



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southeast District - Annex Building
Post Office Box 12436
4041 N. Richards St.
Milwaukee, Wisconsin 53212
TELEPHONE: 414-961-2727
TELEFAX #: 414-961-2770

July 5, 1994

File Ref: FID# 230004500
ERR/ERP
Kenosha Co.

Ms. Barbara Schmitt
Pheasant Run Recycling & Disposal Facility
19414 80th Street
Bristol, Wisconsin 53104

Dear Ms. Schmitt:

RE: Wisconsin Department of Natural Resources Approval For Acceptance of
Petroleum Contaminated Soil

Chrysler Corporation - Kenosha Main Plant Property
5626 25th Avenue
Kenosha, Wisconsin

The Wisconsin Department of Natural Resources (WDNR) hereby approves the landfilling of soil generated at the referenced address. The soils are characterized by the attached waste characterization laboratory results.

Approximately 200 cubic yards of petroleum contaminated soils are to be landfilled at Pheasant Run Disposal Facility. The laboratory results indicate that the soil will have diesel range organics (DRO) contamination exceeding 2000 parts per million. Due to the lack of suitable remedial alternatives for this site, the WDNR waives the LUST program guideline acceptance limit for the referenced soils.

The soils are to be transported to Pheasant Run for disposal pending approval by Waste Management.

Sincerely,

Pamela A. Mylotta
Hydrogeologist, Environmental Repair Program

c: Rick Binder - Triad, Inc.
Greg Rose - Chrysler Corp.
SED Casefile

**TE TRIAD
ENGINEERING
INCORPORATED**

June 23, 1994

Ms. Pamela A. Mylotta, Hydrogeologist
Environmental Repair Program
State of Wisconsin Department of Natural Resources
4041 North Richards Street
Milwaukee, WI 53212

**RE: Request for Variance, Landfill Disposal of Soil
Former UST #11, 12, 13 and AST #19 Area, Site MP-8
Chrysler Corporation, Kenosha Main Plant
Triad Engineering Project No. W943324.3B**

Dear Ms. Mylotta:

On behalf of Chrysler Corporation (Chrysler), Triad Engineering Inc. (Triad) is requesting a variance for landfill disposal of soil which was excavated from the former underground storage tank (UST) #11, 12, 13, and aboveground storage tank (AST) #19 (coal bin) area of Site MP-8 at the Chrysler Kenosha Main Plant. Approximately 200 cubic yards of soil were excavated, stockpiled on and covered with visqueen at the site on March 18, 1994 (File No. 5, Figure 1).

Two discrete grab samples were collected from freshly exposed soil at a depth of approximately 1.5 feet to minimize the potential effects of surface weathering. Sampling was accomplished using a clean spade. Sample tools were decontaminated prior to sampling by washing in a trisodium phosphate substitute solution, and triple rinsing with distilled water. The soil samples were placed in a laboratory-supplied sample container, immediately placed on ice in a sample cooler and submitted under chain-of-custody to a state certified laboratory (Swanson Environmental, Inc.). One sample was analyzed for volatile organic compounds (VOC: EPA Method 8021) and diesel range organics (DRO: Wisconsin DNR Modified DRO Method). A second sample was analyzed for free liquids, flashpoint, benzene and gasoline range organics (GRO). The laboratory analytical results indicate a concentration of 3,110 parts per million (ppm) DRO, which is above the landfill acceptance limit of 2,000 ppm for DRO (see attached laboratory results).

Based on the small quantity of soil stockpiled (approximately 200 cubic yards), landfill disposal would be the most appropriate and least expensive option. However, due to the DRO concentration above the landfill acceptance level, a written variance from the Wisconsin Department of Natural Resources is required by the landfill prior to acceptance of the soils for disposal. Therefore, we are requesting a written variance to allow Chrysler to dispose of the soils at Pheasant Run Recycling and Disposal Facility in Bristol, Wisconsin. The soil is tentatively scheduled to be transported to Pheasant Run Recycling and Disposal Facility the first week in July, 1994.

325 east chicago street
milwaukee, wisconsin 53202
414/291-8840
fax: 414/291-8841



Ms. Pamela A. Mylotta
June 23, 1994
Page 2

We appreciate your immediate attention to this matter. If you have any questions, please do not hesitate to call.

Sincerely,

TRIAD ENGINEERING INC.

A handwritten signature in black ink, appearing to read 'Richard J. Binder'.

Richard J. Binder, CPG, CGWP
Project Manager

TRIAD ENGINEERING INC.

A handwritten signature in black ink, appearing to read 'Ross M. Creighton'.

Ross M. Creighton
Hydrogeologist

RJB:kib
W9433241943224.381943324-C
Enclosure

cc: Mr. Greg Rose/Chrysler - Environmental and Energy Affairs
Mr. Jack Bugno/Chrysler - Kenosha Main Plant
Ms. Lori Bowman/Triad
Ms. Jeanne Ramponi/Triad

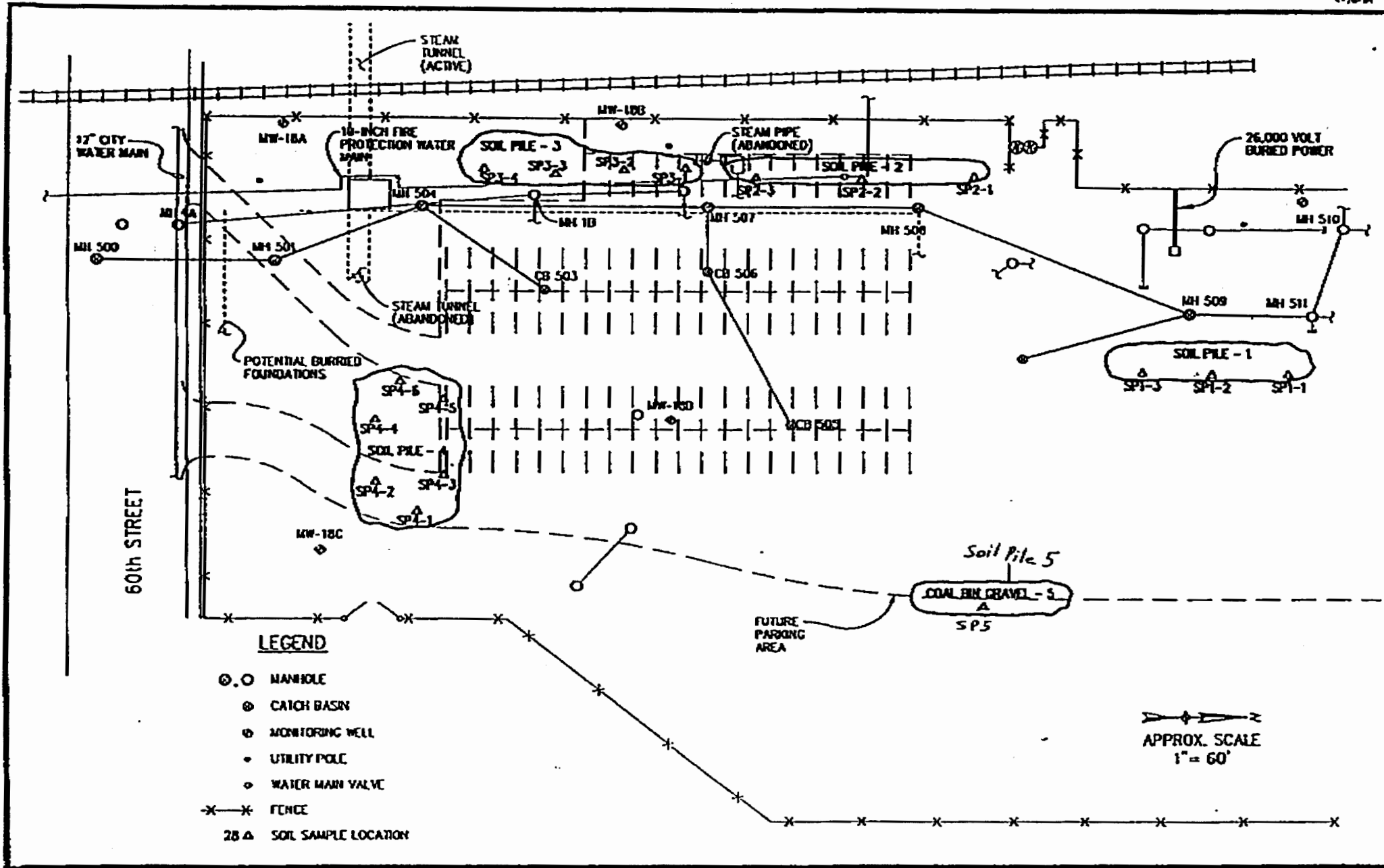


FIGURE 1
CHRYSLER KENOSHA MAIN PLANT
SOIL PILE AND SAMPLE LOCATIONS

SWANSON ENVIRONMENTAL INC.

ANALYTICAL REPORT

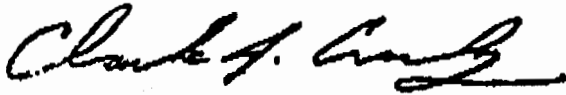
Report Date: 06/23/94
Client Project: Chrysler Corporation - Kenosha

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

SEI Project: WL11064
Date Received: 06/15/94
Your Reference: 9433243B

Attn: Mr. Rick Binder

Reference: AA04179	Sample Point: Soil Pile 5		Date Collected: 06/14/94		
Analyte	Method	Units	Analyzed	PQL	Result
Wet Chemistry					
Flashpoint	ASTM D93-85	Degrees F	06/20/94	70	>140
Free Liquids	SW846-9095		06/20/94		None
WDNR-LUST Organics					
WDNR-GRO	WDNR-GRO	mg/Kg	06/20/94	1000	1600

Certified by: 
 Clark J. Crosby
 Laboratory Manager

3150 North Brookfield Road
 Brookfield, Wisconsin 53045
 telephone (414) 783-6111
 FAX (414) 783-6782



WDNR Certification #288181760

ANALYTICAL REPORT

REPORT NUMBER: A3435

Triad Engineering, Inc.
 325 East Chicago Street
 Milwaukee, WI 53202

 Attn: Mr. Rick Binder
 Project #W943163.002

DATE: April 22, 1994
 PURCHASE ORDER:
 SEI NO: WL9848
 DATE COLLECTED: 03/18/94
 DATE RECEIVED: 03/21/94

Matrix: Soil
 Source: Chrysler - Kenosha

DATE EXTRACTED
 DRO - 03/21/94

Units: mg/kg (ppm)

DATE ANALYZED
 DRO - 03/25/94

<u>DNR #</u>	<u>Analyte</u>	SEI ID Sample ID <u>POL</u>	9848-5 <u>Soil Pile</u>
WDNR Modified Method DRO			
78919	DRO		3,110 ^f

- d Baseline raised, outside DRO window.
- e Elevated detection limits due to high analyte concentration; a 110x dilution necessary.
- f Elevated detection limits due to high analyte concentration; a 11x dilution necessary.

3150 North Brookfield Road
 Brookfield, Wisconsin 53045
 telephone (414) 783-6111
 FAX (414) 783-5752



WDNR Certification #268181760

ANALYTICAL REPORT REPORT NUMBER: A3435

Triad Engineering, Inc.
 325 East Chicago Street
 Milwaukee, WI 53202

Attn: Mr. Rick Binder
 Project #W943163.002

DATE: April 22, 1994
 PURCHASE ORDER:
 SEI NO: WL9848
 DATE COLLECTED: 03/18/94
 DATE RECEIVED: 03/21/94
 DATE ANALYZED: 03/29/94

Matrix: Soil
 Source: Chrysler - Kenosha

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u> <u>POL</u>	<u>9848-5a</u> <u>Soil File</u>
EPA Method 8021			
78124	Benzene	0.02	<0.2
81555	Bromobenzene	0.02	<0.2
77297	Bromochloromethane	0.02	<0.2
32101	Bromodichloromethane	0.02	<0.2
32104	Bromoform	0.02	<0.2
14413	Bromomethane	0.02	<0.2
77342	n-Butylbenzene	0.02	4.7
77350	sec-Butylbenzene	0.04	1.6
77353	tert-Butylbenzene	0.02	<0.2
32102	Carbon tetrachloride	0.02	<0.2
34301	Chlorobenzene	0.02	<0.2
34306	Chlorodibromomethane	0.02	<0.2
34311	Chloroethane	0.02	<0.2
32106	Chloroform	0.02	<0.2
34418	Chloromethane	0.02	<0.2
77275	2-Chlorotoluene	0.02	<0.2
77277	4-Chlorotoluene	0.02	<0.2
38437	1,2-Dibromo-3-chloropropane	0.02	<0.2
77651	1,2-Dibromoethane	0.02	<0.2
77596	Dibromomethane	0.02	<0.2

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Trisd Engineering, Inc.
 325 East Chicago Street
 Milwaukee, WI 53202

Attn: Mr. Rick Binder
 Project #W943163.002

DATE: April 22, 1994
 PURCHASE ORDER:
 SEI NO: WL9848
 DATE COLLECTED: 03/18/94
 DATE RECEIVED: 03/21/94
 DATE ANALYZED: 03/29/94

Matrix: Soil
 Source: Chrysler - Kenosha

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u> <u>POL</u>	<u>9848-5a</u> <u>Soil Pile</u>
EPA Method 8021			
34536	1,2-Dichlorobenzene	0.02	<0.2
34566	1,3-Dichlorobenzene	0.02	<0.2
34571	1,4-Dichlorobenzene	0.03	<0.3
34668	Dichlorodifluoromethane	0.02	<0.2
34496	1,1-Dichloroethane	0.03	<0.3
32103	1,2-Dichloroethane	0.02	<0.2
34501	1,1-Dichloroethene	0.02	<0.2
77093	cis-1,2-Dichloroethene	0.03	<0.3
34546	trans-1,2-Dichloroethene	0.03	<0.3
34541	1,2-Dichloropropane	0.02	<0.2
77173	1,3-Dichloropropane	0.02	<0.2
77170	2,2-Dichloropropane	0.03	<0.3
77168	1,1-Dichloropropene	0.02	<0.2
34704	cis-1,3-Dichloropropene	0.02	<0.2
34699	trans-1,3-Dichloropropene	0.02	<0.2
78113	Ethylbenzene	0.02	2.0
34391	Hexachlorobutadiene	0.03	<0.3
77223	Isopropylbenzene	0.02	0.5
77356	p-Isopropyltoluene	0.02	0.8
34423	Methylene chloride	0.05	<0.5
34696	Naphthalene	0.03	4.7

ANALYTICAL REPORT REPORT NUMBER: A3435

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943163.002

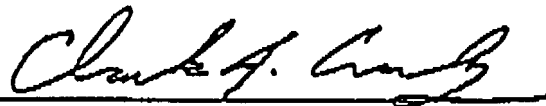
DATE: April 22, 1994
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DATE COLLECTED: 03/18/94
DATE RECEIVED: 03/21/94
DATE ANALYZED: 03/29/94

Matrix: Soil
Source: Chrysler - Kenosha

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u> <u>POL</u>	<u>9848-5a</u> <u>Soil File</u>
EPA Method 8021			
77224	n-Propylbenzene	0.03	4.8
77128	Styrene	0.03	<0.3
77562	1,1,1,2-Tetrachloroethane	0.02	<0.2
34516	1,1,2,2-Tetrachloroethane	0.02	<0.2
34475	Tetrachloroethene	0.02	<0.2
78131	Toluene	0.02	<0.2
77613	1,2,3-Trichlorobenzene	0.02	<0.2
34551	1,2,4-Trichlorobenzene	0.02	<0.2
34506	1,1,1-Trichloroethane	0.02	<0.2
34511	1,1,2-Trichloroethane	0.02	<0.2
39180	Trichloroethene	0.02	<0.2
34488	Trichlorofluoromethane	0.02	0.6
77443	1,2,3-Trichloropropane	0.02	<0.2
77222	1,2,4-Trimethylbenzene	0.04	0.9
77226	1,3,5-Trimethylbenzene	0.02	<0.2
39175	Vinyl Chloride	0.02	<0.2
77135	o-Xylenes	0.02	1.1
85795	m & p Xylenes	0.02	<0.2

- ^a Elevated detection limits due to high analyte concentration; a 10x dilution necessary.
^b Elevated detection limits due to high analyte concentration; a 20x dilution necessary.
^c Elevated detection limits due to high analyte concentration; a 200x dilution necessary.



Clark J. Crosby
Laboratory Manager

CHAIN OF CUSTODY RECORD

I. NO. 316J.002	PROJECT NAME Chrysler, Kenosha					NO. OF CONTAINERS	TEST PARAMETERS VOCs 8021 DRO (WALK METHOD) DRO METHOD GRAIN SIZE ANALYSIS					SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
PERSONNEL: James Tobin												

#	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION												
	CB - SOIL FILE	03/18	1425		X	stock piled soils from Coal Bin	2	X	X									SOIL

SAMPLE CONDITION: 	SAMPLE LOCATION:
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ACQUIRED BY: James Tobin	DATE / TIME 03/21/99	RELINQUISHED BY:	DATE / TIME 	SPECIAL REQUESTS:
RECEIVED BY:	DATE / TIME 	RECEIVED BY:	DATE / TIME 	REPORT TO:

LABORATORY
 3150 North Brookfield Rd.
 Brookfield, WI 53045
 (414) 783-6111
 Fax (414) 783-5752

NAME:
 ADDRESS:
 PHONE:



SWANSON ENVIRONMENTAL INC.