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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 (Pile 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 sample 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

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

Sincerely,

TRIAD ENGINEERING INC.

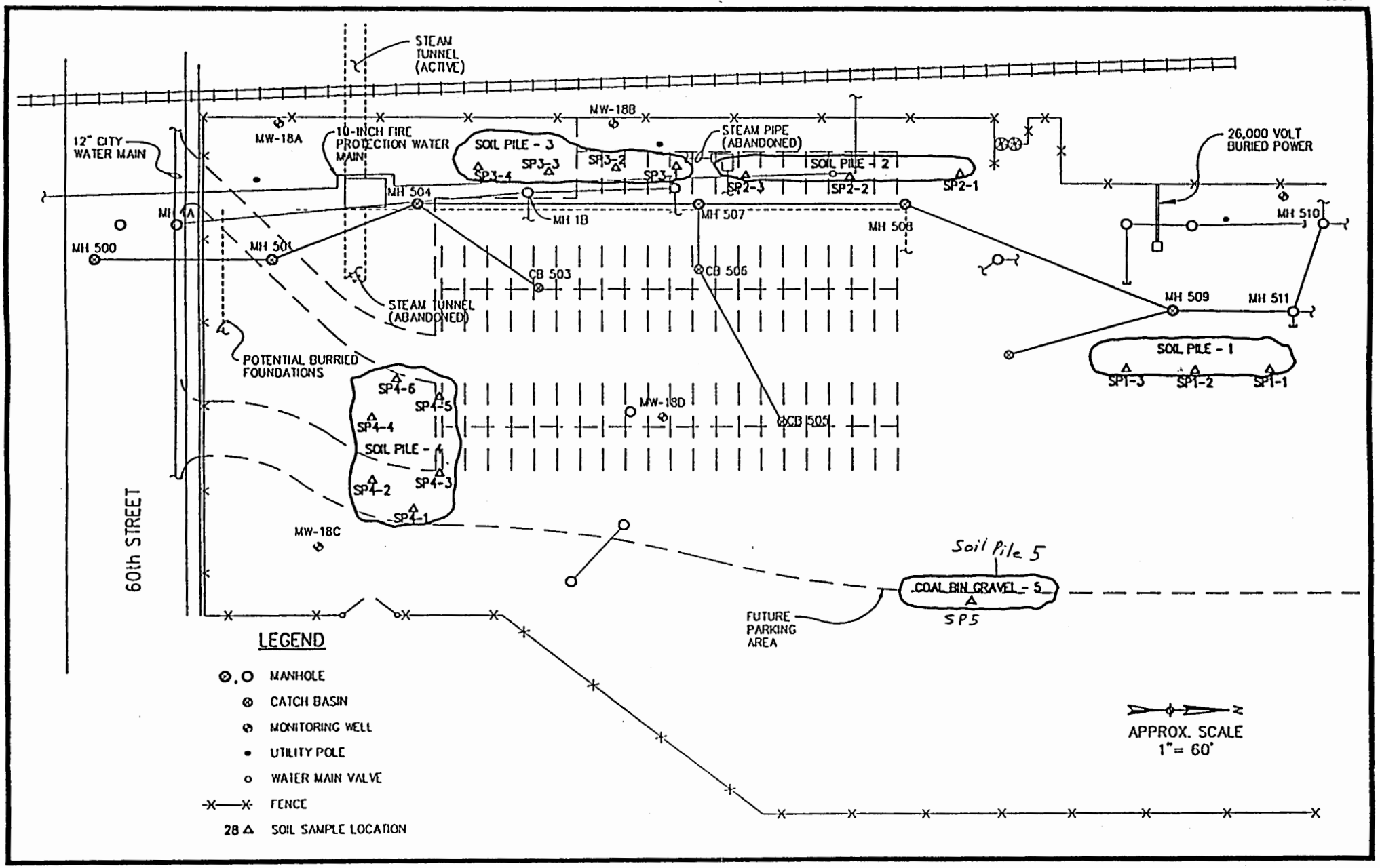
Richard J. Binder, CPG, CGWP
Project Manager

TRIAD ENGINEERING INC.

Ross M. Creighton
Hydrogeologist

RJB:klb
W943324\943224.3B\943324-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



TRIAD ENGINEERING INCORPORATED

FIGURE 1
CHRYSLER KENOSHA MAIN PLANT
SOIL PILE AND SAMPLE LOCATIONS

SWANSON ENVIRONMENTAL INC.

ANALYTICAL REPORT

Report Date: 06/23/94
Client Project: Chysler 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

Clark J. Crosby
Laboratory Manager

SWANSON ENVIRONMENTAL INC.

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

Matrix: Soil
Source: Chrysler - Kenosha

Units: mg/kg (ppm)

DATE EXTRACTED
DRO - 03/21/94

DATE ANALYZED
DRO - 03/25/94

DNR #	Analyte	SEI ID / Sample ID / POL	9848-5 Soil Pile
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.

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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)

DNR #	Analyte	SEI ID Sample ID PQL	9848-5[a] Soil Pile
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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DATE ANALYZED: 03/29/94

Matrix: Soil
Source: Chrysler - Kenosha

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID Sample ID PQL	9848-5[a] Soil Pile
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

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DATE RECEIVED: 03/21/94
DATE ANALYZED: 03/29/94

Matrix: Soil
Source: Chrysler - Kenosha

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID Sample ID PQL	9848-5[a] Soil Pile
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

J. NO.	PROJECT NAME	NO. OF CONTAINERS	TEST PARAMETERS	SAMPLE TYPE
3163.002	Chrysler, Kenosha		VOCs 8021 / DRO (WDNR modified DRO method) / GRAIN SIZE ANALYSIS	(Specify groundwater, soil, wastewater, sludge, etc.)

PLERS: James Tobin

EI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs 8021	DRO (WDNR modified DRO method)	GRAIN SIZE ANALYSIS	SAMPLE TYPE
	CB → SOIL PILE	03/18	1425		X	stockpiled soils from Coal Bin	2	X	X		SOIL

IPLE CONDITION:

SAMPLE LOCATION:

INQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME	SPECIAL REQUESTS:
James Tobi	03/21/94			
CEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**	**REPORT TO:**
				NAME:
				ADDRESS:
				PHONE:

LABORATORY
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