FID 230004500 134360
ERR/ERP 0004
ENGINE PLANT 230004500

CHRYSLER CORPORATION

Chrysler Corporation
Chrysler Center

November 2, 1994

Ms. Pamela A. Mylotta
Environmental Repair Project Manager
STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES
4041 N. Richards Street
Milwaukee, Wisconsin 53212

RE: Notification of Release of Petroleum Product From
Underground Storage Tank System
Chrysler Corporation, Kenosha Engine Plant
Kenosha, Wisconsin

Dear Ms. Mylotta:

The purpose of this letter is to formally notify you of an observed petroleum release related to an inactive underground storage tank (UST) system at the Chrysler Corporation Kenosha, Engine Plant Facility located at 5555 30th Avenue, Kenosha, Wisconsin. Based on laboratory results for soil samples collected during in-place closure of a 2500-gallon steel motor oil UST, release of petroleum to site soils has occurred (see attached laboratory results). Per discussions between you and Triad Engineering Incorporated on October 31, 1994, a remedial investigation will be performed in the vicinity of the UST system to evaluate the extent and magnitude of release. A preliminary evaluation of remedial alternatives will also be conducted. Investigation protocol will be in accordance with State of Wisconsin requirements and guidance.

I will keep you advised as the project proceeds. If you have any questions or comments, please do not hesitate to call. I can be reached at (414) 658-6061, facsimile (414) 658-7717.

Sincerely,

L. Fasano

Leon Fasano
Supervisor of Plant Engineering

12000 Chrysler Drive
Highland Park MI 48288-1919

AAA
ENVIRONMENTAL
INDUSTRIES, INC.

3240 West Elm Road • Franklin, WI 53132
(414) 761-9421 • FAX (414) 761-9642

FAX TRANSMITAL COVER SHEET

Date 10/25/94 Time _____

TO: EINAR JENSEN

COMPANY: CHRYSLER KENOSHA

FAX NUMBER BEING SENT TO: 658-7717

FROM: DEAN KELLEY

NUMBER of Pages including this sheet 6

SUBJECT: TANK SAMPLE RESULTS

If you did not receive the complete transmission or received this in error please call us at 414-761-9421

FAX FROM KENOSHA ENGINE PLANT
Date 10-25-94 No. of Pages Incl. Cover Sheet 7
To: RICK HINLOST Telephone No. 722-8596
From: ENAR JENSEN Telephone No. 696-7471

Reported: October 19, 1994
LEVEL II REPORT
Page Number: 1

Telephone: (414) 521-247(
FAX: (414) 521-0828

SUBURBAN LABORATORIES of WISCONSIN, Inc.

"Analytical Testing"
N8 W22520-B Johnson Drive Waukesha, WI 53186

FINAL REPORT OF LABORATORY ANALYSIS

AAA Environmental Industries
3240 West Elm Road
Franklin, WI 53132

Attention: Dean M. Kelley

SLI Order No.: W410007
Project ID.: UST CLOSURE
P.O. #:
Samples Received: 10/03/94
Collected By: CLIENT-DEAN KELLEY
Condition Received: REFRIGERATED @ 4°C

Sample ID: #1 SOURCE
Sample Type: WASTE_OIL IN TANK
Date Collected: 10/01/94 14:00:00
SLI ID: W410007-01A

PARAMETER	RESULT	UNITS	LIMIT	DATE ANALYZED	BY	METHOD
TPH waste oil	standard	mg/kg	100		DH	EPA 8015

Sample ID: #2 SOIL
Sample Type: SOIL
Date Collected: 10/01/94 14:10:00
SLI ID: W410007-02A

PARAMETER	RESULT	UNITS	LIMIT	DATE ANALYZED	BY	METHOD
Solids, Total	87.8	%	0.001	10/04/94	RLD	EPA 5030 7.3
TPH waste oil	48,400 J	mg/kg	100	10/11/94	DH	EPA 8015

Sample ID: #3 SOIL
Sample Type: SOIL
Date Collected: 10/01/94 14:30:00
SLI ID: W410007-03A

PARAMETER	RESULT	UNITS	LIMIT	DATE ANALYZED	BY	METHOD
Solids, Total	86.6	%	0.001	10/04/94	RLD	EPA 5030 7.3
TPH waste oil	37,400 J	mg/kg	100	10/11/94	DH	EPA 8015

Sample ID: #4 SLUDGE
Sample Type: SLUDGE IN TANK
Date Collected: 10/01/94 14:50:00
SLI ID: W410007-04A

PARAMETER		RESULT	UNITS	LIMIT	DATE ANALYZED	BY	METHOD
Cyanide, Reactive		<0.50	mg/kg	0.50	10/13/94	SLI	EPA 7.3.3.2
Cyanide, Total		1.16	mg/kg	0.10	10/05/94	SLI	EPA 335.2
Flash Point		>212	°F	30	10/13/94	SLI	EPA 1010
pH		6.01	S.U.		10/06/94	SLI	EPA 150.1
Phenols		<0.10	mg/kg	0.10	10/13/94	SLI	EPA 420.1
Solids, Total		56.5	%	0.001	10/07/94	SLI	EPA 160.3
Sulfide, Reactive		9.6	mg/kg	1.0	10/13/94	SLI	EPA 7.3.4.1
TCLP Arsenic	D004	<0.10	mg/l	0.10	10/13/94	SLI	1311/6010
TCLP Barium	D005	0.05	mg/l	0.02	10/12/94	SLI	1311/6010
TCLP Cadmium	D006	<0.01	mg/l	0.01	10/12/94	SLI	1311/6010
TCLP Chromium	D007	<0.01	mg/l	0.01	10/12/94	SLI	1311/6010
TCLP Lead	D008	0.003	mg/l	0.001	10/12/94	SLI	1311/6010
TCLP Mercury	D009	<0.0002	mg/l	0.0002	10/07/94	SLI	1311/7470

TCLP Chromium	D007	<0.01	mg/l	0.01	10/12/94	SLI	1311/6010
TCLP Lead	D008	0.003	mg/l	0.001	10/12/94	SLI	1311/6010
TCLP Mercury	D009	<0.0002	mg/l	0.0002	10/07/94	SLI	1311/7470
TCLP Selenium	D010	<0.10	mg/l	0.10	10/12/94	SLI	1311/6010
TCLP Silver	D011	<0.01	mg/l	0.01	10/12/94	SLI	1311/6010
TCLP Total Organic Halogen		35.0	mg/l	1.0	11/01/94	SLI	EPA 450.2

Hillside Certifications: Illinois Dept. of Public Health #17585; Illinois EPA #100225
Waukesha Certifications: Wisconsin Division of Public Health #MW00287; Wisconsin DNR #241178860

Telephone: (414) 521-2470
FAX: (414) 521-0626

SUBURBAN LABORATORIES of WISCONSIN, Inc.

"Analytical Testing"
N8 W22520-B Johnson Drive Waukesha, WI 53186

Client: *AAA Environmental Industries*

SLI Order No.: W410007
Project ID.: UST CLOSURE

Sample ID: #4 SLUDGE
Sample Type: SLUDGE

Date Collected: 10/01/94 14:50:00
SLI ID: W410007-04A

PARAMETER		RESULT	UNITS	LIMIT	DATE ANALYZED	BY	METHOD
TCLP ACID EXTRACTABLES							1311/8270
o-Cresol 95-48-7	D023	<30.0	ug/l	30.0	10/13/94	SLI	
m-Cresol 108-39-4	D024	<30.0	ug/l	30.0	10/13/94	SLI	
p-Cresol 106-44-5	D025	<30.0	ug/l	30.0	10/13/94	SLI	
Pentachlorophenol 87-86-5	D037	<60.0	ug/l	60.0	10/13/94	SLI	
2,4,5-Trichlorophenol 95-95-4	D041	<10.0	ug/l	10.0	10/13/94	SLI	
2,4,6-Trichlorophenol 88-06-2	D042	<10.0	ug/l	10.0	10/13/94	SLI	
SURROGATE STANDARD		% RECOVERY					
d5-Phenol		67%			10/13/94	SLI	
TCLP BASE/NEUTRAL							1311/8270
2,4-Dinitrotoluene 121-14-2	D030	<4.0	ug/l	4.0	10/13/94	SLI	
Hexachlorobenzene 118-74-1	D032	<4.0	ug/l	4.0	10/13/94	SLI	
Hexachloro-1,3-butadiene 87-68-3	D033	<4.0	ug/l	4.0	10/13/94	SLI	
Hexachloroethane 67-72-1	D034	<4.0	ug/l	4.0	10/13/94	SLI	
Nitrobenzene 98-95-3	D036	<4.0	ug/l	4.0	10/13/94	SLI	
Pyridine 110-86-1	D038	<4.0	ug/l	4.0	10/13/94	SLI	
SURROGATE STANDARD		% RECOVERY					
d8-Napthalene		NR			10/13/94	SLI	
TCLP PCB's							EPA 8080
PCB-1016 12674-11-2		<2.4	ug/l	2.4	10/13/94	SLI	
PCB-1221 11104-28-2		<4.4	ug/l	4.4	10/13/94	SLI	
PCB-1232 11141-16-5		<2.4	ug/l	2.4	10/13/94	SLI	
PCB-1242 53469-21-9		<2.4	ug/l	2.4	10/13/94	SLI	
PCB-1248 12672-29-6		<2.4	ug/l	2.4	10/13/94	SLI	
PCB-1254 11097-69-1		<2.4	ug/l	2.4	10/13/94	SLI	
PCB-1260 11096-82-5		<2.4	ug/l	2.4	10/13/94	SLI	
TCLP VOLATILES							1311/8240
Benzene 71-43-2	D018	<5.00	ug/l	5.00	10/13/94	SLI	
Carbon tetrachloride 56-23-5	D019	<5.00	ug/l	5.00	10/13/94	SLI	
Chlorobenzene 108-90-7	D021	<5.00	ug/l	5.00	10/13/94	SLI	
Chloroform 67-66-3	D022	<5.00	ug/l	5.00	10/13/94	SLI	
1,4-Dichlorobenzene 106-46-7	D027	<5.00	ug/l	5.00	10/13/94	SLI	
1,2-Dichloroethane 107-06-2	D028	<5.00	ug/l	5.00	10/13/94	SLI	
1,1-Dichloroethene 75-35-4	D029	<5.00	ug/l	5.00	10/13/94	SLI	

· Telephone: (414) 521-2470
FAX: (414) 521-0826

SUBURBAN LABORATORIES of WISCONSIN, Inc.

"Analytical Testing"
N8 W22520-B Johnson Drive Waukesha, WI 53186

Client: *AAA Environmental Industries*

SLI Order No.: W410007
Project ID.: UST CLOSURE

Sample ID: #4 SLUDGE
Sample Type: SLUDGE

Date Collected: 10/01/94 14:50:00
SLI ID: W410007-04A

PARAMETER		RESULT	UNITS	LIMIT	DATE ANALYZED	BY	METHOD
TCLP VOLATILES							1311/8240
Methyl ethyl ketone 78-93-3	D035	27.6	ug/l	25.0	10/13/94	SLI	
Tetrachloroethene 127-18-4	D039	<5.00	ug/l	5.00	10/13/94	SLI	
Trichloroethene 79-01-6	D040	<5.00	ug/l	5.00	10/13/94	SLI	
Vinyl chloride 75-01-4	D043	<10.0	ug/l	10.0	10/13/94	SLI	
SURROGATE STANDARD		% RECOVERY					
1,4-Dichlorobutane		NR			10/13/94	SLI	

COMMENTS
TPH: 01a,02a; J=duplicate and spike were not analyzed due to lack of sample.

LIMIT: The lowest concentration that can be reliably achieved within specified requirements of precision and accuracy during routine laboratory operating conditions. Limit may also represent a project specific reporting level.
NOTE: All results reported in wet weight unless otherwise indicated.
Please refer to glossary for abbrevations and definitions.

Analysis Reviewed By: _____

Reported By: DAVE (Last Page) Date: 10/19/94

Telephone: (414) 521-247
FAX: (414) 521-062

SUBURBAN LABORATORIES of WISCONSIN, Inc.

"Analytical Testing"
N8 W22520-B Johnson Drive Waukesha, WI 53186

DATA QUALIFIER DEFINITIONS AND METHOD REFERENCES

- U — The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N — The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- NJ — The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limits approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- NI — Not Injected
- ND — Not Detected
- NA — Not Applicable
- NR — Not Reported
- R — The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- B — The analyte was found in the the associated laboratory blank as well as the sample, and indicates possible or probable blank contamination.
- MI — Matrix Interference
- BDL — Below Detection Limit
- DW — Dry Weight Basis
- CS — Compound Screened
- NG — Not Given
- TNTC — Too Numerous to Count
- < — Less Than
- + — Upon visual review of the Total Ion Chromatograms, unidentified peaks were observed which are outside the parameters listed.
- ** ++ ## && — Compounds are co-eluting. Under present conditions we are unable to discern between the two, therefore, the quantitation represents the total concentration of all co-eluting compounds or the maximum possible concentration of any single compound.

- EPA — "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, USEPA, Revised March 1983 and 1979 where applicable.
- "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA SW-846 November 1986 and Revision 1, November 1990 where applicable.
- "Methods for the Determination of Organic Compounds in Drinking Water", USEPA, EPA-600/4-88/039, July 1988, and EPA-600/4-90/020 July 1990 where applicable.
- SM — "Standard Methods for the Examination of Water and Wastewater", APHA and AWWA, 17th Edition 1979, and 18th Edition 1992 where applicable.
- ASTM — "1991 Annual Book of Standards, Water and Environmental Technology", ASTM, 1986.
- AOAC — "Official Methods of Analysis of Official Analytical Chemists, Methods Manual 15th Edition 1990.
- WDNR — "Wisconsin DNR LUST and Petroleum Analytical and Quality Assurance Guidance, (PUBL-SW-130-93)

SUBURBAN LABORATORIES of WISCONSIN, Inc. Phone: (414) 521-2470 Fax: (414) 521-0626

N8 W22520-B Johnson Drive Waukesha, WI 53186

CHAIN OF CUSTODY RECORD

Page (1) of (1)

Company Name: AAA Environmental Industries Inc

Company Address: 3240 W. Elm Rd Franklin, WI

Property Owner: Chrysler

Property Location: Kenosha

Project Name/#: UST Closure

Project Manager (Report to): Dean Kelly

Sample Collector(s): Dean Kelly

TURNAROUND TIME REQUESTED: [X] Normal [ ] RUSH

Date Needed:

Are Samples Hazardous? [ ] Yes [X] No

Final/Closure Samples: [X] Yes [ ] No

Phone #: (414) 761 - 9421

Fax #: (414) 761 - 9542

Reporting Format:

Purchase Order #:

Courier:

LAB USE ONLY

SLI ORDER #:

Temperature of Received Samples: Refrig @ 4°C

ANALYSIS & METHOD REQUESTED: Finger Print; Compare to Source; Compare to Source; Lead, [illegible]; [illegible]

FIELD IDENTIFICATION	COLLECTION Date	COLLECTION Time	SAMPLE Matrix	SAMPLE Device	Number & Type of CONTAINERS	PRESERV. TYPE	FIELD SCREEN	Finger Print	Compare to Source	Compare to Source	Lead, [illegible]	[illegible]	A/R	SAMPLE CONDITION	SLI SAMPLE #
#1 Source	10/10/94	2:00	O	O	1 1 qt	ICE		X						Good	
#2 Soil	10/10/94	2:10	S	H Perc	2 60 ml & 100 ml	ICE			X						
#3 Soil	10/10/94	2:30	S	H Perc	2 60 ml & 100 ml	ICE				X					
#4 Sludge	10/10/94	2:50	O	O	2 amber [illegible]	ICE					X				
	/ /														
	/ /														
	/ /														
	/ /														
	/ /														
	/ /														

GLOSSARY: MATRIX=Soil(S), Water(W), Drinking Water(DW), Air(A), Wipe(P), Other(O). A=Accept, R=Reject.
SAMPLING DEVICE=Grab(G), Composite(C), Drill Rig(D), Hand Auger(H), Split Spoon(S), Metal Spatula(M), Other(O).
CONTAINER=40ml Vial(A), 60ml Vial(B), 2oz(C), 4oz(D), 8oz(E), 1 Liter(F), Glass(G), Plastic(P), Air Tedlar(T), Wipe(W)
PRESERVATION=Ice(1), HNO3(2), H2SO4(3), NaOH(4), MeCl(5), Other(O), ROI=Received on Ice. NA=Not Applicable.

COMMENTS & SPECIAL INSTRUCTIONS:

1. Relinquished By: Dean M. Kelly	Date 10/03/94	3. Relinquished By:	Date: / /
Received By: [signature]	Time 11:10	Received By:	Time:
2. Relinquished By: [signature]	Date 10/3/94	4. Relinquished By:	Date: / /
Received By: [signature]	Time 1500	Received By:	Time:

( ) # of Attached Sheets

PLEASE FILL OUT CHAIN OF CUSTODY RECORD COMPLETELY!

White - Original (Return with report), Yellow - Lab Copy, Pink - Sampler Copy