



January 5, 1994

Mr. Gregory M. Rose
Deactivation Environmental Specialist
Environmental and Energy Affairs
Chrysler Corporation, Featherstone Road Engineering Center
2301 Featherstone Road, CIMS 429-02-04
Auburn Hills, MI 48326

RECEIVED ENVIRONMENTAL & ENERGY AFFAIRS JAN 6 1994 RETAIN UNTIL: _____ FILE LOCATION: _____ REVIEWED BY: _____

**RE: Borehole/Geoprobe Subsurface Investigation
Chrysler Corporation
Kenosha Main Plant, Site MP-16
Triad Engineering Project No. W943046**

Dear Mr. Rose:

Triad Engineering Incorporated (Triad) conducted a soil boring/geoprobe subsurface investigation at Site MP-16 of the Chrysler Corporation (Chrysler) Kenosha Main Plant property. The purpose of the investigation was to assess the nature and extent of an apparent release observed during installation of monitoring well MW-45. Based on field observations, on-site gas chromatography and confirmatory laboratory analytical results, the extent of the release generally appears to be limited to soils and groundwater in the vicinity of MW-45. Evaluation of applicable remedial alternatives to address this area are currently being conducted as part of a comprehensive plan for the Kenosha Main Plant South Area.

Site background information, the completed scope of work, and investigation results are provided in the following sections of this report. Supporting documentation is included as attachments.

I. BACKGROUND

Based on information obtained from Chrysler, historical operations in the investigation area included electrostatic painting of rear axles (north end of former Building 6; south end of former Building 6-A) and rear axle assembly (Building 7). Approximate building locations are shown on Figure 1. Reportedly, all products used in this area were stored in above grade containers.

Volatile organic compounds (VOCs) were previously detected in groundwater samples collected from monitoring well MW-25 located south of the present investigation area. On September 22, 1993, soil boring monitoring well MW-45 was installed approximately 260 feet north of monitoring well MW-25 to further assess local soil and groundwater conditions.

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



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MW-45 is located within the foundation walls of former Building 6-A. Two soil samples collected from above the apparent water table (MW-45-2; 2 to 4 feet and MW-45-4; 6 to 8 feet) were submitted for laboratory analysis of VOCs (EPA Method 8021). In addition, one sample (MW-45-2; 2 to 4 feet) was submitted for metals analysis (cadmium, chromium, lead, nickel and zinc; EPA Method 6010), and a groundwater sample from MW-45 was submitted for VOC analysis.

Field documentation including field photoionization detector (PID) readings, soil boring logs, well construction/development information, and hydraulic conductivity test results was performed. This information, as well as laboratory analytical reports are contained in Appendix A. Further discussion regarding the installation of soil boring/monitoring well MW-45 is presented in a previous report (Groundwater Monitoring Report, September 1993).

A summary of constituents detected in soil and groundwater samples collected at MW-45 is provided in Tables 1 and 3, respectively. Metals concentrations were found to be generally within the common natural range for soils in Wisconsin. However, select VOCs were detected in soil and groundwater. Field observations and laboratory analytical results prompted the completion of a limited soil boring/geoprobe subsurface investigation to further assess the nature and extent of release in the former Building 6-A area.

II. SCOPE OF WORK

Site investigation activities included the installation of thirteen borings (45-A through 45-G; GP-1 through GP-6) on October 4, 1993. Subsurface exploration utilizing geoprobe techniques was also performed to obtain representative groundwater samples from boring locations GP-1 through GP-6. Each boring was advanced to the depth of 9 feet with the exception of GP-4 through GP-6 (8 feet), 45-E and 45-G (10 feet), and 45-C (5 feet). Rationale concerning boring/geoprobe placement and depth was as follows:

- Soil borings 45-A through 45-D were installed north of monitoring well MW-45 within former Building 7 to assess soil conditions north of the building 6-A foundation wall.
- Soil boring 45-E was installed within the foundation walls of former Building 26-A (east of MW-45) to assess soil conditions east of the former Building 6-A foundation wall.
- Soil boring 45-F was installed within the rail line area (west of MW-45) to assess soil conditions west of the former Building 6-A foundation wall.



- Soil boring 45-G was installed south of MW-45 to further assess soil conditions within former Building 6-A. Soil boring 45-G was installed on top of a bermed area (approximately 3 to 4 feet above surrounding grade).
- Soil boring GP-1 was installed immediately to the west of boring 45-F to assess soil and groundwater conditions adjacent to the Engine Plant property line.
- Soil boring GP-2 was installed within former Building 10 (north of boring 45-C) to assess soil and groundwater conditions in this area.
- Soil boring GP-3 was installed east of boring 45-E to assess soil and groundwater conditions along the east property line.
- Soil boring GP-4 and GP-5 were installed south of boring 45-G to assess soil and groundwater conditions in the area between monitoring wells MW-25 and MW-45, and MW-21A, respectively.
- Soil boring GP-6 was installed north and west of borings 45-C and GP-2 to assess soil and groundwater conditions adjacent to the Engine Plant property line.

Soil samples were collected continuously (two-foot intervals) at each boring location. A representative portion of sample obtained from each sampling increment was screened in the field for VOC presence by using headspace methods and a PID equipped with a 10.6 eV probe. Visual observations, apparent odors and/or staining were also documented. One soil sample was collected from above the water table (approximately 6 to 9 feet below the ground surface) at boring locations 45-A, 45-D, 45-E, 45-F, and 45-G, and GP-1 through GP-6. Each sample was submitted under chain-of-custody to a state-certified laboratory (Swanson Environmental Incorporated, SEI) for VOC analysis (EPA Method 8021). Sample depths are listed on Table 1.

Representative groundwater samples were collected from all 6 geoprobe locations for field GC analysis. The samples were field analyzed for trichloroethylene (TCE), tetrachloroethylene (PCE), benzene, and toluene. Groundwater samples collected from geoprobe locations GP-1, GP-3, GP-5, and GP-6 were submitted to SEI for VOC analysis (EPA Method 8021).

The locations/elevations of the soil borings and geoprobe locations were surveyed in the field. The elevation data is presented on the completed boring logs.

Further discussion of the investigation methods used are provided in Appendix B. Borehole logs and abandonment forms are contained in Appendix C.



III. INVESTIGATION RESULTS

A. Site Geology

Subsurface boring information indicates that the investigation area is generally paved by approximately 1 foot of concrete, which is in turn underlain by silty clay to clay material containing seams of silty sand or sand. Saturated conditions were encountered at a depth of approximately 8 to 9 feet. Based on historical water table elevation data for the Kenosha Plant, the water table in this area is generally flat. As such, groundwater flow direction is difficult to predict.

B. Field Observations and Analytical Results

Field screening results and other field observations are presented in Appendices C and D. Laboratory analytical reports are contained in Appendix E and are summarized on Tables 1, 2, and 3. Field and laboratory results for soil and groundwater are discussed below.

- Soil

Strong odor and elevated PID readings (greater than 10 instruments units) were observed for soil samples collected from above the apparent water table depth at locations 45-F, 45-G, GP-1, and GP-4. A chemical odor and elevated PID readings were observed for soil samples collected at (or below) the apparent water table at locations 45-A, 45-B, 45-D, and 45-E.

A summary of detected constituents in site soil samples is presented on Table 1. Total VOC concentrations ranged from below laboratory detection limits to 13.5 milligrams per kilogram (mg/kg). No VOCs were detected in samples analyzed from borings 45-D, 45-E, and GP-3.

- Groundwater

Field GC results for groundwater are summarized in Table 2. Groundwater samples from each geoprobe locations were field analyzed for TCE, PCE, benzene and toluene. Field GC results indicated that groundwater at GP-2 contained 6 micrograms per liter ($\mu\text{g/l}$) of TCE. Groundwater samples from the remaining geoprobe locations did not contain detectable concentrations of TCE or PCE. Water samples from GP-1 and GP-4 contained benzene at approximate concentrations of 1,103 $\mu\text{g/l}$ and 182 $\mu\text{g/l}$. Respectively, toluene was also detected in GP-1 at an approximate concentration of 121 $\mu\text{g/l}$.



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Additional samples were collected from GP-1, GP-3, GP-5 and GP-6 for confirmatory laboratory analysis of VOCs (EPA Method 8021). Insufficient sample volume was obtained from GP-2 and GP-4 for laboratory analysis. As shown in Table 3, VOCs were detected in all groundwater samples. Benzene (GP-1), cis-1, 2-dichloroethene (GP-5), naphthalene (GP-1), and vinyl chloride (GP-5 and GP-3) were detected at concentrations exceeding Chapter NR 140, Wisconsin Administrative Code (NR 140) Enforcement Standard (ES).

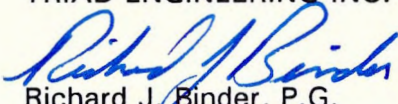
IV. SUMMARY AND CONCLUSIONS

Investigation results confirm a release to soils and groundwater in the investigation area. The approximate extent of the release to soils appears confined to the former Building 6 and 6-A areas. VOCs were detected in all confirmatory groundwater samples collected. VOCs were detected at concentrations exceeding NR 140 ESs at several sample locations. However, concentrations of detected constituents decrease significantly with distance radially from the apparent source area (in the vicinity of monitoring well MW-45). Evaluation of remedial alternatives for soils and groundwater in this area is currently being conducted as part of a comprehensive plan for the Kenosha Main Plant South Area.

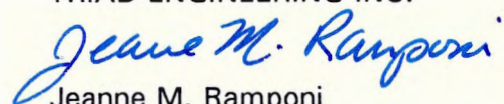
We trust this information meets your needs. If you have any questions or comments, please do not hesitate to call.

Sincerely,

TRIAD ENGINEERING INC.


Richard J. Binder, P.G.
Project Manager

TRIAD ENGINEERING INC.


Jeanne M. Ramponi
Project Hydrogeologist

Enclosures

JMR\klb

W943163\943163.006\943163-A

cc. Mr. Jack Bugno\Chrysler-Kenosha Main Plant
Mr. David Voight\Triad
Ms. Lori G. Bowman\Triad

FIGURE

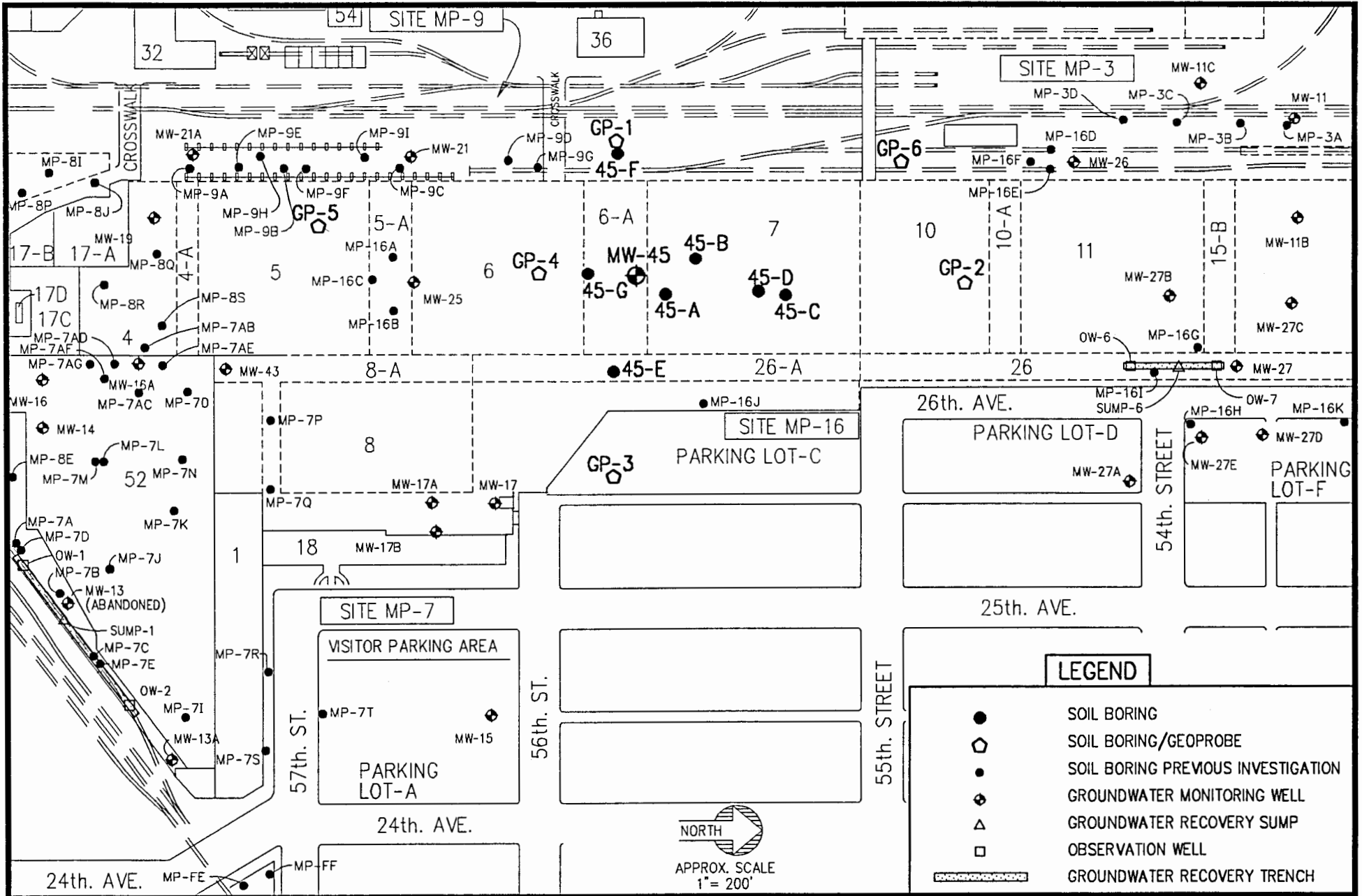


FIGURE 1
CHRYSLER KENOSHA MAIN PLANT
SITE LAYOUT AND SAMPLE LOCATIONS

TABLES

TABLE 1
SUMMARY OF DETECTED CONSTITUENTS IN SITE SOIL SAMPLES

Parameter	MW-45-2 09/22/92 B4284* 2-4'	MW-45-4 09/22/93 B4284* 6-8'	45-A 10/04/93 B4372* 3-5'	45-D 10/04/93 B4372* 3-5'	45-E 10/04/93 B4372* 6-8'	45-F 10/04/93 B4372* 3-5'	45-G 10/04/93 B4372* 6-8'	GP-1 10/04/93 B4369* 3-5'	GP-2 10/04/93 B4369* 3-5'	GP-3 10/04/93 B4369* 3-5'	GP-4 10/04/93 B4372* 3-5'	GP-5 10/04/93 B4372* 2-4'	GP-6 10/04/93 B4284* 4-6'	Common Natural Range Wisconsin****
VOCs (U.S. EPA METHOD 8021)														
Benzene	0.05	0.48	<0.02	<0.02	<0.02	2.8	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
n-Butylbenzene	0.02	0.11	<0.02	<0.02	<0.02	3.7	0.93	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
sec-Butylbenzene	0.11	<0.04	<0.02	<0.02	<0.02	<2.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
tert-Butylbenzene	0.03	0.37	<0.02	<0.02	<0.02	<2.5	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	
1,2-Dichloroethane	<0.02	0.05	<0.02	<0.02	<0.02	<2.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
1,1-Dichloroethane	<0.02	0.09	<0.02	<0.02	<0.02	<2.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
cis-1,2-Dichloroethane	0.84	1.2	<0.03	<0.03	<0.03	<3.8	<0.03	<0.03	0.08	<0.03	<0.03	0.04	<0.03	
Trans-1,2-Dichloroethane	<0.03	0.32	<0.03	<0.03	<0.03	<2.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	
Ethylbenzene	0.27	1.1	<0.02	<0.02	<0.02	<2.5	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Isopropylbenzene	<0.02	0.14	<0.02	<0.02	<0.02	<2.5	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	
Methylene Chloride	<0.05	0.12**	0.08**	<0.05	<0.05	<6.3	<0.05	<0.05	0.12**	<0.05	<0.05	<0.05	0.12**	
Naphthalene	0.07	<0.03	<0.03	<0.03	<0.03	<3.8	0.08	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	
Toluene	0.11	0.85	<0.02	<0.02	<0.02	<2.5	0.02	0.02	<0.02	<0.02	0.04	<0.02	0.03	
Trichloroethylene	0.13	3.0	0.40	<0.02	<0.02	<2.5	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	
1,2,4-Trimethylbenzene	<0.04	<0.04	<0.04	<0.04	<0.04	<5.0	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
1,3,5-Trimethylbenzene	<0.02	0.65	<0.02	<0.02	<0.02	<2.5	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
o-Xylenes	0.11	0.88	<0.02	<0.02	<0.02	7.0	0.03	<0.02	<0.02	<0.02	0.14	<0.02	<0.02	
m&p-Xylenes	0.15	0.93	<0.02	<0.02	<0.02	<2.5	0.14	0.05	<0.02	<0.02	0.04	<0.02	<0.02	
TOTAL VOCs	1.89	10.09	0.48	-	-	13.5	1.87	0.07	0.25	-	0.3	0.07	0.15	
Field PID readings (f.u.) ***	297	623	0.8	0.0	0.0	497	453	11.8	0.0	0.2	324	3.1	0.0	
Metals (U.S. EPA Method 6010)														
Cadmium	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.01 - 7
Chromium	22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5 - 200
Lead	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15 - 25
Nickel	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10 - 100
Zinc	79	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3 - 75

All results in milligrams per kilogram (mg/kg)

VOCs - volatile organic compounds

N/A - Not Analyzed

* Laboratory report number, analyses by Swanson Environmental, Inc., 3150 North Brookfield Road, Brookfield, WI 53045 (State of Wisconsin Certification #288181780)

** Methylene chloride is a commonly used solvent in the laboratory. The result may be biased high.

*** PID: Photoionization detector, i.u., instrument units

**** Per Wisconsin Department of Natural Resources Memorandum by Bob Schaefer, June 20, 1980.

Note: Only the detected VOCs are listed

TABLE 2
SUMMARY OF GROUNDWATER FIELD GAS CHROMATOGRAPH RESULTS

Parameter	GP-1* 10/04/93	GP-2* 10/04/93	GP-3* 10/04/93	GP-4 10/04/93	GP-5* 10/04/93	GP-6 10/04/93
Benzene	>1103	<10	<10	182	<10	<10
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Toluene	121	<10	<10	<10	<10	<10
Trichloroethylene	<1	6	<1	<1	<1	<1

All results in micrograms per liter ($\mu\text{g/l}$)
 < Approximate detection limit
 Analyses by Briohn Environmental, Kenosha, Wisconsin

**TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**

PARAMETER	Previous Investigation MW-45 09/22/93 B4284*	GP-1 10/04/93 B4364*	GP-3 10/04/93 B4369*	GP-5 10/04/93 B4369*	GP-6 10/04/93 B4364*	NR 140**	
						ES	PAL
VOCs (US EPA METHOD 8021)							
Benzene	9230	2,200	<0.5	<2.5	<0.5	5	.067
n-Butylbenzene	< 500	31	<0.5	<2.5	<0.5	***	***
sec-Butylbenzene	< 500	20	<0.8	<4.0	<0.8	***	***
tert-Butylbenzene	< 500	80	<0.5	<2.5	<0.5	***	***
Chloroform	< 250	< 10	1.0	<2.5	<0.5	6	.6
1,1-Dichloroethane	< 250	< 12	<0.6	<3.0	1.1	850	85
cis-1,2-Dichloroethene	133,000	< 12	3.0	110	7.0	100	10
trans-1,2-Dichloroethene	< 250	< 14	<0.7	22	<0.7	100	20
Ethylbenzene	< 500	340	<0.5	<2.5	<0.5	1,360	272
p-Isopropyltoluene	< 500	10	<0.5	<2.5	<0.5	***	***
Methylene chloride	< 1250	48	<2.0	< 10	<2.0	150	15
Naphthalene	< 500	110	<0.7	<3.5	<0.7	40	8
Toluene	< 1000	64	<0.5	<2.5	<0.5	343	68.6
Trichloroethylene	16,400	< 10	<0.5	<2.5	<0.5	5	0.18
1,1,1-Trichloroethane	< 250	< 10	<0.5	<2.5	2.0	200	40
Vinyl chloride	8170	< 10	2.0	38	<0.5	.2	.0015
o-Xylenes	< 500	47	<0.5	<2.5	<0.5	620 (total xylenes)	124 (total xylenes)
mp-Xylenes	< 500	150	<0.5	<2.5	<0.5	620 (total xylenes)	124 (total xylenes)

All results in micrograms per liter (ug/l)

ES = Enforcement Standard VOCs - volatile organic compounds

PAL = Preventive Action Limit

Note: Only the detected VOCs are listed

* Laboratory report number, analyses by Swanson Environmental, Inc., 3150 North Brookfield Road, Brookfield, WI 53045, State of Wisconsin Certification #268181760

** Per Chapter NR 140 Wisconsin Administrative Code

*** No standards currently exist

APPENDICES

APPENDIX A

MW-45 DOCUMENTATION

**SOIL AND GROUNDWATER LABORATORY DOCUMENTATION
CHAIN-OF-CUSTODY FORMS
FIELD HNU PHOTOIONIZATION DETECTOR SUMMARY FORM
BOREHOLE LOG
WELL CONSTRUCTION LOG
WELL DEVELOPMENT LOG
HYDRAULIC CONDUCTIVITY TESTING RESULTS**

Facility/Project Name Chrysler Corporation		License/Permit/Monitoring Number		Boring Number MW-45	
Boring Drilled By (Firm name and name of crew chief) Soils and Engineering Services, J. Patterson		Date Drilling Started 9/22/93		Date Drilling Completed 9/22/93	
DNR Facility Well No.		WI Unique Well No.		Common Well Name MW-45	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location State Plane SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E		Lat 0 1 " Long 0 1 "		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Kenosha		DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1	14	4	0-1	0-0.7 feet TOPSOIL.	OL			11.2							
		6	1-1	0.7-2.0 feet CLAY, trace sand, medium, non-plastic, yellowish brown (10 YR 5/4), dry.	CL										
2	16	6	2-2	2.0-4.0 feet CLAY, trace sand, medium, non-plastic, yellowish brown (10 YR 5/4), to greenish black, strong solvent-like odor, dry.	CL			297.0							
		6	3-3												
		7	4-4												
3	24	3	4-4	4.0-6.0 feet CLAY, greenish-gray, strong solvent-like odor, moist.	CL			513.0							
		4	5-5												
		5	6-6												
4	23	2	6-6	6.0-8.0 feet SANDY CLAY, seams of sandy silt, non-plastic, gray (10 YR 5/1), strong solvent-like odor, moist.	CL			623.0							
		2	7-7												
		3	8-8												
		4	9-9												
5	19	7	8-8	8.0-10.0 feet SILTY SAND, dark grayish brown (10 YR 4/2), strong solvent-like odor, wet.	SM			575.0							
		7	9-9												
		7	10-10												
		9	11-11												
		12	12-12												

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

Signature <i>Jean Rayner</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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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.

Facility/Project Name CHRYSLER CORPORATION	Local Grid Location of Well _____ ft. <input type="checkbox"/> N <input type="checkbox"/> S _____ ft. <input type="checkbox"/> E <input type="checkbox"/> W	Well Name MW-45
Facility License, Permit or Monitoring Number _____	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source SW 1/4 of SE 1/4 of Sec. 36, T. 2 N, R. 22 E.	Date Well Installed 09/22/93 m m d d y y
Distance Well Is From Waste/Source Boundary _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) SOILS AND ENGINEERING SERVICES, PATTERSON
Is Well A Point of Enforcement Std. Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation 626.87 ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation 626.45 ft. MSL	2. Protective cover pipe: a. Inside diameter: 3.0 in. b. Length: 7.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation 624.4 ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom 623.4 ft. MSL or 1.0 ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Backfill <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input checked="" type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. BADGER MINING CO. 40-60 b. Volume added _____ ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name and mesh size a. RED FLINT SAND AND GRAVEL 35-45 b. Volume added 5 BAGS ft ³
17. Source of water (attach analysis): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top 623.4 ft. MSL or 1.0 ft.	10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top 619.4 ft. MSL or 5.0 ft.	b. Manufacturer _____ c. Slot size: 0.010 in. d. Slotted length: 10.0 ft.
G. Filter pack, top 618.9 ft. MSL or 5.5 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top 618.4 ft. MSL or 6.0 ft.	
I. Well bottom 608.4 ft. MSL or 16.0 ft.	
J. Filter pack, bottom 607.9 ft. MSL or 16.5 ft.	
K. Borehole, bottom 607.9 ft. MSL or 16.5 ft.	
L. Borehole, diameter 7.6 in. O.D.	
M. O.D. well casing 2.0 in.	
N. I.D. well casing _____ in.	

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

Signature: Deane Raymond Firm: TRIAD ENGINEERING INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Route to: Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>Chrysler Corporation</u>	County Name <u>Kenosha</u>	Well Name <u>MW-45</u>
Facility License, Permit or Monitoring Number _____	County Code <u>30</u>	Wis. Unique Well Number _____
		DNR Well Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 16.5 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 3.9 gal.

7. Volume of water removed from well 50.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>9.69</u> ft.	_____ ft.
Date	b. <u>09/27/93</u> m m d d y y	<u>09/27/93</u> m m d d y y
Time	c. <u>09:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>MUDDY</u> <u>BROWN</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>MUDDY</u> <u>BROWN</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l

15. COD _____ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: GREG MEINHOLZ

Firm: TRIAD ENGINEERING

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

Signature: Greg Meinholz

Print Initials: GJM

Firm: TRIAD ENGINEERING

HNU PI-101 INSTRUMENT SET-UP AND FIELD RECORD

Operator: J. Ramponi
 Date: 9/22/93
 Site: Chrysler Corp.
 Weather: Partly Sunny 65 Degrees F

Media Sampled (Soil, Groundwater, Waste {type}) Soil

Instrument No.: 41907-266
 Model 580B

Probe Identification: 10.6 eV

Calibration Gas:
 Gas Type Isobutylene
 Batch #
 Bottle I.D. Lot 36517

Battery: O.K.
 Zero: 2.3
 Calibration: 250
 Span Setting: -

Sample #	Location	Depth* (ft)	Time Sampled	Time Analyzed	Background Response	Peak Response	Comments
-1	MW 45	0-2	1150	1318	1.3	11.2	
-2	MW 45	2-4	1152	1319	0.7	297	Strong solvent-like odor
-3	MW 45	4-6	1154	1320	1.3	513	Strong solvent-like odor
-4	MW 45	6-8	1156	1321	1.8	623	Strong solvent-like odor
-5	MW 45	8-10	1158	1322	1.8	575	Saturated sand

SLUG/PUMP TEST DATA

PROJECT NAME/NUMBER: Chrysler Corporation / W943046

WELL NUMBER: MW-45

DATE: September 27, 1993

STATIC WATER LEVEL (S.W.L.): 9.69'

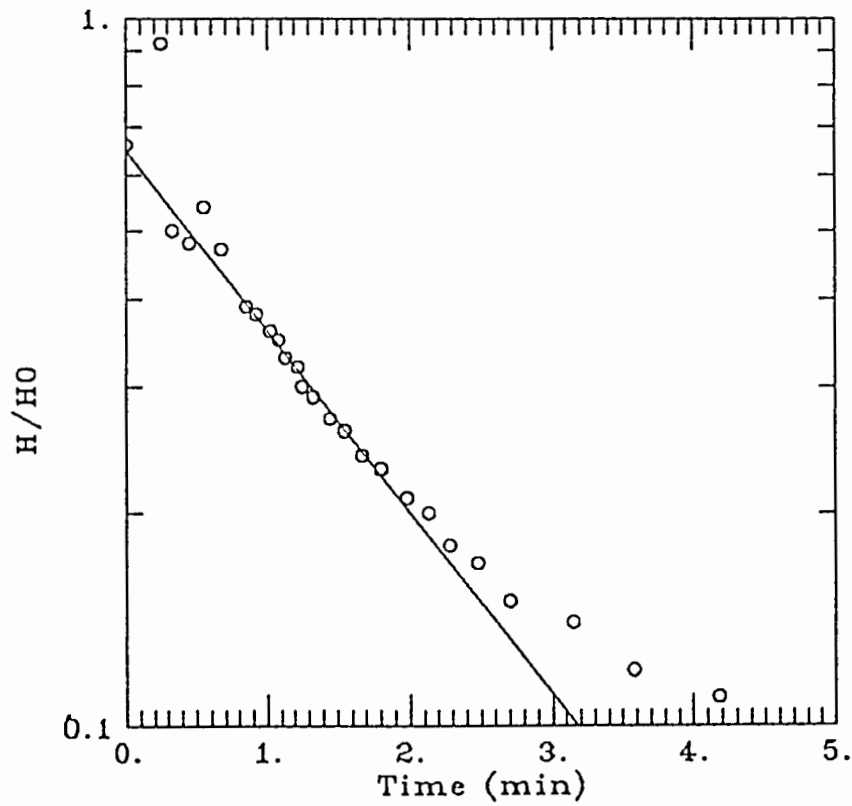
TIME MEASURED S.W.L.: ---

EQUIPMENT: Bailer, Water Level Indicator, Stopwatch

TIME (minutes)	WATER DEPTH (feet)
0	10.35
.25	10.3
.33	10.02
.45	10.01
.55	10.05
.67	10.00
.85	9.95
.92	9.94
1.02	9.93
1.08	9.92
1.13	9.91
1.22	9.9
1.25	9.89
1.33	9.88
1.45	9.87
1.55	9.86
1.67	9.85
1.8	9.84
1.98	9.83
2.13	9.82
2.28	9.81
2.48	9.8
2.7	9.79
3.15	9.78
3.58	9.77
4.18	9.76

SLUG/PUMP TEST

MW45



DATA SET:

mw45
11/11/93

AQUIFER TYPE:

Unconfined

SOLUTION METHOD:

Bouwer-Rice

ESTIMATED PARAMETERS:

K = 0.001168 ft/min
y0 = 0.648 ft

TEST DATA:

H0 = 0.66 ft
rc = 0.167 ft
rw = 0.667 ft
L = 10. ft
b = 90. ft
H = 6.91 ft

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 11, 1993
 PURCHASE ORDER:
 SEI NO: WL7425
 DATE COLLECTED: 09/22/93
 DATE RECEIVED: 09/23/93
 DATE ANALYZED: 09/30/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID Sample ID	7425-1	7425-2
			MW 45-2 2-4'	MW 45-4 6-8'
EPA Method 8021				
78124	Benzene		0.05	0.48
81555	Bromobenzene		<0.02	<0.02
77297	Bromochloromethane		<0.02	<0.02
32101	Bromodichloromethane		<0.02	<0.02
32104	Bromoform		<0.02	<0.02
34413	Bromomethane		<0.02	<0.02
77342	n-Butylbenzene		0.02	0.11
77350	sec-Butylbenzene		0.11	<0.04
77353	tert-Butylbenzene		0.03	0.37
32102	Carbon tetrachloride		<0.02	<0.02
34301	Chlorobenzene		<0.02	<0.02
34306	Chlorodibromomethane		<0.02	<0.02
34311	Chloroethane		<0.02	<0.02
32106	Chloroform		<0.02	<0.02
34418	Chloromethane		<0.02	<0.02
77275	2-Chlorotoluene		<0.02	<0.02
77277	4-Chlorotoluene		<0.02	<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02	<0.02
77651	1,2-Dibromoethane		<0.02	<0.02
77596	Dibromomethane		<0.02	<0.02

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

Attn: Mr. Rick Binder
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DATE: October 11, 1993
 PURCHASE ORDER:
 SEI NO: WL7425
 DATE COLLECTED: 09/22/93
 DATE RECEIVED: 09/23/93
 DATE ANALYZED: 09/30/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID Sample ID	7425-1	7425-2
			MW 45-2 2-4'	MW 45-4 6-8'
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.02	<0.02
34566	1,3-Dichlorobenzene		<0.02	<0.02
34571	1,4-Dichlorobenzene		<0.03	<0.03
34668	Dichlorodifluoromethane		<0.02	<0.02
34496	1,1-Dichloroethane		<0.03	<0.03
32103	1,2-Dichloroethane		<0.02	0.05
34501	1,1-Dichloroethene		<0.02	0.09
77093	cis-1,2-Dichloroethene		0.84	1.2
34546	trans-1,2-Dichloroethene		<0.03	0.32
34541	1,2-Dichloropropane		<0.02	<0.02
77173	1,3-Dichloropropane		<0.02	<0.02
77170	2,2-Dichloropropane		<0.03	<0.03
77168	1,1-Dichloropropene		<0.02	<0.02
78113	Ethylbenzene		0.27	1.1
34391	Hexachlorobutadiene		<0.03	<0.03
77223	Isopropylbenzene		<0.02	0.14
77356	p-Isopropyltoluene		<0.02	<0.02
34423	Methylene chloride		<0.05	0.12
34696	Naphthalene		0.07	<0.03

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 11, 1993
 PURCHASE ORDER:
 SEI NO: WL7425
 DATE COLLECTED: 09/22/93
 DATE RECEIVED: 09/23/93
 DATE ANALYZED: 09/30/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID Sample ID	7425-1	7425-2
			MW 45-2 2-4'	MW 45-4 6-8'
EPA Method 8021				
77224	n-Propylbenzene		<0.03	<0.03
77128	Styrene		<0.03	<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02	<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02	<0.02
34475	Tetrachloroethene		<0.02	<0.02
78131	Toluene		0.11	0.85
77613	1,2,3-Trichlorobenzene		<0.02	<0.02
34551	1,2,4-Trichlorobenzene		<0.02	<0.02
34506	1,1,1-Trichloroethane		<0.02	<0.02
34511	1,1,2-Trichloroethane		<0.02	<0.02
39180	Trichloroethene		0.13	3.0
34488	Trichlorofluoromethane		<0.02	<0.02
77443	1,2,3-Trichloropropane		<0.02	<0.02
77222	1,2,4-Trimethylbenzene		<0.04	<0.04
77226	1,3,5-Trimethylbenzene		<0.02	0.65
39175	Vinyl chloride		<0.02	<0.02
77135	o-Xylenes		0.11	0.68
85795	m & p Xylenes		0.15	0.93

NOTE: Results for metals will be forwarded as available.

Gary E. Barry
 Gary E. Barry
 Projects Coordinator

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284

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

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED 10/15/93 JP, LB

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm) (Dry Weight)

<u>Analyte</u>	<u>SEI ID</u>	<u>Sample ID</u>
	7425-1	
	MW 45-2	
		<u>2-4'</u>
Cadmium		7
Chromium		22
Lead		30
Nickel		18
Zinc		79

PROJ. NO.		PROJECT NAME					NO. OF CONTAINERS	TEST PARAMETERS							SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)			
SAMPLERS:		SEI #	STA. NO.	DATE	TIME	COMP.		GRAB	STATION LOCATION	VOCS (10/21)	Cadmium (10/6/93)	Chromium (10/6/93)	Lead (10/6/93)	Nickel (10/6/93)		Zinc (10/6/93)		
11943046																		
J Rumpore																		
	45-2	2-22-93	1152			X		MW 45-2 (2-4')	X	X	X	X	X	X			SOIL	
	45-4	2-22-93	1156			X		MW 45-4 (6-8')	X								SOIL	

SAMPLE CONDITION:

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
<i>[Signature]</i>	1/29/94	<i>[Signature]</i>	1/29/94
RECEIVED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
<i>[Signature]</i>	1/29/94	<i>[Signature]</i>	1/29/94

SPECIAL REQUESTS: On 10/6/93 requested Delo Keaton to run Metals on sample MW45-2

REPORT TO: FILE ENR/RR FINE CHEM/IVL

NAME: 325 C MILWAU ST.

ADDRESS: MILWAU. WISCONSIN 53202

PHONE: 414 291 8840



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

APPENDIX B
METHODS OF INVESTIGATION

METHODS OF INVESTIGATION

Each boring was installed using hollow stem auger techniques. Utility clearances and access to the drilling sites was confirmed with Chrysler Corporation prior to any site activities. All boring tools were steam cleaned off site prior to site drilling and between boring locations. All soil cuttings and decontamination water were drummed and labeled in the field. The location/elevation of each boring/geoprobe was surveyed in the field.

Soil samples were collected continuously using split-spoon sampling in accordance with ASTM Method D1586-84 in order to characterize subsurface conditions. The borings were logged and soil described in the field via ASTM Method D-2488-90. A representative portion of sample obtained at two-foot intervals was screened in the field for the presence of volatile organic compounds (VOCs) with a Thermal Environmental Instrument Model 580B photoionization detector (PID). Soil samples collected above the water table at borings 45-A, 45-D 45-E, 45-F, and 45-G were submitted for laboratory analysis of VOCs (EPA Method 8021).

Soil samples were collected continuously at geoprobe locations (GP-1 through GP-6) using Briohn Environmental's geoprobe unit equipped with a two-foot, thin wall, soil sampler. The soil sampler was driven to the desired sampling depth using the hydraulic ram and hammer on the geoprobe. Once the sampler reached the desired depth, the sampler was opened by removing the stop pin in the sampler. The drive point piston was then free to move up the sampler. The sampler was then driven an additional two feet to push a sample into the sampler. The soil sample was preserved in a 1-inch diameter by two-foot acetate liner inside the sampler. The sampler was decontaminated and a new liner was installed before each sample was collected. A representative portion of sample obtained at each sampling depth was field screened for the presence of VOCs with a PID. One soil sample was collected at each geoprobe location at a depth above the water table, and submitted for laboratory analysis of VOCs (EPA Method 8021).

Six groundwater samples were collected for field analysis using the geoprobe's groundwater sampler. A slotted well point was driven the estimated depth of groundwater (9 feet) using the hydraulic ram on the geoprobe. Groundwater was then pumped up the probe rods using a check ball system and 3/8-inch polyethylene tubing. The slotted well point was decontaminated after each sample and new tubing was used to collect each groundwater sample.

The samples were field screened for trichloroethylene (TCE) and tetrachloroethylene (PCE) using the gas chromatograph (GC) laboratory in the geoprobe van. The GC is a Model HP 5890 and is equipped with J & W Scientific DB-624 Megabore capillary column specifically designed for analyzing VOCs. The GC is also equipped with an HNu photoionization detector (PID), a flame ionization detector (FID), and an electron capture detector (ECD). Samples were analyzed using a wet headspace method. Twenty milliliters (ml) of groundwater sample were added to a sterilized 40 ml volatile organic analysis sample vial. The contents of the vial were then heated in a block heater for 15 minutes at 90°C to drive off the volatiles. A 500 microliter (ul) sample was then drawn out through a teflon septum in the vial using a 1 ml Hamilton Gastight syringe. The sample was immediately injected into the GC through the

GC's direct injection packed inlet system, and analysis was initiated. Each sample was analyzed for TCE and PCE using the ECD detector in the GC. Additional water samples collected from geoprobe locations, GP-1, GP-3, GP-5, and GP-6 were also submitted for laboratory analysis of VOCs (EPA Method 8021).

Soil and groundwater samples collected for laboratory analysis were submitted to a state-certified laboratory. All samples collected for laboratory analysis were placed in laboratory-supplied sample containers, preserved with laboratory-supplied preservative, as appropriate, and immediately placed on ice for delivery under chain-of-custody to the laboratory.

APPENDIX C

BORING LOGS AND BOREHOLE ABANDONMENT FORMS

Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number 45-A	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 623.1 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location State Plane 220374.69 N, 2581454.89 E			Lat 01°		Local Grid Location (If applicable)	
SW 1/4 of SE 1/4 of Section 36 T 2 N, R 22 E			Long 01°		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments			
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200				
				0-1.0 feet FILL, concrete.													
1	12	2	1	1.0-3.0 feet SILTY CLAY, trace gravel, non-plastic, black-green, no odor, dry.	CL			0									
2	20	2	3	3.0-8.5 CLAY, trace gravel, non plastic, black (10 YR 2/1), to grayish brown (10 YR 5/2), mottled orange, no odor, dry (3-5'), moist (5-7'), wet (7-8.5').	CL			0.8									
		3	4														
		2	5														
3	18	2	5	8.5-9.0 feet SILTY SAND, fine, trace gravel, grayish brown (10 YR 5/2), strong solvent like odor, wet. EOB 9.0 feet	SM			12.9									
		3	6														
		3	7														
		2	8														
4	20	3	7					41.6									
		2	8														
		6	8														
		7	9														

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

Signature <i>Jean M. Kayson</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
------------------------------------	---

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.

Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number 45-B
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93	Date Drilling Completed 10/4/93	Drilling Method HSA 4.25 ID
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation 623.1 Feet MSL	Borehole Diameter 8.0 Inches
Boring Location State Plane 220419.93 N, 2581402.20 E			Lat 0 11 "	Local Grid Location (If applicable)	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long 0 11 "	Feet <input type="checkbox"/> N <input type="checkbox"/> E	Feet <input type="checkbox"/> S <input type="checkbox"/> W
County Kenosha		DNR County Code 30	Civil Town/City/ or Village City of Kenosha		

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
				0-1.0 feet FILL, concrete.											
1	8	2	1	1.0-3.0 feet CLAY, trace gravel, trace silt, non-plastic, black (10 YR 2/1), to yellowish brown (10 YR 5/4), no odor, moist.	CL			0.2							
2	20	1	3	3.0-5.0 feet CLAY, trace gravel, non-plastic, black (10 YR 2/1), to very dark grayish brown (10 YR 3/2), silty clay, non-plastic, pale brown (10 YR 6/3), no odor, moist.	CL			0.0							
3	22	1	5	5.0-7.0 feet CLAY, trace gravel, fine, non-plastic, pale brown (10 YR 6/3), to very dark grayish brown (10 YR 3/2), strong gasoline-like odor, moist.	CL			32.8							
4	18	2	7	7.0-8.5 feet CLAY, trace gravel, fine, very dark, grayish brown (10 YR 3/2), strong gasoline-like odor, moist.	CL			517.0							
			9	8.5-9.0 feet 6" SILTY SAND, fine, dark gray (10 YR 4/1), strong gasoline-like odor, wet. EOB 9.0 feet	SM										

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

Signature <i>Jeane M. Ranponi</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
--------------------------------------	---

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Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number 45-C	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 623.1 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location State Plane 220553.79 N, 2581456.44 E			Lat 01"		Local Grid Location (If applicable)	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long 01"		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1	24	2	1	<u>0-1.0 feet FILL, concrete.</u>											
2		4	2	<u>1.0-5.0 feet SILTY SAND, fine, trace gravel, black (10 YR 2/1), sand fine, dark yellowish brown (10 YR 4/6), to very dark brown (10YR 2/2), no odor, dry.</u>	SM			0.0							
		4	3					0.2							
			5	<u>Drilled into rock or concrete, EOB 5.0 feet.</u>											

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

Signature <i>Jeanne M. Ramsey</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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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.

Facility/Project Name Chrysler Corporation		License/Permit/Monitoring Number		Boring Number 45-D	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson		Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation 623.1 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location State Plane 220514.21 N, 2581450.67 E		Lat ° ' "		Local Grid Location (If applicable)	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E		Long ° ' "		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Kenosha		DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
				0-1.0 feet FILL, concrete.											
1	23	1	1	1.0-3.0 feet SILTY SAND, fine, dark yellowish brown (10 YR 4/4), no odor, slightly moist.	SM			0.0							
2	12	1	2	3.0-5.0 feet SILTY SAND, fine, dark yellowish brown (10 YR 4/4), no odor, slightly moist.	SM			0.0							
3	10	1	3	5.0-7.0 feet CLAY, non-plastic, brown (10 YR 5/3), to very dark grayish brown (10 YR 3/2), soft, no odor, dry.	CL			0.2							
4	20	3	4	7.0-8.0 CLAY, non-plastic, brown (10 YR 5/3), gasoline-like odor, moist.	CL			3.7							
		4	5	8.0-9.0 feet (12") SILTY SAND, fine, black (10 YR 2/1), to gray (10 YR 5/1), gasoline-like odor, wet.	SM										
		7	6	EOB 9.0 feet											

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

Signature 	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number 45-E	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 626.3 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location State Plane 220297.06 N, 2581568.08 E			Lat 01"		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long 01"		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	24		0.0 - 0.8	0-0.8 feet TOPSOIL.	OL			0.0						
			0.8 - 2.0	0.8-2.0 feet CLAY, non-plastic, very dark grayish brown (10 YR 3/2), to brown (10 YR 4/3), no odor, dry.	CL									
2	21	3 5 9 11	2.0 - 3.5	2.0-3.5 feet CLAY, organic, non-plastic, very dark gray (10 YR 3/1), no odor, dry.	OL			0.2						
			3.5 - 4.0	3.5-4.0 feet SILTY SAND, fine, trace gravel, fine, dark yellowish brown (10 YR 4/6), no odor, dry.	SM									
			4.0 - 4.5	4.0-4.5 feet CLAY, organic, non-plastic, very dark grayish brown (10 YR 3/2), no odor, dry.	OL			0.0						
3		5 6 6 6	4.5 - 6.0	4.5-6.0 SILTY SAND, trace clay, gravel, fine, medium plastic, dark yellowish brown (10 YR 4/6), to brown (10 YR 4/3), no odor, moist.	SM									

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

Signature <i>Dean M. Raynor</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Facility/Project Name Chrysler Corporation		License/Permit/Monitoring Number		Boring Number 45-F	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson		Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation 624.0 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location State Plane 220303.19 N, 2581247.96 E				Local Grid Location (If applicable)	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E				Lat 0' " <input type="checkbox"/> N <input type="checkbox"/> E Long 0' " Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
County Kenosha		DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
			0-1.0	0-1.0 feet FILL, concrete.											
1	18	3	1.0	1.0-2.0 feet SAND, fine to medium, trace gravel, black (10 YR 2/1), to dark yellowish brown (10 YR 4/4), strong solvent-like odor, moist.	SP			282							
		1	1.5												
		2	2.0	2.0-3.0 feet CLAY, slightly plastic, very dark gray (10 YR 3/1), strong solvent-like odor, moist.	CL										
2	16	2	3.0	3.0-4.0 feet SAND, fine to medium, trace gravel, black (10 YR 2/1), to dark yellowish brown (10 YR 4/4), strong solvent-like odor, moist.	SW			497							
		1	3.5												
		3	4.0	4.0-5.0 feet SILTY CLAY, non-plastic, gray-green, strong solvent-like odor, moist.	CL										
		2	4.5												
3		1	5.0	5.0-6.0 feet SAND, fine to medium, trace gravel, black (10 YR 2/1), to dark yellowish brown (10 YR 4/4), strong solvent-like odor, moist.	SW			283							
		2	5.5												
		1	6.0												

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




Signature 	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Boring Number **45-F**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number	Length (in) Recovered								Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
4		2 1 3 7	6.5	6.0-7.0 feet SILTY CLAY, non-plastic, gray-green, strong solvent-like odor, moist.	CL			612						
			7.0	7.0-8.0 feet SAND, medium to fine, trace gravel, black (10 YR 2/1), to gray (10 YR 5/1), to dark brown (10 YR 3/3), strong solvent-like odor, wet.	SW									
			8.0	8.0-9.0 feet CLAY, slightly plastic, green-gray, strong solvent-like odor, wet.	CL									
			9.0	<u>EOB 9.0 feet</u>										

Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number 45-G	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 626.6 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location State Plane 220259.07 N, 2581424.50 E			Lat 01"		Local Grid Location (If applicable)	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long 01"		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1	12	0	0.0 - 1.0	0-1.0 feet 10" TOPSOIL.	PT			0.2							
			1.0 - 2.0	1.0-2.0 feet CLAY, non-plastic, dark brown (10 YR 3/3), no odor, dry.	CL										
2	14	1 2 1 1	2.0 - 4.0	2.0-4.0 feet CLAY, organic, non-plastic, dark brown (10 YR 3/3), no odor, slightly moist.	OL			0.8							
3	14	3 3 6 6	4.0 - 4.7	4.0-4.7 feet CLAY, organic, non-plastic, dark brown (10 YR 3/3), solvent-like odor.	OL			62							
			4.7 - 5.4	4.7-5.4 feet SILTY CLAY, greenish brown, solvent-like odor.	CL										
			5.4 - 6.0	5.4-6.0 feet SILTY SAND, fine, greenish brown, solvent-like odor, moist.	SM										

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

Signature <i>Jean M. Rayzi</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number GP-1	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 624.0 Feet MSL		Borehole Diameter 2.0 Inches	
Boring Location State Plane 220301.36 N, 2581228.67 E			Lat 01° 11' 00" N		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E	
SW 1/4 of SE 1/4 of Section 36 T 2 N, R 22 E			Long 089° 01' 00" W		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1	1	1	0	0-3.0 feet FILL, concrete, gravel, fine.	GP										
			1	11.8											
			2												
			3												
2	2	2	3	3.0-5.0 feet SILTY SAND, fine to medium grained, black (10 YR 2/1), no odor, dry.	SM	173.2									
			4												
			5												
3	3	3	6	5.0-7.0 feet silty sand, trace clay, non-plastic, black (10 YR 2/1), solvent-like odor, moist.	SM	218.0									
			7												
3	3	3	8	7.0-9.0 feet CLAYEY SILT, non-plastic, black (10 YR 2/1), solvent-like odor, wet.	ML										
			9												
				EOB 9.0 feet											

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

Signature 	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number GP-2	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
Drilling Method GEOPROBE			Final Static Water Level Feet MSL		Surface Elevation 622.8 Feet MSL	
DNR Facility Well No.		WI Unique Well No.	Common Well Name		Borehole Diameter 2.0 Inches	
Boring Location State Plane 220819.99 N, 2581438.88 E			Lat 01"		Local Grid Location (if applicable) <input type="checkbox"/> N <input type="checkbox"/> E	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long 01"		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	1		1	0-1.0 feet FILL, concrete.										
			2	1.0-7.0 feet SILTY SAND, fine to medium grained, black (10 YR 2/1), no odor, dry. Moist below 5 feet.	SM			5.4						
			3						0.0					
			4						0.0					
2	2		5	7.0-8.0 feet SILTY SAND, fine to medium grained, black (10 YR 2/1), no odor.	SM			0.8						
			6	8.0-9.0 feet SILTY CLAY, non-plastic, gray (10 YR 5/1), no odor, wet.	CL									
3	3		7	EOB 9.0 feet										
			8											
4	4		9											
			10											

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

Signature 	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number GP-3	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 624.1 Feet MSL		Borehole Diameter 2.0 Inches	
Boring Location State Plane 220296.67 N, 2581722.84 E			Lat 01"		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long 01"		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	1		0-1.0 feet	TOPSOIL.	PT									
			1.0-5.0 feet	SILTY CLAY, organic, non-plastic, gray (10 YR 5/1), no odor, dry.	CL			0.8						
			5.0-7.0 feet	SILTY, CLAYEY, SAND, fine grained, brown (10 YR 4/3), no odor, wet.	SC			0.2						
			7.0-9.0 feet	CLAY, non-plastic, gray (10 YR 5/1), stiff, no odor, wet.	CL			0.2						
			9.0 feet	EOB 9.0 feet										

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

Signature <i>Deane M. Rayson</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number GP-4	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 623.2 Feet MSL		Borehole Diameter 2.0 Inches	
Boring Location State Plane 220187.58 N, 2581423.69 E			Lat 01"		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long 01"		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1			1	<u>0-1.0 feet</u> FILL, concrete.											
			2	<u>1.0-5.0 feet</u> SILTY CLAY, non-plastic, gray brown (10 YR 5/2), diesel fuel-like odor, dry.	CL			359.0							
2			3	Moist below 3 feet.				324.0							
3			5	Wet below 5 feet.				298.0							
			8	<u>EOB 8.0 feet</u>											

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

Signature <i>Jeanne M. Rampton</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number GP-5	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 623.3 Feet MSL		Borehole Diameter 2.0 Inches	
Boring Location State Plane 219860.94 N, 2581351.98 E			Lat ° ' "		Local Grid Location (If applicable)	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long ° ' "		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1			1	<u>0-2.0 feet</u> FILL, concrete.	CL			3.1						
			2	<u>2.0-4.0 feet</u> SILTY CLAY, non-plastic, brown (10 YR 4/3), no odor, dry.										
			3											
			4	<u>4.0-6.0 feet</u> ROCK.										
2			5		SM			4.0						
			6	<u>6.0-8.0 feet</u> SILTY SAND, fine-medium, gray (10 YR 5/1), no odor, wet.										
3			7											
			8	<u>EOB 8.0 feet</u>										

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

Signature <i>Jean M. Ranzen</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number GP-6	
Boring Drilled By (Firm name and name of crew chief) Briohn Environmental Contractors, Darrin Ferguson			Date Drilling Started 10/4/93		Date Drilling Completed 10/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation 623.0 Feet MSL		Borehole Diameter 2.0 Inches	
Boring Location State Plane 220724.35 N, 2581259.76 E			Lat 0 1 "		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E	
SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Long 0 1 "		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	1	1	0	0-2.0 feet FILL, gravel.	GP	GP								
			2	2.0-4.0 feet SILTY CLAY, non-plastic, brown-gray (10 YR 6/2), no odor, dry.	CL	CL	.2							
			4	4.0-6.0 feet SILTY CLAYEY SAND, non-plastic, brown (10 YR 4/3), no odor, moist.	SC	SC	0							
			6	6.0-8.0 feet SILTY SAND, fine-medium, brown (10 YR 4/3), no odor, wet.	SM	SM	0							
			8	EOB 8.0 feet										

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

Signature <i>Gene M. Ramsoni</i>	Firm TRIAD ENGINEERING INCORPORATED Milwaukee, Wisconsin Tel: 414 291 8840, Fax: 414 291 8841
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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.

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

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
(If applicable) <u>SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N. R. 22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W Gov't Lot _____ Grid Number _____		Present Well Owner CHRYSLER CORPORATION	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street or Route 5555 30TH AVENUE	
Civil Town Name KENOSHA		City, State, Zip Code KENOSHA, WISCONSIN,	
Street Address of Well 5555 30TH AVENUE		Facility Well No. and/or Name (If Applicable) 45-A	WI Unique Well No. _____
City, Village KENOSHA		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>10-4-93</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(6) Sealing Materials For monitoring wells and monitoring well boreholes <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock			
Total Well Depth (ft.) <u>9.0</u> Casing Diameter (ins.) _____ (From ground surface)			
Casing Depth (ft.) _____			
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	9.0	1 1/2		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work	
DARRIN FERGUSON, BROWN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N. R. 22 (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot _____ Grid Number _____		Street or Route 5555 30TH AVENUE	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code KENOSHA, WISCONSIN,	
Civil Town Name		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
Street Address of Well 5555 30TH AVENUE		45-B	
City, Village KENOSHA		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		(4) Depth to Water (Feet)	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) 9.0 Casing Diameter (ins.) _____ (From ground surface)		(6) Sealing Materials	
Casing Depth (ft.) _____		For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	9.0	1 1/2		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIORN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N.; R. 22 W. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W. (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot _____ Grid Number _____		Street or Route 5555 30TH AVENUE	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code KENOSHA, WISCONSIN,	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) 45-C	WI Unique Well No. _____
Street Address of Well 5555 30TH AVENUE		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
City, Village KENOSHA		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If Other (Specify) _____		If No, Explain _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) 5.0 Casing Diameter (ins.) _____ (From ground surface)		Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Casing Depth (ft.) _____		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		(5) Required Method of Placing Sealing Material	
		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
		(6) Sealing Materials	
		For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets	
		<input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout	
		<input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
	BENTONITE CHIPS	Surface	5.0	1 1/2	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIAN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N; R. 22 W (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot	Grid Number	Street or Route 5555 30TH AVENUE	
Grid Location	ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.	City, State, Zip Code KENOSHA, WISCONSIN	
Civil Town Name	Street Address of Well 5555 30TH AVENUE	Facility Well No. and/or Name (If Applicable) 45-D	WI Unique Well No.
City, Village KENOSHA	Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) 9.0 Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	9.0	1 1/2		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIORN ENVIRONMENTAL CONTRACTORS		(10) FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work	Date Signed	Date Received/Inspected	District/County
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265	Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
City, State, Zip Code		Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N; R. 22 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot _____ Grid Number _____		Street or Route 5555 30TH AVENUE	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code KENOSHA, WISCONSIN,	
Civil Town Name		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
Street Address of Well 5555 30TH AVENUE		45-E	
City, Village KENOSHA		Reason for Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(5) Required Method of Placing Sealing Material	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(6) Sealing Materials	
Total Well Depth (ft.) 10.0 Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____		For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	10.0	1 1/2		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIORN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N; R. 22 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot _____ Grid Number _____		Street or Route 5555 30TH AVENUE	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code KENOSHA, WISCONSIN,	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable)	WI Unique Well No. _____
Street Address of Well 5555 30TH AVENUE		45-F	
City, Village KENOSHA		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(5) Required Method of Placing Sealing Material	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(6) Sealing Materials	
Total Well Depth (ft.) 9.0 Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____		For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	9.0	1 1/2		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGLSON, BRIORN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N. R. 22 (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot	Grid Number	Street or Route 5555 30TH AVENUE	
Grid Location	ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.	City, State, Zip Code KENOSHA, WISCONSIN,	
Civil/Town Name	Street Address of Well 5555 30TH AVENUE	Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
	City, Village KENOSHA	45-6	
		Reason For Abandonment	
		NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment	
		10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material	
Total Well Depth (ft.) 10.0 Casing Diameter (ins.) _____ (From ground surface)	Casing Depth (ft.) _____	<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(6) Sealing Materials For monitoring wells and monitoring well boreholes only		
	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite		
	<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout		

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Yards, Sacks, Sealant or Volume	Mix Ratio or Mud Weight
			(Circle One)	
BENTONITE CHIPS	Surface	10.0	1 1/2	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BROWN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code KENOSHA, WI 53141	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
<u>SW</u> 1/4 of <u>SE</u> 1/4 of Sec. <u>36</u> ; T. <u>2</u> N; R. <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)	Gov't Lot _____ Grid Number _____	Present Well Owner CHRYSLER CORPORATION	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Civil Town Name KENOSHA	Street or Route 5555 30TH AVENUE	
Street Address of Well 5555 30TH AVENUE	City, Village KENOSHA, WISCONSIN	City, State, Zip Code	
		Facility Well No. and/or Name (If Applicable) WI Unique Well No. GP-6 _____	
		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material	
Total Well Depth (ft.) <u>8.0</u> Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
		(6) Sealing Materials	
		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIORN ENVIRONMENTAL CONTRACTORS		(10) FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work	Date Signed	Date Received/Inspected	District/County
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265	Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
City, State, Zip Code		Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N; R. 22 W (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot	Grid Number	Street or Route 5555 30TH AVENUE	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code KENOSHA, WISCONSIN	
Civil Town Name		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
Street Address of Well 5555 30TH AVENUE		GP-5	
City, Village KENOSHA		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If Other (Specify) _____		If No, Explain _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) 8.0 Casing Diameter (ins.) _____ (From ground surface)		Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Casing Depth (ft.) _____		Did Material Settle After 24 Hours? If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(5) Required Method of Placing Sealing Material	
		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
		(6) Sealing Materials	
		For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets	
		<input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout	
		<input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	8.0	1/3		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BROWN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code KENOSHA, WI 53141	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
<u>SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N. R. 22</u> (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot	Grid Number	Street or Route 5555 30TH AVENUE	
Grid Location	ft. <input type="checkbox"/> N. <input type="checkbox"/> S., ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	City, State, Zip Code KENOSHA, WISCONSIN	
Civil Town Name	Street Address of Well 5555 30TH AVENUE	Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
	City, Village KENOSHA	GP-4	
		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>10-4-93</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material	
Total Well Depth (ft.) <u>8.0</u> Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
		(6) Sealing Materials	
		For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIORN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code KENOSHA, WI 53141	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N. R. 22 <input checked="" type="checkbox"/> E. <input type="checkbox"/> W. (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot _____ Grid Number _____		Street or Route 5555 30TH AVENUE	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code KENOSHA, WISCONSIN,	
Civil Town Name		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
Street Address of Well 5555 30TH AVENUE		GP-1	_____
City, Village KENOSHA		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		If No, Explain _____	
Total Well Depth (ft.) 9.0 Casing Diameter (ins.) _____ (From ground surface)		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Casing Depth (ft.) _____		Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		(5) Required Method of Placing Sealing Material	
		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
		(6) Sealing Materials	
		For monitoring wells and monitoring well boreholes	
		<input type="checkbox"/> Neat Cement Grout	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets	
		<input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout	
		<input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	9.0	1/3		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIAN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code KENOSHA, WI 53141	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N; R. 22 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot _____ Grid Number _____		Street or Route 5555 30TH AVENUE	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code KENOSHA, WISCONSIN,	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) GP-2	WI Unique Well No. _____
Street Address of Well 5555 30TH AVENUE		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
City, Village KENOSHA		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(5) Required Method of Placing Sealing Material	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(6) Sealing Materials	
Total Well Depth (ft.) _____ Casing Diameter (ins.) _____ (From ground surface)		For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite	
Casing Depth (ft.) _____			
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	9.0	1/3		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIORN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County KENOSHA	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N; R. 22 W (If applicable)		Present Well Owner CHRYSLER CORPORATION	
Gov't Lot _____ Grid Number _____		Street or Route 5555 30TH AVENUE	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code KENOSHA, WISCONSIN,	
Civil Town Name		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
Street Address of Well 5555 30TH AVENUE		GP-3	_____
City, Village KENOSHA		Reason For Abandonment NO LONGER NEEDED FOR SOIL SAMPLING	
		Date of Abandonment 10-4-93	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 10-4-93		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		If No, Explain _____	
Total Well Depth (ft.) 9.0 Casing Diameter (ins.) _____ (From ground surface)		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Casing Depth (ft.) _____		Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		(5) Required Method of Placing Sealing Material	
		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
		(6) Sealing Materials	
		For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	9.0	1/3		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work DARRIN FERGUSON, BRIAN ENVIRONMENTAL CONTRACTORS	
Signature of Person Doing Work	Date Signed
Street or Route 5150 60TH STREET	Telephone Number (414) 653-8265
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

APPENDIX D

PHOTOIONIZATION DETECTOR DOCUMENTATION

HNU PI-101 INSTRUMENT SET-UP AND FIELD RECORD

Operator: G. Meinholz, J. Ramponi
 Date: 10/4/93
 Site: Chrysler Corp. - Kenosha Main Plant
 Weather: Sunny 60 Degrees F

Media Sampled (Soil, Groundwater, Waste {type}) Soil

Instrument No.: 41907-266, Thermal Environmental Instruments
Model 580B

Probe Identification: 10.6 eV

Calibration Gas:

Gas Type Isobutylene
 Batch # _____
 Bottle I.D. Lot 36517

Battery: O.K.
 Zero: 0
 Calibration: 251 ppm
 Span Setting: Not Applicable

Sample #	Location	Depth* (ft)	Time Sampled	Time Analyzed	Background Response	Peak Response	Comments
45A-1	45A	1-3'	0858	0915	0	0	
45A-2		3-5'	0900	0916	0	.8	
45A-3		5-7'	0902	0918	0	12.9	
45A-4		7-9'	0905	0919	0	41.6	Strong solvent-like odor
45B-1	45B	1-3'	0934	1003	0	.2	
45B-2		3-5'	0936	1004	0	0	
45B-3		5-7'	0938	1005	0	32.8	Strong gasoline-like odor
45B-4		7-9'	0945	1006	0	517.0	Strong gasoline-like odor
45C-1	45C	1-3'	1014	1029	0	0	
45C-2		3-5'	1019	1030	0	.2	
45D-1	45D	1-3'	1032	1100	0	0	
45D-2		3-5'	1034	1101	0	0	
45D-3		5-7'	1051	1103	0	.2	
45D-4		7-9'	1054	1104	0	3.7	Gasoline-like odor
45E-1	45E	0-2'	1117	1153	0	0	
45E-2		2-4'	1119	1154	0	.2	
45E-3		4-6'	1123	1155	0	0	
45E-4		6-8'	1127	1156	0	0	
45E-5		8-10'	1135	1157	0	226	Strong gasoline-like odor
45F-1	45F	1-3'	1205	1300	0	282	Strong solvent-like odor
45F-2		3-5'	1207	1301	0	497	Strong solvent-like odor
45F-3		5-7'	1210	1302	0	283	Strong solvent-like odor
45F-4		7-9'	1214	1304	0	612	Strong solvent-like odor

HNU PI-101 INSTRUMENT SET-UP AND FIELD RECORD

Operator: G. Meinholz, J. Ramponi
 Date: 10/4/93
 Site: Chrysler Corp. - Kenosha Main Plant
 Weather: Sunny 60 Degrees F

Media Sampled (Soil, Groundwater, Waste {type}) Soil

Instrument No.: 41907-266, Thermal Environmental Instruments
Model 580B

Probe Identification: 10.6 eV

Calibration Gas:

Gas Type Isobutylene
 Batch # _____
 Bottle I.D. Lot 36517

Battery: O.K.
 Zero: 0
 Calibration: 251 ppm
 Span Setting: N/A

Sample #	Location	Depth* (ft)	Time Sampled	Time Analyzed	Background Response	Peak Response	Comments
45G-1	45G	0-2'	1357	1438	0	.2	
45G-2		2-4'	1359	1439	0	.8	
45G-3		4-6'	1404	1440	0	62	Solvent-like odor
45G-4		6-8'	1406	1441	0	453	Strong solvent-like odor
GP1-1	GP1	3-5'	1306	1825	0	11.8	
GP1-2		5-7'	1308	1826	0	173.2	Solvent-like odor
GP1-3		7-9'	1310	1827	0	218	Solvent-like odor
GP2-1	GP2	1-3'	1530	1806	0	5.4	
GP2-2		3-5'	1532	1808	0	0	
GP2-3		5-7'	1534	1810	0	0	
GP2-4		7-9'	1536	1811	0	.8	
GP3-1	GP3	1-3'	1600	1749	0	.8	
GP3-2		3-5'	1602	1750	0	.2	
GP3-3		5-7'	1604	1755	0	.2	
GP3-4		7-9'	1606	1752	0	.2	
GP4-1	GP4	1-3'	1640	1747	0	359	Diesel fuel-like odor
GP4-2		3-5'	1642	1745	0	324	Diesel fuel-like odor
GP4-3		6-8'		1744	0	298	Diesel fuel-like odor
GP5-1	GP5	2-4'	1700	1741	0	3.1	
GP5-2		6-8'		1743	0	4.0	
GP6-1	GP6	2-4'	1758	1840	0	.2	
GP6-2		4-6'	1800	1841	0	0	
GP6-3		6-8'	1802	1842	0	0	

APPENDIX E
LABORATORY DOCUMENTATION

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4372

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0~~8~~⁴/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

 Units: mg/kg (ppm)

DNR #	Analyte	SEI ID	7640-1	7640-2
		Sample ID	45A	45D
EPA Method 8021				
78124	Benzene		<0.02	<0.02
81555	Bromobenzene		<0.02	<0.02
77297	Bromochloromethane		<0.02	<0.02
32101	Bromodichloromethane		<0.02	<0.02
32104	Bromoform		<0.02	<0.02
34413	Bromomethane		<0.02	<0.02
77342	n-Butylbenzene		<0.02	<0.02
77350	sec-Butylbenzene		<0.04	<0.04
77353	tert-Butylbenzene		<0.02	<0.02
32102	Carbon tetrachloride		<0.02	<0.02
34301	Chlorobenzene		<0.02	<0.02
34306	Chlorodibromomethane		<0.02	<0.02
34311	Chloroethane		<0.02	<0.02
32106	Chloroform		<0.02	<0.02
34418	Chloromethane		<0.02	<0.02
77275	2-Chlorotoluene		<0.02	<0.02
77277	4-Chlorotoluene		<0.02	<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02	<0.02
77651	1,2-Dibromoethane		<0.02	<0.02
77596	Dibromomethane		<0.02	<0.02

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 325 East Chicago Street
 Milwaukee, WI 53202

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0~~6~~⁴/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID	7640-1	7640-2
		Sample ID	45A	45D
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.02	<0.02
34566	1,3-Dichlorobenzene		<0.02	<0.02
34571	1,4-Dichlorobenzene		<0.03	<0.03
34668	Dichlorodifluoromethane		<0.02	<0.02
34496	1,1-Dichloroethane		<0.03	<0.03
32103	1,2-Dichloroethane		<0.02	<0.02
34501	1,1-Dichloroethene		<0.02	<0.02
77093	cis-1,2-Dichloroethene		<0.03	<0.03
34546	trans-1,2-Dichloroethene		<0.03	<0.03
34541	1,2-Dichloropropane		<0.02	<0.02
77173	1,3-Dichloropropane		<0.02	<0.02
77170	2,2-Dichloropropane		<0.03	<0.03
77168	1,1-Dichloropropene		<0.02	<0.02
78113	Ethylbenzene		<0.02	<0.02
34391	Hexachlorobutadiene		<0.03	<0.03
77223	Isopropylbenzene		<0.02	<0.02
77356	p-Isopropyltoluene		<0.02	<0.02
34423	Methylene chloride		0.08*	<0.05
34696	Naphthalene		<0.03	<0.03

* Methylene chloride is a commonly used solvent in the laboratory. This result may be biased high.

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 Milwaukee, WI 53202

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/06/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

 Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-1</u> <u>45A</u>	<u>7640-2</u> <u>45D</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.03	<0.03
77128	Styrene		<0.03	<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02	<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02	<0.02
34475	Tetrachloroethene		<0.02	<0.02
78131	Toluene		<0.02	<0.02
77613	1,2,3-Trichlorobenzene		<0.02	<0.02
34551	1,2,4-Trichlorobenzene		<0.02	<0.02
34506	1,1,1-Trichloroethane		<0.02	<0.02
34511	1,1,2-Trichloroethane		<0.02	<0.02
39180	Trichloroethene		0.40	<0.02
34488	Trichlorofluoromethane		<0.02	<0.02
77443	1,2,3-Trichloropropane		<0.02	<0.02
77222	1,2,4-Trimethylbenzene		<0.04	<0.04
77226	1,3,5-Trimethylbenzene		<0.02	<0.02
39175	Vinyl chloride		<0.02	<0.02
77135	o-Xylenes		<0.02	<0.02
85795	m & p Xylenes		<0.02	<0.02

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 325 East Chicago Street
 Milwaukee, WI 53202

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0~~8~~⁴/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

 Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-3</u> <u>45E</u>	<u>7640-4</u> <u>45G</u>
EPA Method 8021				
78124	Benzene		<0.02	0.20
81555	Bromobenzene		<0.02	<0.02
77297	Bromochloromethane		<0.02	<0.02
32101	Bromodichloromethane		<0.02	<0.02
32104	Bromoform		<0.02	<0.02
34413	Bromomethane		<0.02	<0.02
77342	n-Butylbenzene		<0.02	0.93
77350	sec-Butylbenzene		<0.04	<0.5*
77353	tert-Butylbenzene		<0.02	<0.02
32102	Carbon tetrachloride		<0.02	<0.02
34301	Chlorobenzene		<0.02	<0.02
34306	Chlorodibromomethane		<0.02	<0.02
34311	Chloroethane		<0.02	<0.02
32106	Chloroform		<0.02	<0.02
34418	Chloromethane		<0.02	<0.02
77275	2-Chlorotoluene		<0.02	<0.02
77277	4-Chlorotoluene		<0.02	<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02	<0.02
77651	1,2-Dibromoethane		<0.02	<0.02
77596	Dibromomethane		<0.02	<0.02

* Elevated detection level due to high analyte concentration.

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4372

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0⁴5/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID Sample ID	7640-3 45E	7640-4 45G
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.02	<0.02
34566	1,3-Dichlorobenzene		<0.02	<0.02
34571	1,4-Dichlorobenzene		<0.03	<0.03
34668	Dichlorodifluoromethane		<0.02	<0.02
34496	1,1-Dichloroethane		<0.03	<0.03
32103	1,2-Dichloroethane		<0.02	<0.02
34501	1,1-Dichloroethene		<0.02	<0.02
77093	cis-1,2-Dichloroethene		<0.03	<0.03
34546	trans-1,2-Dichloroethene		<0.03	<0.03
34541	1,2-Dichloropropane		<0.02	<0.02
77173	1,3-Dichloropropane		<0.02	<0.02
77170	2,2-Dichloropropane		<0.03	<0.03
77168	1,1-Dichloropropene		<0.02	<0.02
78113	Ethylbenzene		<0.02	0.30
34391	Hexachlorobutadiene		<0.03	<0.03
77223	Isopropylbenzene		<0.02	<0.02
77356	p-Isopropyltoluene		<0.02	<0.02
34423	Methylene chloride		<0.05	<0.05
34696	Naphthalene		<0.03	0.08

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0⁴/~~6~~/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-3</u> <u>45E</u>	<u>7640-4</u> <u>45G</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.03	<0.03
77128	Styrene		<0.03	<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02	<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02	<0.02
34475	Tetrachloroethene		<0.02	<0.02
78131	Toluene		<0.02	0.02
77613	1,2,3-Trichlorobenzene		<0.02	<0.02
34551	1,2,4-Trichlorobenzene		<0.02	<0.02
34506	1,1,1-Trichloroethane		<0.02	<0.02
34511	1,1,2-Trichloroethane		<0.02	<0.02
39180	Trichloroethene		<0.02	<0.02
34488	Trichlorofluoromethane		<0.02	<0.02
77443	1,2,3-Trichloropropane		<0.02	<0.02
77222	1,2,4-Trimethylbenzene		<0.04	0.04
77226	1,3,5-Trimethylbenzene		<0.02	0.13
39175	Vinyl chloride		<0.02	<0.02
77135	o-Xylenes		<0.02	0.03
85795	m & p Xylenes		<0.02	0.14

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0~~6~~⁴/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler
 Units: mg/kg (ppm)

DNR #	Analyte	SEI ID	7640-5*	7640-6
		Sample ID	45F	GP1
EPA Method 8021				
78124	Benzene		2.8	<0.02
81555	Bromobenzene		<2.5	<0.02
77297	Bromochloromethane		<2.5	<0.02
32101	Bromodichloromethane		<2.5	<0.02
32104	Bromoform		<2.5	<0.02
34413	Bromomethane		<2.5	<0.02
77342	n-Butylbenzene		3.7	<0.02
77350	sec-Butylbenzene		<5.0	<0.04
77353	tert-Butylbenzene		<2.5	<0.02
32102	Carbon tetrachloride		<2.5	<0.02
34301	Chlorobenzene		<2.5	<0.02
34306	Chlorodibromomethane		<2.5	<0.02
34311	Chloroethane		<2.5	<0.02
32106	Chloroform		<2.5	<0.02
34418	Chloromethane		<2.5	<0.02
77275	2-Chlorotoluene		<2.5	<0.02
77277	4-Chlorotoluene		<2.5	<0.02
38437	1,2-Dibromo-3-chloropropane		<2.5	<0.02
77651	1,2-Dibromoethane		<2.5	<0.02
77596	Dibromomethane		<2.5	<0.02

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 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0~~8~~⁴/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-5*</u> <u>45F</u>	<u>7640-6</u> <u>GP1</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene		<2.5	<0.02
34566	1,3-Dichlorobenzene		<2.5	<0.02
34571	1,4-Dichlorobenzene		<3.8	<0.03
34668	Dichlorodifluoromethane		<2.5	<0.02
34496	1,1-Dichloroethane		<3.8	<0.03
32103	1,2-Dichloroethane		<2.5	<0.02
34501	1,1-Dichloroethene		<2.5	<0.02
77093	cis-1,2-Dichloroethene		<3.8	<0.03
34546	trans-1,2-Dichloroethene		<3.8	<0.03
34541	1,2-Dichloropropane		<2.5	<0.02
77173	1,3-Dichloropropane		<2.5	<0.02
77170	2,2-Dichloropropane		<3.8	<0.03
77168	1,1-Dichloropropene		<2.5	<0.02
78113	Ethylbenzene		<2.5	<0.02
34391	Hexachlorobutadiene		<3.8	<0.03
77223	Isopropylbenzene		<2.5	<0.02
77356	p-Isopropyltoluene		<2.5	<0.02
34423	Methylene chloride		<6.3	<0.05
34696	Naphthalene		<3.8	<0.03

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DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0~~8~~⁴/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-5*</u> <u>45F</u>	<u>7640-6</u> <u>GP1</u>
EPA Method 8021				
77224	n-Propylbenzene		<3.8	<0.03
77128	Styrene		<2.5	<0.03
77562	1,1,1,2-Tetrachloroethane		<2.5	<0.02
34516	1,1,2,2-Tetrachloroethane		<2.5	<0.02
34475	Tetrachloroethene		<2.5	<0.02
78131	Toluene		<2.5	0.02
77613	1,2,3-Trichlorobenzene		<2.5	<0.02
34551	1,2,4-Trichlorobenzene		<2.5	<0.02
34506	1,1,1-Trichloroethane		<2.5	<0.02
34511	1,1,2-Trichloroethane		<2.5	<0.02
39180	Trichloroethene		<2.5	<0.02
34488	Trichlorofluoromethane		<2.5	<0.02
77443	1,2,3-Trichloropropane		<2.5	<0.02
77222	1,2,4-Trimethylbenzene		<5.0	<0.04
77226	1,3,5-Trimethylbenzene		<2.5	<0.02
39175	Vinyl chloride		<2.5	<0.02
77135	o-Xylenes		7.0	<0.02
85795	m & p Xylenes		<2.5	0.05

* Elevated detection level due to matrix interference; a 125x dilution necessary.

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 325 East Chicago Street
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Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/06/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-9*</u> <u>GP4</u>	<u>7640-10</u> <u>GP5</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.03	<0.03
77128	Styrene		<0.03	<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02	<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02	<0.02
34475	Tetrachloroethene		<0.02	<0.02
78131	Toluene		0.04	<0.02
77613	1,2,3-Trichlorobenzene		<0.02	<0.02
34551	1,2,4-Trichlorobenzene		<0.02	<0.02
34506	1,1,1-Trichloroethane		<0.02	<0.02
34511	1,1,2-Trichloroethane		<0.02	<0.02
39180	Trichloroethene		<0.02	<0.02
34488	Trichlorofluoromethane		<0.02	<0.02
77443	1,2,3-Trichloropropane		<0.02	<0.02
77222	1,2,4-Trimethylbenzene		<0.04	<0.04
77226	1,3,5-Trimethylbenzene		<0.02	<0.02
39175	Vinyl chloride		<0.02	<0.02
77135	o-Xylenes		0.14	<0.02
85795	m & p Xylenes		0.04	<0.02

* Rerun of sample exhibited peak of higher boiling petroleum products.

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4372

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0⁴8/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler
 Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-7</u> <u>GP2</u>	<u>7640-8</u> <u>GP3</u>
EPA Method 8021				
78124	Benzene		<0.02	<0.02
81555	Bromobenzene		<0.02	<0.02
77297	Bromochloromethane		<0.02	<0.02
32101	Bromodichloromethane		<0.02	<0.02
32104	Bromoform		<0.02	<0.02
34413	Bromomethane		<0.02	<0.02
77342	n-Butylbenzene		<0.02	<0.02
77350	sec-Butylbenzene		<0.04	<0.04
77353	tert-Butylbenzene		<0.02	<0.02
32102	Carbon tetrachloride		<0.02	<0.02
34301	Chlorobenzene		<0.02	<0.02
34306	Chlorodibromomethane		<0.02	<0.02
34311	Chloroethane		<0.02	<0.02
32106	Chloroform		<0.02	<0.02
34418	Chloromethane		<0.02	<0.02
77275	2-Chlorotoluene		<0.02	<0.02
77277	4-Chlorotoluene		<0.02	<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02	<0.02
77651	1,2-Dibromoethane		<0.02	<0.02
77596	Dibromomethane		<0.02	<0.02

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4372

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/08/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-7</u> <u>GP2</u>	<u>7640-8</u> <u>GP3</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.02	<0.02
34566	1,3-Dichlorobenzene		<0.02	<0.02
34571	1,4-Dichlorobenzene		<0.03	<0.03
34668	Dichlorodifluoromethane		<0.02	<0.02
34496	1,1-Dichloroethane		<0.03	<0.03
32103	1,2-Dichloroethane		<0.02	<0.02
34501	1,1-Dichloroethene		<0.02	<0.02
77093	cis-1,2-Dichloroethene		0.08	<0.03
34546	trans-1,2-Dichloroethene		<0.03	<0.03
34541	1,2-Dichloropropane		<0.02	<0.02
77173	1,3-Dichloropropane		<0.02	<0.02
77170	2,2-Dichloropropane		<0.03	<0.03
77168	1,1-Dichloropropane		<0.02	<0.02
78113	Ethylbenzene		<0.02	<0.02
34391	Hexachlorobutadiene		<0.03	<0.03
77223	Isopropylbenzene		<0.02	<0.02
77356	p-Isopropyltoluene		<0.02	<0.02
34423	Methylene chloride		0.12*	<0.05
34696	Naphthalene		<0.03	<0.03

* Methylene chloride is a commonly used solvent in the laboratory. This result may be biased high.

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Triad Engineering, Inc.
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Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/06/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

 Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-7</u> <u>GP2</u>	<u>7640-8</u> <u>GP3</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.03	<0.03
77128	Styrene		<0.03	<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02	<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02	<0.02
34475	Tetrachloroethene		<0.02	<0.02
78131	Toluene		<0.02	<0.02
77613	1,2,3-Trichlorobenzene		<0.02	<0.02
34551	1,2,4-Trichlorobenzene		<0.02	<0.02
34506	1,1,1-Trichloroethane		<0.02	<0.02
34511	1,1,2-Trichloroethane		<0.02	<0.02
39180	Trichloroethene		0.05	<0.02
34488	Trichlorofluoromethane		<0.02	<0.02
77443	1,2,3-Trichloropropane		<0.02	<0.02
77222	1,2,4-Trimethylbenzene		<0.04	<0.04
77226	1,3,5-Trimethylbenzene		<0.02	<0.02
39175	Vinyl chloride		<0.02	<0.02
77135	o-Xylenes		<0.02	<0.02
85795	m & p Xylenes		<0.02	<0.02

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Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0⁴/93
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 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-9</u> <u>GP4</u>	<u>7640-10</u> <u>GP5</u>
EPA Method 8021				
78124	Benzene		<0.02	<0.02
81555	Bromobenzene		<0.02	<0.02
77297	Bromochloromethane		<0.02	<0.02
32101	Bromodichloromethane		<0.02	<0.02
32104	Bromoform		<0.02	<0.02
34413	Bromomethane		<0.02	<0.02
77342	n-Butylbenzene		<0.02	0.03
77350	sec-Butylbenzene		<0.04	<0.04
77353	tert-Butylbenzene		0.05	<0.02
32102	Carbon tetrachloride		<0.02	<0.02
34301	Chlorobenzene		<0.02	<0.02
34306	Chlorodibromomethane		<0.02	<0.02
34311	Chloroethane		<0.02	<0.02
32106	Chloroform		<0.02	<0.02
34418	Chloromethane		<0.02	<0.02
77275	2-Chlorotoluene		<0.02	<0.02
77277	4-Chlorotoluene		<0.02	<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02	<0.02
77651	1,2-Dibromoethane		<0.02	<0.02
77596	Dibromomethane		<0.02	<0.02

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Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7640
 DATE COLLECTED: 10/0~~6~~⁴/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler
 Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-9</u> <u>GP4</u>	<u>7640-10</u> <u>GP5</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.02	<0.02
34566	1,3-Dichlorobenzene		<0.02	<0.02
34571	1,4-Dichlorobenzene		<0.03	<0.03
34668	Dichlorodifluoromethane		<0.02	<0.02
34496	1,1-Dichloroethane		<0.03	<0.03
32103	1,2-Dichloroethane		<0.02	<0.02
34501	1,1-Dichloroethene		<0.02	<0.02
77093	cis-1,2-Dichloroethene		<0.03	0.04
34546	trans-1,2-Dichloroethene		<0.03	<0.03
34541	1,2-Dichloropropane		<0.02	<0.02
77173	1,3-Dichloropropane		<0.02	<0.02
77170	2,2-Dichloropropane		<0.03	<0.03
77168	1,1-Dichloropropene		<0.02	<0.02
78113	Ethylbenzene		<0.02	<0.02
34391	Hexachlorobutadiene		<0.03	<0.03
77223	Isopropylbenzene		0.03	<0.02
77356	p-Isopropyltoluene		<0.02	<0.02
34423	Methylene chloride		<0.05	<0.05
34696	Naphthalene		<0.03	<0.03

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DATE: October 14, 1993

PURCHASE ORDER:

SEI NO: WL7640

DATE COLLECTED: 10/0⁴/93

DATE RECEIVED: 10/06/93

DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-9</u> <u>GP4</u>	<u>7640-10</u> <u>GP5</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.03	<0.03
77128	Styrene		<0.03	<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02	<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02	<0.02
34475	Tetrachloroethene		<0.02	<0.02
78131	Toluene		0.04	<0.02
77613	1,2,3-Trichlorobenzene		<0.02	<0.02
34551	1,2,4-Trichlorobenzene		<0.02	<0.02
34506	1,1,1-Trichloroethane		<0.02	<0.02
34511	1,1,2-Trichloroethane		<0.02	<0.02
39180	Trichloroethene		<0.02	<0.02
34488	Trichlorofluoromethane		<0.02	<0.02
77443	1,2,3-Trimethylpropane		<0.02	<0.02
77222	1,2,4-Trimethylbenzene		<0.04	<0.04
77226	1,3,5-Trimethylbenzene		<0.02	<0.02
39175	Vinyl chloride		<0.02	<0.02
77135	o-Xylenes		0.14	<0.02
85795	m & p Xylenes		0.04	<0.02



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DATE: October 14, 1993
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 SEI NO: WL7640
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 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

 Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-11</u> <u>GP6</u>
EPA Method 8021			
78124	Benzene		<0.02
81555	Bromobenzene		<0.02
77297	Bromochloromethane		<0.02
32101	Bromodichloromethane		<0.02
32104	Bromoform		<0.02
34413	Bromomethane		<0.02
77342	n-Butylbenzene		<0.02
77350	sec-Butylbenzene		<0.04
77353	tert-Butylbenzene		<0.02
32102	Carbon tetrachloride		<0.02
34301	Chlorobenzene		<0.02
34306	Chlorodibromomethane		<0.02
34311	Chloroethane		<0.02
32106	Chloroform		<0.02
34418	Chloromethane		<0.02
77275	2-Chlorotoluene		<0.02
77277	4-Chlorotoluene		<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02
77651	1,2-Dibromoethane		<0.02
77596	Dibromomethane		<0.02

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DATE: October 14, 1993
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 DATE ANALYZED: 10/14-17/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7640-11</u> <u>GP6</u>
EPA Method 8021			
77224	n-Propylbenzene		<0.03
77128	Styrene		<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02
34475	Tetrachloroethene		<0.02
78131	Toluene		0.03
77613	1,2,3-Trichlorobenzene		<0.02
34551	1,2,4-Trichlorobenzene		<0.02
34506	1,1,1-Trichloroethane		<0.02
34511	1,1,2-Trichloroethane		<0.02
39180	Trichloroethene		<0.02
34488	Trichlorofluoromethane		<0.02
77443	1,2,3-Trichloropropane		<0.02
77222	1,2,4-Trimethylbenzene		<0.04
77226	1,3,5-Trimethylbenzene		<0.02
39175	Vinyl chloride		<0.02
77135	o-Xylenes		<0.02
85795	m & p Xylenes		<0.02

Gary E. Barry
 Gary E. Barry
 Projects Coordinator

CHAIN OF CUSTODY RECORD

PROJ. NO. W943046		PROJECT NAME Chrysler Corporation					NO. OF CONTAINERS	TEST PARAMETERS							SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
SAMPLERS: J. Ramponi, G. Meinholz.								VOCs (8021)	PERMETHYL	CHLORINUM JR	LEAD JR	CADMIUM JR	ZINC JR	VOCs (8021)	
SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION									
45A		10-4-93	0900	✓		45A 3-5'	1	✓					SOIL	PID	
45D		10-4-93	1034	✓		45D 3-5'	1	✓					SOIL		
45E		10-4-93	1127	✓		45E 6-8'	1	✓					SOIL		
45G		10-4-93	1406	✓		45G 6-8'	1	✓					SOIL	453.0	
45F		10-4-93	1207	✓		45F 3-5'	1	✓					SOIL	197.	
6P1		10-4-93	1306	✓		6P1 3-5'	1	✓					SOIL	11.8	
6P2		10-4-93	1532	✓		6P2 3-5'	1	✓					SOIL		
6P3		10-4-93	1602	✓		6P3 3-5'	1	✓					SOIL		
6P4		10-4-93	1642	✓		6P4 3-5'	1	✓					SOIL	324.0	
6P5		10-4-93	1700	✓		6P5 2-4'	1	✓					SOIL		
6P6		10-4-93	1800	✓		6P6 4-6'	1	✓					SOIL	10.6-93	
6P5		10-4-93	170	✓		6P5 - water	2						GROUNDWTR		

SAMPLE CONDITION: (All samples on ice)	SAMPLE LOCATION:
---	------------------

RELINQUISHED BY: <i>John Rayne</i>	DATE / TIME 10/6/93 1500	RELINQUISHED BY:	DATE / TIME	SPECIAL REQUESTS:
RECEIVED BY: <i>[Signature]</i>	DATE / TIME " " "	RECEIVED BY:	DATE / TIME	REPORT TO: Rick Binder

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



SWANSON ENVIRONMENTAL INC.

NAME: trad Eng. Inc
ADDRESS: 325 E. Chicago ST
MILWAU WI 53202
PHONE: 414 291 8840

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: B4369

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993

PURCHASE ORDER:

SEI NO: WL7641

DATE COLLECTED: 10/04&06/93

DATE RECEIVED: 10/06/93

DATE ANALYZED: 10/12/93

Matrix: Groundwater

Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID	7641-3*	7641-4
		Sample ID	GP-5	GP-3
EPA Method 8021				
34536	1,2-Dichlorobenzene		<2.5	<0.5
34566	1,3-Dichlorobenzene		<2.5	<0.5
34571	1,4-Dichlorobenzene		<3.0	<0.6
34668	Dichlorodifluoromethane		<2.5	<0.5
34496	1,1-Dichloroethane		<3.0	<0.6
32103	1,2-Dichloroethane		<2.5	<0.5
34501	1,1-Dichloroethene		<2.5	<0.5
77093	cis-1,2-Dichloroethene		110	3
34546	trans-1,2-Dichloroethene		22	<0.7
34541	1,2-Dichloropropane		<2.5	<0.5
77173	1,3-Dichloropropane		<2.5	<0.5
77170	2,2-Dichloropropane		<3.5	<0.7
77168	1,1-Dichloropropane		<2.5	<0.5
78113	Ethylbenzene		<2.5	<0.5
34391	Hexachlorobutadiene		<3.5	<0.7
77223	Isopropylbenzene		<2.5	<0.5
77356	p-Isopropyltoluene		<2.5	<0.5
34423	Methylene chloride		<10	<2.0
34696	Naphthalene		<3.5	<0.7

SWANSON ENVIRONMENTAL INC.

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4369

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993

PURCHASE ORDER:

SEI NO: WL7641

DATE COLLECTED: 10/04&06/93

DATE RECEIVED: 10/06/93

DATE ANALYZED: 10/12/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7641-3*</u> <u>GP-5</u>	<u>7641-4</u> <u>GP-3</u>
EPA Method 8021				
78124	Benzene		<2.5	<0.5
81555	Bromobenzene		<2.5	<0.5
77297	Bromochloromethane		<2.5	<0.5
32101	Bromodichloromethane		<2.5	<0.5
32104	Bromoform		<2.5	<0.5
34413	Bromomethane		<2.5	<0.5
77342	n-Butylbenzene		<2.5	<0.5
77350	sec-Butylbenzene		<4.0	<0.8
77353	tert-Butylbenzene		<2.5	<0.5
32102	Carbon tetrachloride		<2.5	<0.5
34301	Chlorobenzene		<2.5	<0.5
34306	Chlorodibromomethane		<2.5	<0.5
34311	Chloroethane		<2.5	<0.5
32106	Chloroform		<2.5	1.0
34418	Chloromethane		<2.5	<0.5
77275	2-Chlorotoluene		<2.5	<0.5
77277	4-Chlorotoluene		<2.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<2.5	<0.5
77651	1,2-Dibromoethane		<2.5	<0.5
77596	Dibromomethane		<2.5	<0.5

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4369

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

Attn: Mr. Rick Binder
 Project #W943046

DATE: October 14, 1993
 PURCHASE ORDER:
 SEI NO: WL7641
 DATE COLLECTED: 10/04&06/93
 DATE RECEIVED: 10/06/93
 DATE ANALYZED: 10/12/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7641-3*</u> <u>GP-5</u>	<u>7641-4</u> <u>GP-3</u>
EPA Method 8021				
77224	n-Propylbenzene		<3.0	<0.6
77128	Styrene		<3.0	<0.6
77562	1,1,1,2-Tetrachloroethane		<2.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<2.5	<0.5
34475	Tetrachloroethene		<2.5	<0.5
78131	Toluene		<2.5	<0.5
77613	1,2,3-Trichlorobenzene		<2.5	<0.5
34551	1,2,4-Trichlorobenzene		<2.5	<0.5
34506	1,1,1-Trichloroethane		<2.5	<0.5
34511	1,1,2-Trichloroethane		<2.5	<0.5
39180	Trichloroethene		<2.5	<0.5
34488	Trichlorofluoromethane		<2.5	<0.5
77443	1,2,3-Trichloropropane		<2.5	<0.5
77222	1,2,4-Trimethylbenzene		<4.5	<0.9
77226	1,3,5-Trimethylbenzene		<2.5	<0.5
39175	Vinyl chloride		38	2
77135	o-Xylenes		<2.5	<0.5
85795	m & p Xylenes		<2.5	<0.5

* Elevated detection level due to high analyte concentration; a 5x dilution necessary.

SWANSON ENVIRONMENTAL INC.

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 Brookfield, Wisconsin 53045
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<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7641-5*</u> <u>GP-1</u>	<u>7641-6</u> <u>GP-6</u>
EPA Method 8021				
78124	Benzene		2,200	<0.5
81555	Bromobenzene		<10	<0.5
77297	Bromochloromethane		<10	<0.5
32101	Bromodichloromethane		<10	<0.5
32104	Bromoform		<10	<0.5
34413	Bromomethane		<10	<0.5
77342	n-Butylbenzene		31	<0.5
77350	sec-Butylbenzene		20	<0.8
77353	tert-Butylbenzene		80	<0.5
32102	Carbon tetrachloride		<10	<0.5
34301	Chlorobenzene		<10	<0.5
34306	Chlorodibromomethane		<10	<0.5
34311	Chloroethane		<10	<0.5
32106	Chloroform		<10	<0.5
34418	Chloromethane		<10	<0.5
77275	2-Chlorotoluene		<10	<0.5
77277	4-Chlorotoluene		<10	<0.5
38437	1,2-Dibromo-3-chloropropane		<10	<0.5
77651	1,2-Dibromoethane		<10	<0.5
77596	Dibromomethane		<10	<0.5

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Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>7641-5*</u> <u>GP-1</u>	<u>7641-6</u> <u>GP-6</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene		<10	<0.5
34566	1,3-Dichlorobenzene		<10	<0.5
34571	1,4-Dichlorobenzene		<12	<0.6
34668	Dichlorodifluoromethane		<10	<0.5
34496	1,1-Dichloroethane		<12	1.1
32103	1,2-Dichloroethane		<10	<0.5
34501	1,1-Dichloroethene		<10	<0.5
77093	cis-1,2-Dichloroethene		<12	7.0
34546	trans-1,2-Dichloroethene		<14	<0.7
34541	1,2-Dichloropropane		<10	<0.5
77173	1,3-Dichloropropane		<10	<0.5
77170	2,2-Dichloropropane		<14	<0.7
77168	1,1-Dichloropropene		<10	<0.5
78113	Ethylbenzene		340	<0.5
34391	Hexachlorobutadiene		<14	<0.7
77223	Isopropylbenzene		<10	<0.5
77356	p-Isopropyltoluene		10	<0.5
34423	Methylene chloride		48	<2.0
34696	Naphthalene		110	<0.7

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID	7641-5*	7641-6
		Sample ID	GP-1	GP-6
EPA Method 8021				
77224	n-Propylbenzene		<12	<0.6
77128	Styrene		<12	<0.6
77562	1,1,1,2-Tetrachloroethane		<10	<0.5
34516	1,1,2,2-Tetrachloroethane		<10	<0.5
34475	Tetrachloroethene		<10	<0.5
7B131	Toluene		64	<0.5
77613	1,2,3-Trichlorobenzene		<10	<0.5
34551	1,2,4-Trichlorobenzene		<10	<0.5
34506	1,1,1-Trichloroethane		<10	2.0
34511	1,1,2-Trichloroethane		<10	<0.5
39180	Trichloroethene		<10	<0.5
34488	Trichlorofluoromethane		<10	<0.5
77443	1,2,3-Trichloropropane		<10	<0.5
77222	1,2,4-Trimethylbenzene		<18	<0.9
77226	1,3,5-Trimethylbenzene		<10	<0.5
39175	Vinyl chloride		<10	<0.5
77135	o-Xylenes		47	<0.5
85795	m & p Xylenes		150	<0.5

* Elevated detection level due to high analyte concentration; a 10x dilution necessary.

Gary E. Barry
 Gary E. Barry
 Projects Coordinator

CHAIN OF CUSTODY RECORD

PROJ. NO. W943046		PROJECT NAME Chrysler Corporation.					NO. OF CONTAINERS	TEST PARAMETERS						SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
SAMPLERS: J. Ramponi, G. Meinholz								<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> Vocs (802) </div>						
SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION								
GP3		10-4-93	1608	✓	✓	GP3 - water	2	✓						GRNDWTR
GP-1		10-4-93	1840	✓	✓	GP1 - water	2	✓						GRNDWTR
GP-6		10-4-93	1819	✓	✓	GP6 - water	2	✓						GRNDWTR
														(All samples on ice)

SAMPLE CONDITION:	SAMPLE LOCATION:
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RELINQUISHED BY: <i>Jean Ramponi</i>	DATE / TIME 10/6 1500 1931	RELINQUISHED BY:	DATE / TIME	SPECIAL REQUESTS:
RECEIVED BY: <i>T. J. Harnish</i>	DATE / TIME " "	RECEIVED BY:	DATE / TIME	REPORT TO: <i>Rick Binder</i>

NAME:	<i>Triad Eng. Inc.</i>
ADDRESS:	<i>325 E. Chicago ST Milw WI 53202</i>
PHONE:	<i>414 291 8840</i>



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

SWANSON ENVIRONMENTAL INC.

November 1, 1993

RECEIVED NOV 03 1993

Ms. Jeanne Ramponi
TRIAD ENGINEERING, INC.
325 East Chicago Street
Milwaukee, WI 53202

Dear Jeanne,

I have enclosed the lab results from the site investigation conducted at the Chrysler Plant in Kenosha, Wisconsin on October 4, 1993. The objective of the investigation was to determine the extent of contamination from some previously demolished buildings to aid in the development of the remediation solution. The primary contaminants screened for during the investigation were TCE (trichloroethylene) and PCE (tetrachloroethylene). The investigation was carried out using Briohn Environmental Contractors Geoprobe van equipped with a Geoprobe soil probing unit. All samples were analyzed using the van's on board gas chromatograph (GC) laboratory.

Sampling Methods

Soil samples were collected at the site using Briohn Environmental's Geoprobe. Soil samples were collected for laboratory confirmation analysis using a two foot thin wall soil sampler. The soil sampler was driven to the desired sampling depth using the hydraulic ram and hammer on the Geoprobe. Once the sampler reached the desired depth, the sampler was opened by removing the stop pin in the sampler. The drive point piston was then free to move up

the sampler. The sampler was then driven an additional two feet to push a sample into the sampler. The soil sample was preserved in a 1 inch by two foot acetate liner inside the sampler. The sampler was decontaminated and a new liner was installed before each sample was taken.

Six ground water samples were collected for on site GC analysis using the Geoprobe's ground water sampler. A slotted well point was driven the estimated depth of groundwater using the hydraulic ram on the Geoprobe. Groundwater was then pumped up the probe rods using a check ball system and 3/8 inch polyethylene tubing. The slotted well point was decontaminated after each sample and new tubing was used prior to each groundwater sample.

Analytical Methods

The samples were field screened TCE and PCE using the GC laboratory in the Geoprobe van. The GC is an HP 5890 and is equipped with J & W Scientific DB-624 Megabore capillary column specifically designed for analyzing volatile organic compounds (VOC's). The GC is also equipped with an H-Nu photoionization detector (PID), an HP flame ionization detector (FID), and an HP electron capture detector (ECD). Samples were analyzed using a wet headspace method. Twenty milliliters of groundwater sample were added to a sterilized 40 ml volatile organic analysis sample vial. The contents of the vial were then heated in a block heater for 15 minutes at 90^o C to drive off the volatiles. A 500 ul sample was then drawn out through a teflon septum in the vial using a 1 ml Hamilton Gastight syringe. The sample was immediately injected directly into the GC through the GC's direct injection packed inlet system, and sampling was started. Each sample was analyzed for TCE and PCE using the ECD detector in the GC.

Results

Groundwater samples were analyzed from six different borings. The only sample that showed any hits for TCE or PCE was the sample from boring 2. Analysis showed 6 ppb of TCE in the water sample from boring 2. Water samples from borings 1,3,5, and 6 showed hits for other possible chlorinated compounds on the ECD detector. Since these compounds were not calibrated for prior to the start of the days testing, the identity of these compounds could not be established. Water samples from borings 1 and 4 showed hits for benzene on the PID detector. Because the primary focus of the GC analysis was geared toward TCE and PCE the exact concentration of benzene could not be determined, but it was estimated to be approximately 1103 ppb for boring 1 and 182 ppb for boring 4. Toluene was also found in boring 1 and estimated to be approximately 121 ppb. Samples from borings 2,3, and 5 showed small hits for unknown HC (hydrocarbon) compounds on the PID detector.

If you have any questions or would like the raw chromatographs please feel free to call me at (414)653-8265.

Regards,

BRIJOHN ENVIRONMENTAL CONTRACTORS

Eric S. Mueller

Eric S. Mueller

GC RESULTS FROM THE CHRYSLER PLANT IN KENOSHA, WI

BORING #	DEPTH	TCE (PPB)	PCE (PPB)	B (PPB)	T (PPB)
1	GW - 10'	ND	ND	>1103	121
2	GW - 10'	6	ND	ND	ND
3	GW - 10'	ND	ND	ND	ND
4	GW - 10'	ND	ND	182	ND
5	GW - 10'	ND	ND	ND	ND
6	GW - 10'	ND	ND	ND	ND

B - BENZENE
 T - TOLUENE
 TCE - TRICHLOROETHYLENE
 PCE - TETRACHLOROETHYLENE

ND - NOT DETECTED
 GW - GROUNDWATER
 PPB - PARTS PER BILLION

Estimated detection limit TCE - 1 ppb
 PCE - 1 ppb
 Benzene - 10 ppb
 Toluene - 10 ppb