest Emission of Benzene Intended to Occur

_____ daily* _____ total*

*Attach Calculations

3. Disposal of Contaminated Soils at a Sanitary Landfill-NR 500

Name

License No.

Location

Section 3 Continued

Contact Name

DNR Area Investigator Contacted

Name

Date

Volume to Be Disposed Of

_____ Cubic Yards

Amount Total VOCs*

Amount Benzene*

*Attach Calculations

Attach Map Showing Location of Approved Landfill

4. Soil Venting/Vacuum Extraction

Responsible Party

Consultant Responsible for System

Size and Rating (In cfm) of Blower

Distance to Nearest Residence/Business

VOC Discharge Rate From Pilot Testing

_____ lbs/day at _____ CFM

Benzene Discharge Rate From Pilot Testing

_____ lbs/day at _____ CFM

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

5. Other Method of Soil Remediation

Please Describe the Method to Be Used

V. OWNER/OPERATOR OR CONSULTANT SUBMITTING REQUEST

Company Name: Cedar Corp.

Contact Name: Alan Bishop / Scott McCardy

Address: 604 Wilson Ave.

Telephone Number (Include area code): 715-235-9081

City, State, Zip Code: Menomonie, WI 54751

Signature: Alan Bishop

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

APPLICATION

Concurrance

	Air Management	Contact Name	Date
V	Solid Waste	[illegible]	Date 11/21/92
			Date

Comments:

SOIL REMEDIATION

HYDROCARBON CONTAMINATION CALCULATIONS

1. Source of Soil

Perrenoud, Inc.
420 W. Wisconsin Ave.
Chippewa Falls, WI 54729

2. Laboratory Analyses (ppm)

	Sample Nos. 11-5-5-4	11-5-5-5					Average
TPH Gas	—	—					—
TPH ~~Fuel Oil~~ 45 Diesel	190	1420					805
Benzene	.005	0.5					.253
E-Benzene	.005	0.5					.253
Toluene	.005	0.5					.253
Xylenes (Total)	.005	0.5					.253

3. Soil Volume 85 cubic yards

4. Soil Mass = 85 yds3 x 1.4 Tons/yds3 x 2000 lbs/Ton

238,000 lbs

5. Total Benzene to be Remediated = .03 lbs

Average Benzene Content x Soil Mass x 0.5 Destruction Rate

.253 ppm x 10-6 x 238,000 lbs x 0.5 = .03

6. Total Hydrocarbons to be Remediated = 95.8 lbs

Average TPH x Soil Mass x 0.5 Destruction Rate

805 x 10-6 x 238,000 lbs x 0.5 = 95.8

architects - engineers - planners
cedar corporation
a professional service company
WATS 800-472-7372
604 wilson avenue
170 south central p.o. box 839
275 south third street p.o. box 530
menomonie, wi 54751
marshfield, wisconsin 54449
stillwater, minnesota 55082
715-235-9081
715-387-3435
612-439-4173

State of Wisconsin
Department of Natural Resources

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL

Form 4400-120 11-89

This form is required to be submitted by subchapters III and IV of ch. 144, Wis. Stats. Failure to complete and submit this form may lead to violations of these statutes and result in forfeitures of not less than $10 or more than $25,000 for each violation, pursuant to ss. 144.426, 144.469, 144.74(1), and 144.99, Wis. Stats., or fines of not less than $100 or more than $150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74(2), Wis. Stats. Each day of a continuing violation constitutes a separate violation.

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

Return completed forms to: L.U.S.T. Specialist at the appropriate District or Area Office.

RECEIVED DEC 3 1990 DNR-ECA

I. SOURCE OF SOIL

Facility Name: Perreault, Inc.

Site ID# (For DNR use only):

Site Address: 420 W. Wisconsin Ave.

Contact Name: Steve Perreault

City, State, Zip Code: Chippewa Falls, WI 54729

Telephone Number (Include Area Code): 715-723-0318

Section, Township and Range: 10B, T28N, R8W

Facility Owner/Operator Signature:

II. CONTAMINATION DETAILS

Volume Soil (Cubic yards): 342 yds³

Certified DNR Lab Number: 999447240

Type of Petroleum Contamination (Circle one)

1 Gasoline (2 Diesel Fuel) 3 #2 Fuel Oil 4 Other

Lab Name: National Environmental Testing

Sampling Method (Brief description of method used to obtain representative sample of soil): Grab

Contaminant Concentration (Two representative composite samples for every 300 cubic yards of soil, in ppm.) Attach Laboratory Analyses

Sample No.	11-5-54	11-5-5-5
Benzene	.005	0.5
Toluene	.005	0.5
Ethylbenzene	.005	0.5
Total Xylenes	.005	0.5
Total Petroleum Hydrocarbons as Gasoline	—	—
Total Petroleum Hydrocarbons as Fuel Oil	190	1420

Total Benzene In Soil To Be Remediated (Attach calculations): .12 lbs

Total Amount of Petroleum Hydrocarbons In Soil to Be Remediated (Attach calculations): 385 lbs.

Percent Soil Less Than 200 Mesh or 74 Microns:

Soil Classification Type (Sand, silt, clay, etc.): Gravelly Sand

Anticipated Time Frame for Remediation

Start Date: End Date:

Method of Pulverizing Silt or Clay Soils:

III. PROPOSED METHOD OF SOIL TREATMENT

Asphalt Plant/Other Type of Thermal Evaporation Unit

Name: Senn Blacktop, Inc.

Address: 2495 W. Pederson Rd.

City, State, Zip Code: Chippewa Falls, WI 54729

(If portable, where will plant be located)

Plant Number and Model: #1 / 7-32

DNR Facility Identification Number: 609042280

Contact Name: Greg Mitchell

Title: Bus. Mgr.

Telephone Number (Include area code): 715-723-8527

Telephone Number (Include area code):

WDNR Air Quality Permit Number: MIN-01-80-09-014

WPDES Permit Number:

s. 144.04 Plan Approval Number or Equivalent:

(Sealed ponds according to NR 213)

Distance to Nearest Residence/Business: 1400' / 3500'

Burner Temperature During Soil Treatment: 2500°F

Soil Residence Time in Burner During Treatment: 5-6 min

Anticipated Date Treatment Will be Completed:

(If stockpiled before being treated, all petroleum contaminated soil must be underlain and overlain by an impermeable membrane.)

Final Disposition of Treated Soil (How used, specific location): Incorporate into asphalt mix.

Section 1 continued on side 2

Section 1 continued.

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

Highest Emission of VOC's Intended to Occur

________ hourly* ________ daily*

Highest Emission of Benzene Intended to Occur

________ daily* ________ total*

*Attach Calculations

2. Volatilization of Contaminants In Soil (Passive Evaporation)

Type of Impervious Surface

Curbing or Berms (Existing or proposed construction)

Thickness of Soil Undergoing Remediation (As placed)

Techniques to Cover During Inclement Weather

Method of Turning or Mixing Soil

Method of Field Sampling

Proposed Verification Method of Contaminant Content (Lab sampling)

Location and Size of Remediation Site

Distance to Nearest Residence/Business

Highest Emission of VOC's Intended to Occur

________ hourly* ________ daily*

Highest Emission of Benzene Intended to Occur

________ daily* ________ total*

*Attach Calculations

3. Disposal of Contaminated Soils at a Sanitary Landfill-NR 500

Name

License No.

Location

Section 3 Continued

Contact Name

DNR Area Investigator Contacted

Name

Date

Volume to Be Disposed Of

________ Cubic Yards

Amount Total VOCs*

Amount Benzene*

*Attach Calculations

Attach Map Showing Location of Approved Landfill

4. Soil Venting/Vacuum Extraction

Responsible Party

Consultant Responsible for System

Size and Rating (In cfm) of Blower

Distance to Nearest Residence/Business

VOC Discharge Rate From Pilot Testing

________ lbs/day at ________ CFM

Benzene Discharge Rate From Pilot Testing

________ lbs/day at ________ CFM

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

5. Other Method of Soil Remediation

Please Describe the Method to Be Used

7. OWNER/OPERATOR OR CONSULTANT SUBMITTING REQUEST

Company Name: Cedar Corp.	Contact Name: Alan Bishop
Address: 604 Wilson Ave.	Telephone Number (Include area code): 715-235-9081
City, State, Zip Code: Menomonie, WI 54751	Signature: Alan Bishop

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

APPLICATION

Concurrance

		Contact Name	
	Air Management		Date
✓	Solid Waste	[signature]	Date 12/14/92
			Date

Comments:

SOIL REMEDIATION

HYDROCARBON CONTAMINATION CALCULATIONS

1. Source of Soil

Perrenoud, Inc.
420 W. Wisconsin Ave.
Chippewa Falls, WI 54729

2. Laboratory Analyses (ppm)

	Sample Nos. 11-5-S-4	11-5-S-5					Average
TPH Gas	—	—					—
TPH ~~Fuel Oil~~ Diesel	190	1420					805
Benzene	.005	0.5					.253
E-Benzene	.005	0.5					.253
Toluene	.005	0.5					.253
Xylenes (Total)	.005	0.5					.253

3. Soil Volume 342 cubic yards

4. Soil Mass = 342 yds3 x 1.4 Tons/yds^3 X 2000 Lbs/Ton
957,600 lbs

5. Total Benzene to be Remediated = .12 lbs

Average Benzene Content x Soil Mass x 0.5 Destruction Rate

.253 ppm x 10-6 x 957,600 lbs x 0.5 = .12

6. Total Hydrocarbons to be Remediated = 385 lbs

Average TPH x Soil Mass x 0.5 Destruction Rate

805 x 10-6 x 957,600 lbs x 0.5 = 385

architects - engineers - planners
cedar corporation
a professional service company
WATS 800-472-7372
604 wilson avenue
170 south central p.o. box 839
275 south third street p.o. box 530
menomonie, wi 54751
marshfield, wisconsin 54449
stillwater, minnesota 55082
715-235-9081
715-387-3435
612-439-4173

APPENDIX C

CHAIN-OF-CUSTODY AND

ANALYTICAL REPORTS

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727

CHAIN OF CUSTODY RECORD

PROJ. NO. 1335-002-00 | PROJECT NAME Perreault Inc.

SAMPLERS: (Signature) Alan Bishop

LAB NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CON-TAINERS	TPH (Diesel)	BTEX	REMARKS
83292	11-5-90	11:55		X	11-5-5-2 1	1-40z	X		3' under W end 10,000
93	11-5-90	12:00		X	11-5-5-3 2	"	X		3' under E end 10,000
94	11-5-90	14:45		X	11-5-5-4 3	"	X	X	Stockpile - Near 560 gall Diesel
95	11-5-90	14:50		X	11-5-5-5 4	"	X	X	Stockpile - Near Pump Isl.
96	11-5-90	14:30		X	11-5-5-6 5	"	X		17' depth E wall exc.
97	11-5-90	14:35		X	11-5-5-7 6	"	X		17' depth W wall exc.
98	11-5-90	14:45		X	11-5-5-8 7	"	X		17' depth N wall exc.
83299	11-5-90	14:50		X	11-5-5-9 8	"	X		17' depth S wall exc.
JOB # 90-3309									

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
Alan Bishop	11-6-90 11:20		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	
	11/7/90 11:30	Lori A. Bruce	

Remarks

Report to:
Name Cedar Corp.
Street 604 Wilson Ave.
City Menomonie State WI Zip 54751
Phone no. (715) 235-9081

Remarks
Attn: Al Bishop / Mitch Evenson

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83292
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-2, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Solids, Total	97.89	%
Tot. Pet. Hydrocarbons	<10.	mg/kg

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83293
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-3, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Solids, Total	97.44	%
Tot. Pet. Hydrocarbons	<10.	mg/kg

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83294
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-4, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Solids, Total	94.46	%

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83294
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-4, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

UST VOLATILE COMPOUNDS - 8240

Benzene	<5.0	ug/kg
Ethylbenzene	<5.0	ug/kg
Toluene	<5.0	ug/kg
Xylenes	<5.0	ug/kg

Brian Wanner, Manager
Rockford Division

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TESTING, INC.

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Rockford Division
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Rockford, IL 61109
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Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83294
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-4, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Tot. Pet. Hydrocarbons	190. (As Diesel)	mg/kg

Brian Wanner, Manager
Rockford Division

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ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83295
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-5, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Solids, Total	94.79	%

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

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ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83295
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-5, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

UST VOLATILE COMPOUNDS - 8240

Benzene	<500.	ug/kg
Ethylbenzene	<500.	ug/kg
Toluene	<500.	ug/kg
Xylenes	<500.	ug/kg

Brian Wanner, Manager
Rockford Division

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NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83295
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-5, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Tot. Pet. Hydrocarbons	1420. (As Diesel)	mg/kg

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83296
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-6, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Solids, Total	97.81	%
Tot. Pet. Hydrocarbons	<10.	mg/kg

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83297
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-7, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Solids, Total	97.99	%
Tot. Pet. Hydrocarbons	15. (As Diesel)	mg/kg

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83298
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-8, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Solids, Total	98.03	%
Tot. Pet. Hydrocarbons	<10.	mg/kg

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83299
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-9, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Solids, Total	96.95	%
Tot. Pet. Hydrocarbons	<10.	mg/kg

Brian Wanner, Manager
Rockford Division

APPENDIX D

SOIL SAMPLING AND

CHAIN-OF-CUSTODY PROCEDURES

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727

SOIL SAMPLING PROCEDURES

A Photovac Microtip MP-1 PID (photoionization detector) was used for field screening of all soil samples. The "Headspace Technique" was employed to determine values of total volatile content as measured against a 100 parts per million isobutyl level standard. The samples that produced the highest PID readings were placed in laboratory supplied four ounce glass jars with Teflon lined septums. They were then placed in a cooler, cooled to 4 degrees Celsius and shipped to a laboratory for analysis.

The soil samples were sent to National Environmental Testing, Inc., a Wisconsin Department of Natural Resources certified laboratory (Certification No. 999447240) for analysis of the TPH (total petroleum hydrocarbons) as gasoline. Selected samples were also analyzed for BTEX (benzene, toluene, ethylbenzene, and xylenes) compounds. TPH analyses were completed utilizing the California Method which employs a gas chromatograph with a capillary column and a flame ionization detector. BTEX analyses were also completed using the EPA Method 8240.

Methodology references contain specific QC criteria associated with particular methods. These specific requirements include calibration, quality control samples, and are described in detail in the Methods listed in EPA document SW-846. Daily performance tests and a demonstration of precision and accuracy are required by the analytical laboratory.

CHAIN OF CUSTODY PROCEDURES

This section describes procedures used for sample identification and chain of custody. The purpose of these procedures is to ensure that the integrity of the samples is maintained during their collection, transportation, storage and analysis.

Sample identification documents were carefully prepared so that sample identification and chain of custody was maintained and sample disposition controlled. Sample identification documents included:

* Field Notebooks
* Sample Labels
* Chain of Custody

Each sample was labeled, physically preserved, and sealed immediately after collection. To minimize handling of sample containers, labels were filled out prior to sample collection. The sample label was completed using waterproof ink and was firmly affixed to the sample containers. The sample label provided the following information:

* Location
* Sample Number
* Date and Time of Collection
* Analysis Required
* Name of Sampler

A chain of custody record was fully completed in duplicate by the Cedar Corporation sampler immediately following sample collection.

TRANSFER OF CUSTODY SHIPMENT

The coolers in which the samples were packed were accompanied by the chain of custody record. When transferring samples, the

individuals relinquishing and receiving them signed, dated, and noted the time on the chain of custody record.

LABORATORY CUSTODY PROCEDURES

A designated sample custodian accepted custody of the shipped samples and verified that the sample identification number matched that on the chain of custody record. A copy of the completed chain of custody record was retained by the laboratory until analyses were completed. The record was then transferred to the site file with the analytical results.

APPENDIX E

UNDERGROUND PETROLEUM PRODUCT

TANK INVENTORY

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7. ☐ Out of Service
8. ☐ Changed Ownership (Indicate new owner in section A. 4. below)

Fire Department Providing Fire Coverage Where Tank Is Located Is In:
☒ City ☐ Village ☐ Town of Chippewa Falls

A. IDENTIFICATION: (Please Print)

1. Installation Name: Perreault, Inc.
2. Mailing Name if Different Than #1:

Installation Street Address: 420 W. Wisconsin Ave
Mailing Address if Different Than #1:

☒ City ☐ Village ☐ Town of: Chippewa Falls
☐ City ☐ Village ☐ Town of:

State: WI | Zip Code: 54729 | County: Chippewa
State: | Zip Code: | County:

3. Name of Contact Person: Steve Perreault
4. Owner Name if Different Than #3:

Street Address: 420 W. Wisconsin Ave.
Street Address:

☒ City ☐ Town ☐ Village of: Chippewa Falls | State: WI | Zip Code: 54729
☐ City ☐ Town ☐ Village of: | State: | Zip Code:

County: Chippewa | Telephone No. (include area code): 715-723-0318
County: | Telephone No. (include area code):

5. Tank Age (date installed, if known: or years old):
6. Tank Capacity (gallons): 560
7. Tank Manufacturer's Name (if known):

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☐ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☒ Other (specify): Personal Business Use

C. TANK CONSTRUCTION:

1. ☐ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current)
3. ☒ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:
Is Tank Double Walled? ☐ Yes ☒ No

Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type:
Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present

D. PIPING CONSTRUCTION

1. ☒ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: a. ☐ auto shutoff; b. ☐ alarm; or c. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank 3. ☒ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring 3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other:
Double Walled: ☐ Yes ☒ No

E. TANK CONTENTS

1. ☒ Diesel
2. ☐ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Abandoned, Give Date (mo/day/yr): 11-5-90

Has a site assessment been completed? (see reverse side for details) ☒ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Signature of Person Completing Report: Alan Bishop

Date Signed: 11-9-90

SBD-7437 (R. 09/89)

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7. ☐ Out of Service
8. ☐ Changed Ownership (Indicate new owner in section A. 4. below)

Fire Department Providing Fire Coverage Where Tank Is Located Is In:
☒ City ☐ Village ☐ Town of
Chippewa Falls

A. IDENTIFICATION: (Please Print)

1. Installation Name	2. Mailing Name if Different Than #1
Perrenoud, Inc.	
Installation Street Address: 420 W. Wisconsin Ave.	Mailing Address if Different Than #1
☒ City ☐ Village ☐ Town of: Chippewa Falls	☐ City ☐ Village ☐ Town of:
State: WI / Zip Code: 54729 / County: Chippewa	State / Zip Code / County
3. Name of Contact Person: Steve Perrenoud	4. Owner Name if Different Than #3
Street Address: 420 W. Wisconsin Ave	Street Address
☒ City ☐ Town ☐ Village of: Chippewa Falls / State: WI / Zip Code: 54729	☐ City ☐ Town ☐ Village of: / State / Zip Code
County: Chippewa / Telephone No. (include area code): 715-723-0318	County / Telephone No. (include area code)
5. Tank Age (date installed, if known: or years old)	6. Tank Capacity (gallons): 560 / 7. Tank Manufacturer's Name (if known)

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☐ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☒ Other (specify): Personal Business Use

C. TANK CONSTRUCTION:

1. ☐ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current)
3. ☒ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:
Is Tank Double Walled? ☐ Yes ☒ No
Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type:
Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present

D. PIPING CONSTRUCTION

1. ☒ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: a. ☐ auto shutoff; b. ☐ alarm; or c. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank 3. ☒ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring 3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'lStd 2. ☐ UL 3. ☐ Other:
Double Walled: ☐ Yes ☒ No

E. TANK CONTENTS

1. ☐ Diesel
2. ☒ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Abandoned, Give Date (mo/day/yr):	Has a site assessment been completed? (see reverse side for details)
11-5-90	☒ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Signature of Person Completing Report:	Date Signed:
Alan Bishop	11-9-90

SBD-7437 (R. 09/89)

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7. ☐ Out of Service
8. ☐ Changed Ownership (Indicate new owner in section A. 4. below)

Fire Department Providing Fire Coverage Where Tank Is Located Is In:
☒ City ☐ Village ☐ Town of Chippewa Falls

A. IDENTIFICATION: (Please Print)

1. Installation Name: Perrenoud, Inc.
Installation Street Address: 420 W. Wisconsin Ave.
☒ City Chippewa Falls ☐ Village ☐ Town of:
State: WI Zip Code: 54729 County: Chippewa
3. Name of Contact Person: Steve Perrenoud
Street Address: 420 W. Wisconsin Ave.
☒ City ☐ Town ☐ Village of: Chippewa Falls State: WI Zip Code: 54729
County: Chippewa Telephone No. (include area code): 715-723-0318

2. Mailing Name if Different Than #1
Mailing Address if Different Than #1
☐ City ☐ Village ☐ Town of:
State Zip Code County
4. Owner Name if Different Than #3
Street Address
☐ City ☐ Town ☐ Village of: State Zip Code
County Telephone No. (include area code)

5. Tank Age (date installed, if known: or years old)
6. Tank Capacity (gallons): 10,000
7. Tank Manufacturer's Name (if known)

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☐ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☒ Other (specify): Personal Business Use

C. TANK CONSTRUCTION:

1. ☐ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current)
3. ☒ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:
Is Tank Double Walled? ☐ Yes ☒ No
Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type:
Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present

D. PIPING CONSTRUCTION

1. ☒ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: a. ☐ auto shutoff; b. ☐ alarm; or c. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank 3. ☒ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring 3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other:
DoubleWalled: ☐ Yes ☒ No

E. TANK CONTENTS

1. ☒ Diesel
2. ☐ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Abandoned, Give Date (mo/day/yr): 11-5-90
Has a site assessment been completed? (see reverse side for details) ☒ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Signature of Person Completing Report: Alan Bishop
Date Signed: 11-9-90

SBD-7437 (R. 09/89)

February 26, 1991

Wisconsin D.N.R.
Attn: John Grump
2004 Highland Avenue
Eau Claire, WI 54701-4346

Dear John:

Enclosed are two copies of the Underground Storage Tank Closure Report for the Perrenoud, Inc. site in Chippewa Falls, WI.

We would appreciate it if you would accept our recommendations that no further remedial action be completed at the site.

If you have any questions, please feel free to contact me or Mitch Evenson at 1-800-472-7372.

Sincerely,

CEDAR CORPORATION

Alan Bishop

AB/br

Enclosure

cc: DILHR - Madison
Steve Perrenoud - Owner

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727

File

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

2004 Highland Avenue
Eau Claire, WI 54701-4346
TELEPHONE 715-839-3777
TELEFAX 715-839-1605

October 12, 1993

File Ref: 4440
Chippewa County
CERTIFIED MAIL

Mr. Steve Perrenoud
420 W. Wisconsin
Chippewa Falls, WI 54729

SUBJECT: NOTICE OF VIOLATION - Further Investigatory Work at Perrenoud, Inc. Located in Chippewa Falls, WI

Dear Mr. Perrenoud:

On July 6, 1992, correspondence was received by you regarding the recommendation for additional investigatory work at Perrenoud, Inc.

Because sample results of 190 ppm and 15 ppm of Total Petroleum Hydrocarbons were detected, the District Close-Out Committee recommended further testing be conducted. As of today, October 4, 1993, my files indicate that I have not received results of the recommended borings at sample locations 3 and 6. Please instruct your consultant to keep me informed of the remediation progress and submit the requested information.

Failure to commence the aforementioned investigation will result in a formal enforcement action against you. This enforcement will include an Administrative Order and possible referral to the Attorney General's office for prosecution. It is our hope that this will not be necessary.

If you have any questions concerning this letter, please contact me at (715) 839-3775.

Sincerely,

John R. Grump

John R. Grump
Hydrogeologist

JRG/ah

c: Bill Evans
Alan Bishop, Cedar
Darrell Solberg

UNITED STATES POSTAL SERVICE

EAU CLAIRE, WI

Official Business

EAU CLAIRE, WI 547 PM 18 OCT 1993

RECEIVED

OCT 19 1993

DNR - ECA

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

U.S. MAIL

Print your name, address and ZIP Code here

Mr. John R. Grump – DNR
Eau Claire Area Office
2004 Highland Avenue
Eau Claire, WI 54701

cml

P 384 224 765

PS Form **3800**, June 1991

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	Mr. Steve Perrenoud
Street and No.	420 W. Wisconsin
P.O., State and ZIP Code	Chippewa Falls, WI 54729
Postage	$ .29
Certified Fee	
Special Delivery Fee	2.00
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$ 2.29
Postmark or Date	October 12, 1993

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Steve Perrenoud
420 W. Wisconsin
Chippewa Falls, WI 54729

4a. Article Number
P 384 224 765

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
10-18-93

5. Signature (Addressee)
Irma P. Hurt

6. Signature (Agent)
Perrenoud Inc

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

PS Form **3811**, December 1991 ☆U.S. GPO: 1992—323-402 **DOMESTIC RETURN RECEIPT**

SAFETY & BUILDINGS DIVISION

201 E. Washington Avenue
P.O. Box 7969
Madison, Wisconsin 53707

State of Wisconsin
Department of Industry, Labor and Human Relations

March 10, 1993

Mr. Stephen Perrenoud
Perrenoud, Inc
420 W. Wisconsin St
Chippewa Falls, WI 54729

RE: PECFA Reimbursement: 420 W. Wisconsin St, Chippewa Falls, WI

Dear Mr. Perrenoud:

Enclosed please find a check in the amount of $27,864.99. This amount represents payment of eligible costs reimbursed under the PECFA program.

The reimbursement was calculated as follows:

Amount of Claim	$ 33,657.69
Additional Amount	$ 0
Amount not Eligible	$(792.70)
Sub Total	$ 32,864.99
Less 5% Paid After 8-15-91	$ NA
Deductible	$ 5,000.00
Percentage	$ 100%
Total PECFA Payment	$ 27,864.99

Non-eligible costs for this claim are as follows:

1. The 10,0000 gallon diesel tank showed no signs of contamination, therefore, the cost for removal is not eligible for reimbursement. 1/3 the cost for tank cleaning in the amount of $476.70 and the cost of 2 TPH (soil samples) at $200.00 for a total amount of $676.70 was not reimbursed.
2. The department has set a maximum amount of $500.00 for preparation of PECFA forms. A total amount of $616.00 was charged for preparation of the forms. $116.00 was not allowed.

PECFA reimbursements paid for the remediation for this site, are as follows: $27,864.99.

The deductible is based on costs incurred (paid) after August 15, 1991. Under the new law the deductible was changed to $2,500.00 plus 5% of all eligible costs for each occurrence but no more than $7,500.00 per occurrence. Costs incurred (paid) prior to August 15, 1991 are subject to a $5,000.00 deductible.

The department must request, before another PECFA reimbursement claim is submitted, that the consultant for the claimant provide the PECFA staff, in writing, an itemized cost evaluation for the completion of this remedial action.

Please let me know if you have additional questions pertaining to this reimbursement.

Sincerely,

Russell R. Haupt

Russell R. Haupt
Environmental Cleanup Grant Reviewer
Bureau of Petroleum Inspection
and Fire Protection
(608) 267-7538

cc: Al Bishop
John Grump

308lo:rrh

WISCONSIN
DEPT. OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

2004 Highland Avenue
Eau Claire, WI 54701-4346
TELEPHONE 715-839-3777

July 6, 1992

File Ref: 4440
Chippewa County

Mr. Steve Perrenoud
420 W. Wisconsin Street
Chippewa Falls, WI 54729

SUBJECT: Close-Out Committee's Recommendation for Additional Investigation at Perrenoud Inc.'s former Underground Storage Tank Site

Dear Mr. Perrenoud:

I presented the findings of the remedial investigation (RI) report to our District Close-Out Committee on July 2, 1992. The committee consists of three hydrogeologists and the district water supply supervisor. They recommended that this site needs further investigation. Specifically, they recommended borings to a depth below the fill material at sample locations 3 and 6. These locations are identified in Figure 2 of the RI report. Sample results of 190 ppm and 15 ppm of Total Petroleum Hydrocarbons respectively, were detected at these locations.

Please request that your consultant commence this additional work. The results of these borings will determine if this site can be closed or whether additional remediation is necessary.

I am enclosing a signed Form 4 for a progress payment for the Remedial Investigation. We were properly notified of the contamination at your site. No Lust Trust Funds were expended at this site nor are any enforcement actions pending. Please be aware that DILHR, not the DNR, determines PECFA eligibility. A copy of the Form 4 is being sent to DILHR along with a copy of this letter. Please be aware that future PECFA reimbursement may be contingent on the aforementioned investigatory work that must be performed at this site.

If you have any questions concerning this letter, please contact me at (715) 839-3775.

Sincerely,

John R. Grump
Hydrogeologist
JRG/jh

c: Bill Evans
Jim Boettcher
Larry Schaefer
Doug Joseph
Alan Bishop - Cedar Corp.
Miles Mickelson - DILHR

Wisconsin Department of Industry, Labor and Human Relations

FORM 4

DNR SITE INVESTIGATION AND REMEDIAL ACTION PLAN REVIEW

Safety and Buildings Division
Bureau of Petroleum Inspection and Fire Protection
P.O. Box 7969
Madison, WI 53707
(608) 267-4545
(608) 267-7538

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that the site investigation and remedial action plan is adequate to meet requirements of s. 144.76, Wis. Stats. The DNR approval is created for the purpose of meeting the requirements of s. 101.143 (3), Wis. Stats., only and does not bar the DNR from requiring that additional investigation and/or remediation activities be performed by persons responsible under s. 144.76, Wis. Stats.

Office Use Only Application Case # _____

Tank ID # _____ Installation Date _____
Tank ID # _____ Installation Date _____
Tank ID # _____ Installation Date _____

Claimant's Name	Remedial Action Site Name (if business)
Perrenoud, Inc.	Perrenoud, Inc.
Street Address	**Remedial Action Site Address**
420. West Wisconsin Ave.	420 West Wisconsin Ave.
City, State, Zip Code	**City, State, Zip Code**
Chippewa Falls, WI 54729	Chippewa Falls, WI 54729
Claimant's Telephone Number	**Telephone Number of Site**
(715) 723-0318	(715) 723-0318

Claimant is
☑ Owner ☐ Operator ☐ Other - please specify:

Approval requested for: ☑ Petroleum Product Storage System ☐ Home Oil Tank System ☐ Aboveground

FOR DNR USE ONLY (Indicate Whether Completed Remedial Action or Other Action(s))

A copy of this completed document must be submitted to DNR for approval of initial activities (emergency action, site investigation and remediation) in accordance with s. 101.143 (3) (c) 4, Wis. Stats.

☐ Completed Remedial Action (complete cleanup and single claim for reimbursement) (Steps 1 through 3)

Progress Payments For:

☐ Emergency Action (Step 1 - check only if emergency action was performed)

☐ Completion of Site Investigation (Step 1) and Proposed Remedial Action Plan (Step 2)

☐ Remedial Action (Step 3)

☐ Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (Step 4)

☐ Site Investigation **By Order** of DNR And/Or DILHR - No Remedial Action

Check Appropriate Box(es)

The DNR received a request for approval of the above identified activities for the site listed on this document on the following date 7/1/1992.

The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.

Remedial action activities conducted by owners/operators are not eligible for funding under 42 USC 6991 (L.U.S.T. Funding). (See s. 101.143 (3) (a) 2., Wis. Stats.)

Send one copy of this completed form to the address shown in the upper right corner and one copy to the claimant.

Reviewer's Signature John L. Grumski Date Signed July 6, 1992

Reviewer's Title Hydrogeologist

April 25, 1991

Wisconsin Department of Natural Resources
Attn: John Grump
2004 Highland Avenue
Eau Claire, WI 54701-4346

Dear John:

Please find enclosed the PECFA Form 4 for Perrenoud, Inc. in Chippewa Falls, WI. I would appreciate it if you would sign the form as we will be completing the remaining forms for payment of the remediation of petroleum contaminated soils.

If you have any questions, please feel free to contact Scott McCurdy or me at 1-800-472-7372.

Sincerely,

CEDAR CORPORATION

Alan Bishop
Environmental Technician

AB:ka
Encl.

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727

State of Wisconsin
Department of Natural Resources

ASPHALT PLANT OR THERMAL EVAPORATION UNIT SOIL TRACKING FORM

Form 4400-120T 11-89

This form is required to be submitted by subchapters III and IV of ch. 144, Wis. Stats. Failure to complete and submit this form may lead to violations of these statutes and result in forfeitures of not less than $10 or more than $25,000 for each violation, pursuant to ss. 144.426, 144.469, 144.74(1), and 144.99, Wis. Stats., or fines of not less than $100 or more than $150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74(2), Wis. Stats. Each day of a continuing violation constitutes a separate violation.

Form to be completed by asphalt plant or thermal evaporation unit owner and sent to: L.U.S.T. Specialist at the appropriate District or Area Office.

Name of Plant
TWIN CITY MATERIALS, INC.

Location
ROUTE 7 CHIPPEWA FALLS, WI

Volume of Soils (yd^3)
427 YDS

Generator of Soils (Include site ID#)
PERRENOUD, INC.

Date of DNR Approval to Remediate Soils
12-14 90

Date of Soil Transport
11-28, 29, 1990

Method of Soil Storage
ON BLACKTOP - COVERED WITH PLASTIC

Type of Remediation
Roasting _____ Incorporation X

Date of Roasting/Incorporation
JULY 1991

ROASTING OPTION

Post Burn Sample Results (Two representative composite samples for every 300 cubic yards):

Sample Number	TPH

Date of DNR Approval for Backfilling or Use as Common Fill

Location of Common Fill or Backfilling Site

Date of Backfilling or Use as Common Fill

Total Benzene Emissions in Pounds for Batch (Apply 50% destruction factor if no afterburner is being used)
.2995

Total Benzene Emissions for Plant for Calendar Year (Portable or fixed plant)
33,288

$$\frac{.5}{1,000,000} \times 2,000 \times 599 \times .50 = .2995$$

November 30, 1990

Mr. John Grump
Department of Natural Resources
2004 Highland Avenue
Eau Claire, WI 54701-4347

Dear John:

Please find enclosed an "Application to Treat or Dispose of Petroleum Contaminated Soil" for an additional 342 cubic yards from the Perrenoud, Inc. site at 420 West Wisconsin Avenue in Chippewa Falls.

This application is the result of an error in the amount of contaminated soils that were stockpiled.

If you have any questions, please call me at 1-800-472-7372.

Sincerely,

CEDAR CORPORATION

Alan J. Bishop

Alan J. Bishop
Environmental Specialist

AJB:srb
Encl.

architects - engineers - land surveyors - planners
cedar corporation
a professional service company

604 wilson avenue
menomonie, wi 54751

715-235-9081
WATS 800-472-7372
FAX 715-235-2727

State of Wisconsin
Department of Natural Resources

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL

Form 4400-120 11-89

This form is required to be submitted by subchapters III and IV of ch. 144, Wis. Stats. Failure to complete and submit this form may lead to violations of these statutes and result in forfeitures of not less than $10 or more than $25,000 for each violation, pursuant to ss. 144.426, 144.469, 144.74(1), and 144.99, Wis. Stats., or fines of not less than $100 or more than $150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74(2), Wis. Stats. Each day of a continuing violation constitutes a separate violation.

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

Return completed forms to: L.U.S.T. Specialist at the appropriate District or Area Office.

RECEIVED
DEC 3 1990
DNR - ECA

I. SOURCE OF SOIL

Facility Name: Perrenoud, Inc.

Site ID# (For DNR use only):

Site Address: 420 W. Wisconsin Ave.

Contact Name: Steve Perrenoud

City, State, Zip Code: Chippewa Falls, WI 54729

Telephone Number (Include Area Code): 715-723-0318

Section, Township and Range: 10B, T28N, R8W

Facility Owner/Operator Signature:

II. CONTAMINATION DETAILS

Volume Soil (Cubic yards): 342 yds³

Certified DNR Lab Number: 999447240

Type of Petroleum Contamination (Circle one)

1 Gasoline (2 Diesel Fuel) 3 #2 Fuel Oil

4 Other

Lab Name: National Environmental Testing

Sampling Method (Brief description of method used to obtain representative sample of soil): Grab

Contaminant Concentration (Two representative composite samples for every 300 cubic yards of soil, in ppm.) Attach Laboratory Analyses

Sample No.	11-5-54	11-5-5-5
Benzene	.005	0.5
Toluene	.005	0.5
Ethylbenzene	.005	0.5
Total Xylenes	.005	0.5
Total Petroleum Hydrocarbons as Gasoline	—	—
Total Petroleum Hydrocarbons as Fuel Oil	190	1420

Total Benzene In Soil To Be Remediated (Attach calculations): .12 lbs

Total Amount of Petroleum Hydrocrabons In Soil to Be Remediated (Attach calculations): 385 lbs.

Percent Soil Less Than 200 Mesh or 74 Microns:

Soil Classification Type (Sand, silt, clay, etc.): Gravelly Sand

Anticipated Time Frame for Remediation

Start Date End Date

Method of Pulverizing Silt or Clay Soils

III. PROPOSED METHOD OF SOIL TREATMENT

1. Asphalt Plant/Other Type of Thermal Evaporation Unit

Name: Senn Blacktop, Inc.

Address: 2495 W. Pederson Rd.

City, State, Zip Code: Chippewa Falls, WI 54729

(If portable, where will plant be located)

Plant Number and Model: #1 / 7-32

DNR Facility Identification Number: 60904 2280

Contact Name: Greg Mitchell

Title: Bus. Mgr.

Telephone Number (Include area code): 715-723-8537

Site Telephone Number (Include area code):

WDNR Air Quality Permit Number: MIN-01-80-09-014

WPDES Permit Number:

s. 144.04 Plan Approval Number or Equivalent

(Sealed ponds according to NR 213)

Distance to Nearest Residence/Business: 1400' / 3500'

Burner Temperature During Soil Treatment: 2500°F

Soil Residence Time in Burner During Treatment: 5-6 min

Anticipated Date Treatment Will be Completed

(If stockpiled before being treated, all petroleum contaminated soil must be underlain and overlain by an impermeable membrane.)

Final Disposition of Treated Soil (How used, specific location): Incorporate into asphalt mix!

Section 1 continued on side 2

Section 1 continued.

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

Highest Emission of VOC's Intended to Occur

_____ hourly* _____ daily*

Highest Emission of Benzene Intended to Occur

_____ daily* _____ total*

*Attach Calculations

2. Volatilization of Contaminants In Soil (Passive Evaporation)

Type of Impervious Surface

Curbing or Berms (Existing or proposed construction)

Thickness of Soil Undergoing Remediation (As placed)

Techniques to Cover During Inclement Weather

Method of Turning or Mixing Soil

Method of Field Sampling

Proposed Verification Method of Contaminant Content (Lab sampling)

Location and Size of Remediation Site

Distance to Nearest Residence/Business

Highest Emission of VOC's Intended to Occur

_____ hourly* _____ daily*

Highest Emission of Benzene Intended to Occur

_____ daily* _____ total*

*Attach Calculations

3. Disposal of Contaminated Soils at a Sanitary Landfill-NR 500

Name

License No.

Location

Section 3 Continued

Contact Name

DNR Area Investigator Contacted

Name

Date

Volume to Be Disposed Of

_____ Cubic Yards

Amount Total VOCs*

Amount Benzene*

*Attach Calculations

Attach Map Showing Location of Approved Landfill

4. Soil Venting/Vacuum Extraction

Responsible Party

Consultant Responsible for System

Size and Rating (In cfm) of Blower

Distance to Nearest Residence/Business

VOC Discharge Rate From Pilot Testing

_____ lbs/day at _____ CFM

Benzene Discharge Rate From Pilot Testing

_____ lbs/day at _____ CFM

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

5. Other Method of Soil Remediation

Please Describe the Method to Be Used

V. OWNER/OPERATOR OR CONSULTANT SUBMITTING REQUEST

Company Name: Cedar Corp.	Contact Name: Alan Bishop
Address: 604 Wilson Ave.	Telephone Number (Include area code): 715-235-9081
City, State, Zip Code: Menomonie, WI 54751	Signature: Alan Bishop

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

APPLICATION Concurrance

		Contact Name	
	Air Management		Date
V	Solid Waste	Gordon L. Preuss	Date 12/19/90
			Date

Comments:

SOIL REMEDIATION

HYDROCARBON CONTAMINATION CALCULATIONS

1. Source of Soil

Perrenoud, Inc.
420 W. Wisconsin Ave.
Chippewa Falls, WI 54729

2. Laboratory Analyses (ppm)

	Sample Nos. 11-5-S-4	11-5-S-5					Average
TPH Gas	—	—					—
TPH ~~Fuel Oil~~ Diesel	190	1420					805
Benzene	.005	0.5					.253
E-Benzene	.005	0.5					.253
Toluene	.005	0.5					.253
Xylenes (Total)	.005	0.5					.253

3. Soil Volume 342 cubic yards

4. Soil Mass = 342 yds3 x 1.4 Tons/yds^3 X 2000 Lbs/Ton
957,600 lbs

5. Total Benzene to be Remediated = .12 lbs

Average Benzene Content x Soil Mass x 0.5 Destruction Rate

.253 ppm x 10-6 x 957,600 lbs x 0.5 = .12

6. Total Hydrocarbons to be Remediated = 385 lbs

Average TPH x Soil Mass x 0.5 Destruction Rate

805 x 10-6 x 957,600 lbs x 0.5 = 385

architects - engineers - planners
cedar corporation
a professional service company
WATS 800-472-7372

604 wilson avenue
170 south central p.o. box 839
275 south third street p.o. box 530

menomonie, wi 54751 715-235-9081
marshfield, wisconsin 54449 715-387-3435
stillwater, minnesota 55082 612-439-4173

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83295
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-5, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Tot. Pet. Hydrocarbons	1420. (As Diesel)	mg/kg

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Rockford Division
3548 35th Street
Rockford, IL 61109
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Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83295
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-5, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

UST VOLATILE COMPOUNDS - 8240

Benzene	<500.	ug/kg
Ethylbenzene	<500.	ug/kg
Toluene	<500.	ug/kg
Xylenes	<500.	ug/kg

Brian Wanner, Manager
Rockford Division

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ANALYTICAL REPORT

Mr. Mitch Evenson
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83294
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-4, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

Tot. Pet. Hydrocarbons	190. (As Diesel)	mg/kg

Brian Wanner, Manager
Rockford Division

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ANALYTICAL REPORT

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604 Wilson
Menomonie, WI 54751

11/21/1990

Sample No: 83294
Job No: 90.3307

SAMPLE DESCRIPTION: 11-5-S-4, Grab Soil
#1335-002-00 Perrenoud Inc

Date Taken: 11/05/1990

Date Received: 11/07/1990

UST VOLATILE COMPOUNDS - 8240

Benzene	<5.0	ug/kg
Ethylbenzene	<5.0	ug/kg
Toluene	<5.0	ug/kg
Xylenes	<5.0	ug/kg

Brian Wanner, Manager
Rockford Division

TELEPHONE LOG

SITE NAME/ID#: Perrenoud Inc. DATE/TIME: 11/6/90 10:30

CONTACT: Al Bishop TELEPHONE NUMBER: 235-9081

COMPANY / AGENCY: Cedar Corp

SUMMARY: Perrenoud Inc. Chippewa Falls
420 W. Wisconsin Ave.
Chippewa Falls. 54729

Contact: Steven Perrenoud 723-0318

4x6 gas regular	560	
4x6 diesel	560	Hole in tank
7.5x25 diesel	10,000	

80 - 90 yds of overexcavated - clean at bottom of treach

Excavated 11/5/90

Expect lab results ≈ 2 weeks.