## NTH Consultants, Ltd. A Neyer, Tiseo & Hindo Company

38955 Hills Tech Drive, Farmington Hills, Michigan 48331-3432 313 553-6300 ● Fax: 313 489-0727

#### LETTER OF TRANSMITTAL

	Hiske STD Office uis Glick Hwy, MI 4 <b>4</b> 201	15 13	3 tro6 18 9 10 17 2 22	PROJECT	ecember 26, 1995 No.: 13-5000-R2 PROJECT No.: Closure	
WE ARE SENDIN	IG YOU:	250561 81 TT 8				
Хв	EPORTS	ATTACHE			ATE COVER VIA	THE FOLLOWING:
	DPY OF LETTER	PLANS	<i>.</i> !	_ PRINTS _ OTHER		SPECIFICATIONS
COPIES	NO.	DATE			DESCRIPTION	
1			Initial Assessm Ann Arbor City 721 N. Main St Ann Arbor, MI	Garage treet		
FOF  FOF  AS I  REMARKS: Please	SMITTED AS CHECKED R APPROVAL R YOUR USE REQUESTED REW AND COMMENT Re note that correctives at the site.	APPRO APPRO RETUR DISAPP	OVAL AS SUBMITTED OVAL AS NOTED IN FOR CORRECTIO PROVED ease will be dove	etailed into the	RESUBMIT COI SUBMIT COPIE RETURN CORR FOR RELEASE TO BI corrective action	S FOR DISTRIBUTION ECTED PRINTS DDERS Dlan for other/previous

NTH/10.92

COPY TO:

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

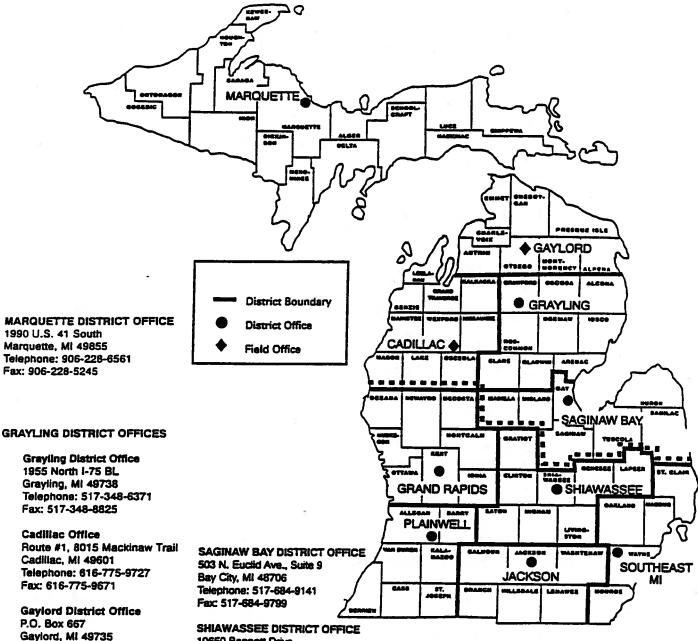
#### LEAKING UNDERGROUND STORAGE TANK REPORT COVER SHEET

Michigan Department of Environmental Quality Underground Storage Tank Division

Required under the authority of 1994 PA 451, as amended

INSTRUCTIONS: Complete this form with all applicable information and st	abmit with each report listed below. The Certified Underground
INSTRUCTIONS: Complete this form with all applicable information and stronger Tank Professional (CP) MUST sign below. Failure to submit a report of the MIST OF THIS FORM	within the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in Administrative to the stated time period may result in the stated time time time time time time time time
myided for in Part 213, Section 21321 of Act 451. USE OF THIS FOREY	IS WELL COLLEGE COLLEG
reports to the appropriate USTD District Office listed on the back of this form	FACILITY ID NUMBER:
FACILITY NAME:	0-008427
ANN ARBOR CITY GLEAGE	MERA SITE ID NUMBER:
ADDRESS: 721 NORTH MAIN STREET  A. I. A CROS MI 4EXO4 COUNTY: WASHIENAM	M(O 141)
CAN ARDER	CONFIRMED RELEASE NUMBER(S):
DATE(S) RELEASE DISCOVERED:	C-753-95
O/O NAME: CITY OF ANN ARBOR	MUSTFA CLAIM NUMBER: 0128
0/0 ADDRESS: 100 HORTH FIFTH AVENUE ANN ARBO	2 MI 4 1 48107
CONTACT PERSON: SANDRA M. KENZIE P.E.	PHONE NUMBER: (3/3) 994-6095
REPORT SUBMITTED: (CHECK THE APPLICABLE REPORT N	
REPORT SUBMITTED: (CHECK THE ATTEMPTED IN	3. Closure Report
X 1. Initial Assessment Report (90 day report)  2. Final Assessment Report (365 day report)	4. Other:
2. Final Assessment Report (505 day report)	
COMPRESSOR AND REPORTS (ANSWER ALL QUESTIONS	DO NOT LEAVE BLANKS):
1 Has the UST been emptied? X Yes No (If no, explain why):	
2. 122 07 07 07 07 07 07 07 07 07 07 07 07 07	5, total gallons recovered since last report:
Z. 1100 blocon branch in amount of a	S, total gallons recovered to date: \$1.65
	YES X NO
3. Have vapors been identified in any confined spaces (basement, sewers)?	
4. State the number of homes where drinking water is or was affected as a re	suit of a release from this facility.
Estimated distance and direction from point of release to nearest:  a. Private well: > 1/2 MILE b. Municipal well: > 1/2 MILE	c. Surface water/wetland: HURON RIVER 1600' NE
	gallons of groundwater remediated: O
Succession to the succession of the succession o	gallons of groundwater remediated: O
TOTAL CONTRACTOR CONTR	ganotis of groundwater remosation
8. Michigan RBCA Site Classification (1-4): 3  CERTIFICATION	OF PEPOPT
I, the undersigned CP, hereby attest to the best of my knowledge and	belief that the statements in this document and all attachments
I, the undersigned CP, hereby arrest to the best of my knowledge and are true, accurate and complete. I certify that it was submitted to the	USTD on December 28, 1995.
are true, accurate and completes. I certify that it was submitted to the	(date submitted-Required)
1 \\	
12/12/95	11/1/18/14
CP Original Signature - Required Date	PRINT QC Project Manager's Name
•	A TOUR CONTRACTS LAN
D.E. NONA P.E.	CONSULTANT: NTH CONSULTANTS, LTD.
PRINT CP's Name	
	PRONE#: 810 553-6300 FAX#: 810-489-0727
ADDRESS: 38955 HILLS TECH DRIVE	PRONE#: 810 553-6300 FAX#: 810-489-0727
ADDRESS: 38955 HILLS TECH DRIVE	
ADDRESS: 38955 HILLS TECH DEITE FARMINGTON HILLS, MI 48331 COMPLETE FOR CLOSURE REPORT ONDY: (Allawer questions), 2	
ADDRESS: 38955 HILLS TECH DEITE FARMINGTON HILLS, MI 48331  COMPLETE FOR GLOSURE REPORT ONLY: (Answer questions), 2  1. Type of RBCA Evaluation: Tier 1 Tier 2 Tier 3	
ADDRESS: 38955 HILLS TECH DEITE  FARMINGTON HILLS, MI 48331  COMPLETE FOR CLOSURE REPORT ONLY: (Answer questions II. 2)  1. Type of RBCA Evaluation: Tier 1 Tier 2 Tier 3  2. Closure report based on which type of land use?: Residential	md3, CP must agaithe certification of the alondre asport)
ADDRESS: 38955 HILLS TECH DEITE  FARMINGTON HILLS, MI 48331  COMPLETE FOR CEOSURE REPORT ONEY. (Answer questions 1, 2)  1. Type of RBCA Evaluation: Tier 1 Tier 2 Tier 3  2. Closure report based on which type of land use?: Residential  3. Institutional Controls: None Notice of Corrective Action	ind 3, CP must sign the certification of the closure report.)  Commercial III Commercial IV Industrial
ADDRESS: 38955 HILLS TECH DEITE  FARMINGTON HILLS, MI 48331  COMPLETE FOR GEOSURE REPORT ONLY: (Answer questions:1,2)  1. Type of RBCA Evaluation: Tier 1 Tier 2 Tier 3  2. Closure report based on which type of land use?: Residential  3. Institutional Controls: None Notice of Corrective Action  4. CERTIFICATION OF CLOSURE REPORT	ind 3, CP must sign the certification of the sloutre report.)  Commercial III Commercial IV Industrial  Restrictive Covenant
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#### MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY UNDERGROUND STORAGE TANK DIVISION



GRAND RAPIDS DISTRICT OFFICE 350 Ottawa Street, N.W. Grand Rapids, MI 49503 Telephone: 616-456-5071 Fax: 616-456-1239

Telephone: 517-732-3541

Fax: 517-732-0794

JACKSON DISTRICT OFFICE 301 E. Louis Glick Highway Jackson, Mi 49201 Telephone: 517-780-7900 Fax: 517-780-7855

**PLAINWELL DISTRICT OFFICE** 1342 SR-89, Suite B Plainwell, MI 49080-1915 Telephone: 616-692-2120 Fax: 616-692-3050

#### 10650 Bennett Drive

Morrice, MI 48857-9792 Telephone: 517-625-4600 Fax: 517-625-5000

SOUTHEAST MI DISTRICT OFFICE

38980 Seven Mile Road Livonia, Mi 48152 Telephone: 313-953-0241 Fex: 313-953-0243

**DIVISION HEADQUARTERS** Michigan Dept. of Natural Resources **Underground Storage Tank Division** 333 S. Capitol Avenue P.O. Box 30157 Lansing, MI 48909-7657 Telephone: 517-373-8168 Fax: 517-335-2245

FOR REPORTING UNDERGROUND STORAGE TANK RELEASES (anytime) **1-800-MICH-UST** 

FOR POLLUTION EMERGENCY (after hours) 1-800-292-4706

> 3999 Rev. 2/95

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#### LIST OF ATTACHMENTS

(Include as Required and Check Box if Attached)

#### DESCRIPTION ATTACHMENT NUMBER Site Map Showing Extent of Remaining Free Product 1 Free Product Recovery System Schematic 2 Area Map Showing Site Boundaries in Relation to Nearby Area 3 Site Map Highlighting Principal Physical Features and Sampling Locations 4 Schedule for Delineation of Off-Site Soil Impacts П Field Screening Results Table for Soils 6 7 Laboratory Results Table for Soils Tier I RBSL / Tier II SSTL Comparison Table for Soils Site Map Showing Soil Sampling Locations, Maximum Contaminant Concentrations, and Sampling Depths Site Map(s) Showing Vertical and Horizontal Distribution of Contaminants in 10 Soil Cross Sections Showing the Vertical and Horizontal Distribution of Soil $\Pi$ Contaminants 12 Soil Boring Logs **Well Construction Diagrams** 13 Groundwater Flow Map Showing Water Level Measurement Locations 14 Description of Hydrogeologic Factors That Could Influence Groundwater 15 Flow Schedule for Delineation of Off-Site Groundwater Impacts 16 🗆 Field Screening Results Table for Groundwater 17 Laboratory Results Table for Groundwater (Including Time Series 18 Presentation) Tier I RBSL / Tier II SSTL Comparison Table for Groundwater 19 Site Map Showing Groundwater Sampling Locations and Maximum 20 **Contaminant Concentrations** Cross Sections Showing the Vertical and Horizontal Distribution of 21 🗆 Groundwater Contaminants Presentation of Time Series Groundwater Results 22 □ Schedule for Delineation of Off-Site Impacts in Other Media 23 🔲 24 🔲 Field Screening Results Tables for Other Media 25 🗆 Laboratory Results Tables for Other Media Tier I RBSL / Tier II SSTL Comparison Tables for Other Media 26 □ Site Map Showing Sampling Locations and Maximum Contaminant 27 🗆 Concentrations for Other Media Calculations Supporting the Tier II SSTLs and Evaluation 28 🗆 Work Plan for Further Site Characterization and Assessment Activity 29 □

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Date: September 20, 1995

I. List the underground storage tanks at this facility and identify the tank(s) associated with this release by placing an "X" in the "LUST" column. (Complete the last two columns for the LUST entries only):

TANK ID NUMBER	CONT (Regulated :	ENTS Substances) le if gasoline -	LUST?	HAS THE TANK BEEN EMPTIED?	HAS THE TANK BEEN REMOVED?
(As Registered)	At Time of Release	Previous Contents	(Yes or No)	(Yes/Date or No See I below)	(Yes/Date or No See J below)
7.3	Diesel Fuel	DIESEL FUEL	YES	YES 04/16/95	No
	ÿ.				= '
	<u> </u>				<u> </u>
				40 4	

J. If "No" was specified in either of the last two columns for any leaking underground storage tank, provide an explanation below: The UST WAS CLOSED IN-PLACE, AFTER CLEANING, BY FILLING IT WITH CEMENT GROUT ON CO-16-95.

#### K. What initial response actions were performed at this site?

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT.
To identify and mitigate fire, explosion and vapor hazards (e.g., relating to free product, vapors in nearby buildings) [324.21307(2)(a)] [324.21307(2)(c)(iii)]	No.	No Fire, Explosion or Vapor Hazards
To prevent further release and migration into the soil or groundwater, including removing product from the UST [324.21307(2)(b)] [324.21307(2)(c)(i) and (ii)]	YES ochulus	TANK EMPTIED & CLOSED IN-PLACE.
To excavate and contain, treat, or dispose of visibly contaminated soil above the water table that are likely to cause a fire hazard or spread and increase the cost of corrective action [324.21307(2)(d)]	No	CONTAMINATED SOIL ENCOUNTERED WAS NOT LIKELY TO CAUSE A FIRE HAZARD OR SPREAD + INCREASE COST OF CARRECTIVE A CTION

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#### 1.0 IMMEDIATE RESPONSE TO SPILLS AND RELEASES

1.1 REPORTING AND RESPONSE T	O RELEASES	
A. Date and Time Release Discovered:  B. Date and Time Release Reported:	06/16/95	11:00 (AM) PM 11:35 (AM) PM
C. From what portion of the underground storelease believed to have likely occurred?  □ Piping	orage tank system did the releas	e occur or is the
☐ Underground storage tank ☐ Overfill of underground storage tag ☐ Other (Specify):	nk (delivery of fuel from suppli	ier)
D. Briefly describe how the release was disco OF A RELEASE WERE NOTED IN THE TANK. IN ADDITION, SEVE	) THE SOILS REMOVED	TO EXPOSE
BOTTOM OF THE TANK.		
E. Has there been tank tightness testing performation in the second strain of the second seco		? (If data is not  Yes No
F. Date of the testing:	· · · · · · · · · · · · · · · · · · ·	
G. Method of testing:	•	
I. Results of the testing:		

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Date: September 20, 1995

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT.
To abate an immediate threat to public health, safety, or welfare, or the environment [324.21307(2)(e)]	references	NO IMMEDIATE THREAT TO RUBUL HEMTH, SAFETT OR WELTARE OR THE ELLVIRONMENT

L. Has free product ever been discovered as a result of the release?	Yes Yes	□ No
NOTE: If "No", skip to Section 2.0; if "Yes", complete questions "M" the	rough "S	<b>5":</b> .
M. Date and Time Free Product Was Discovered: 64/25/95  N. Date and Time Free Product Fax  Transmittal Sheet Submitted: 64/26/95  O. Has there ever been free product in the on-site or off-site soils?  P. Is there currently free product in the on-site or off-site soils?  Q. Is there currently free product in or around buried underground utilities?  R. Has there ever been free product on/in the groundwater?  S. Is there currently free product on/in the groundwater?	10:30	AM/PM

### 1.2 REPORTING AND RESPONSE TO RELEASES INVOLVING FREE PRODUCT

A. What initial response actions were performed at this site to address the presence of free product?

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT.
To identify the presence of free product [324.21307(2)(c)]	YES, C" FREE PRODUCT WAS DISCOVERED IN MW-4 ON 04-25-95	AT THAT TIME DIESEL FUELUST WAS DIED KNOWN TO EXIST. FREE PRODUCT WAS BELIEVED TO BE RELATED TO STHER PREVIOUS RELEASES.  PEROVERED APPROX 1/2 GAL FREE PRODUCT
To recover free product in a manner that minimizes the spread of contamination into previously uncontaminated zones [324.21307(2)(c)(i)]	YES, 11-28-95 11-30-95 12-4-95 12-6-95	RECOVERED MIRON   GAL FREE TRADICT RECOVERED AMEN BOZ FREE PRODUCT RECOVERED AMEN BOZ FREE PRODUCT RECOVERED AMEN BOZ FREE PRODUCT
To utilize recovery and disposal techniques appropriate to site conditions [324.21307(2)(c)(i)]	165, 11-26-95-7	FREE PRODUCT STORED ON-SITE IN A DRUM PENDING PROJECT DISPOSAL

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT.
To properly treat recovery by- products as required by law (identify the type of treatment applied and the expected effluent quality) [324.21307(2)(c)(i)]		
To properly discharge recovery by-products as required by law (identify the location of all on- site and off-site discharge points and all steps taken to obtain necessary permits) [324.21307(2)(c)(iv)]	NA	
To properly dispose of recovery by-products as required by law [324.21307(2)(c)(i)]	No,	PRODUCT CURRENTLY STORED ON-SITE LU A DRUM, AWATING PROPER DISONAL
To handle any flammable products in a safe and competent manner to prevent fires and explosions [324.21307(2)(c)(iii)]	√es	PRODUCT RECOVERED AWAY EROM SPARKS OR FLAMES

#### B. Complete the following table relating to free product recovery:

LOCATION OF OBSERVED FREE PRODUCT (Specify ID No.) IN WELLS	THICKNESS OF FREE PRODUCT OBSERVED (nearest 1/8")	TYPE OF FREE PRODUCT OBSERVED	LNAPL OR DNAPL*?	QUANTITY OF FREE PRODUCT RECOVERED (gallons)
MW-4 04-25-95	6.00 INCHES	Unknama	LNAPL	0
MW-4 06-16-95	Nor RELOCATED	Dieser Fuer	LNAPL	≈ 1/2 GAL
MW-4 09-05-95	7.56 INCHES	Diesec Fuec	LNAPL	. 0
MW-4 11-28-95	2.64 INCHES	Dieser Fuer	LNAPL	216M
MW-4 11-30-95	0.72 INCHES	DIESEL FUEL	LNAPL	≈ <b>2</b> oz
MW-4 12-4-95	2340 N 08.1	Diesel Fuel	LNAPL	× 802
MW-4 12-6-95	1.20 INCHES	Diesel Fuel	LNAPL	≈8 oz
IN EXCAVATIONS	NWELLS	- 52		
MW-4 12-8-95	HONE	_	_	- , · -
HW-4 12-11-45	None			
MW-4 12-22-95	NONE			

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LOCATION OF OBSERVED FREE PRODUCT (Specify ID No.)	THICKNESS OF FREE PRODUCT OBSERVED (nearest 1/8")	TYPE OF FREE PRODUCT OBSERVED	LNAPL OR DNAPL*?	QUANTITY OF FREE PRODUCT RECOVERED (gallons)
OTHER LOCATION	S (Specify)	and again the second of the se	The second of the second	
NA	the state of the s	The Court of the C	The second secon	and the state of the same of the same
	V = 800			
COTAL EDGE PRO	DUCT RECOVERE	D TO DATE		1.656AL
a II de sudant of	any remaining free pro	duct been defined	12 N/A	☐ Yes ☐ No
AMULIALE A SCHOOLS	as Attachment 2 if app			
MM-4 OZING	A BOTTOM FIL	CING BAICETE		
	at is the planned instal			/ / /
F. If "proposed", wh	at is the planned instal	lation date?	348	
F. If "proposed", wh	at is the planned instal	lation date?  operly disposed?	FREF PROS	DUCT IS CURRENT
F. If "proposed", where the state recovered the state recovered the state of the st	at is the planned instal  if free product been pro  an explanation:  THE  ON-SITE IN A  of the person or person  NTH Conso	lation date?  operly disposed?  E RELOWERD F  DRUM, PEN  ns responsible for	FREE PROP	ouct is current per Disposac.
F. If "proposed", where the state recovered the state recovered the state of the st	at is the planned instal  if free product been pro  an explanation:  THE  ON-SITE IN A  of the person or person  NTH Conso  38955 His  Freemington	lation date?  operly disposed?  E RELINERED IT  DRUM PEN  ns responsible for	FREE PROT	COURTENTS PER DISPOSAL.  The free product

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#### 2.0 SITE CHARACTERIZATION INFORMATION

#### 2.1 SITE AND AREA MAPS

A. Attach an area map (Attachment 3) and a site map (Attachment No. 4), drawn to scale, which include the following if applicable. (If it is not possible to include all required information on one map, additional maps may be used. Use of multiple maps should be minimized.)

- Site boundaries in relation to the surrounding area and the nearest major roads (area map)
- Location of each underground storage tank and associated piping in the leaking underground storage tank system (prior to excavation if tanks have been removed)
- Location of the release and the component of the underground storage tank system from which the release occurred
- Location of any other existing and former underground storage tanks at the site
- Approximate location of fill ports, dispensers, and other pertinent system components
- Location of nearby buildings, roadways, paved areas, or other structures
- Location of nearby surface waters or wetlands
- Location and possible depth of nearby underground sewers and utility lines
- Location of all wells on-site and off-site within 100 feet of the property line
- Soil, groundwater, surface water, sediment or air sample locations, as applicable

#### 2.2 SOIL CONDITIONS AND CHARACTERISTICS

A.	Is soil contamination present?	■ Yes	□ No
If	"Yes", complete this Section; if "No", skip to Section 2.3.		
В.	Total volume of soil remediated or disposed to date:	_0	yds³
C.	Describe any soil remediation or disposal activities performed to date:	None	
			2
		#2	л

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D. Describe steps that have been taken, or will be taken, to secure access to off-site properties, including easements and right-of-ways, to complete the delineation of the extent of the off-site impact of the release to soil:  $\[ \[ \] \] \]$ 

STEPS TAKEN OR PLANNED TO SECURE ACCESS TO OFF-SITE PROPERTIES	OFF-SITE PROPERTY OWNER'S NAME	OFF-SITE PROPERTY OWNER'S ADDRESS

E. Provide the	e schedule for cor	npleting the delineation of the include as Attachment No. 5):	extent of	f the <u>off-site</u> impact of the
DOES NOT	APPEAR TO	EXTEND OFF-SITE.		
		1		

- F. Attach Field Screening Results (Attachment No. 6) and Laboratory Results (Attachment No. 7) tables showing the results of all soil sampling performed to date for the listed parameters. (NOTE: The USTD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)
- G. Provide in the Comparison Table for Soils (Attachment No. 8) the maximum contaminant concentrations detected to date in all soils for each listed parameter. (NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed. In areas where remediation has occurred, do not include sample results for areas where the soil has been subsequently removed or the characteristics of the soil left in place have been altered due to the remediation.)
- H. Show the maximum concentrations, sample depths, and estimated horizontal extent of contamination in relation to the soil sampling locations on the site map included as Attachment No. 9.

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(Attachment No. 12): CONTA	0. 10), cross sections (Attachmen	LIMITED TO THE AREA
AMMEDIATELY AROUND	THE UST TO AN EST	IMATED DEPTH OF 8
	the state of the s	
	and the second s	
J. If there is known soil contami	nation not related to the release,	complete the following:
ON-SITE CONTAMINANTS NOT RELATED TO THE RELEASE	SOURCE OF THIS CONTAMINATION (If Known)	LOCATION OF THIS CONTAMINATION
GASOLINE	PREVIOUSLY REMOVED LUST	WEST OF DIESEL FUEL UST
GASOLINE AND/OR DIESEL FUEL	UNDERGROUND PIPING LEAL	NEAR SE CORNER OF MAIN BLOG
	was and a	The state of the s
A. Has groundwater been encoun	12	Yes No
A. Has groundwater been encoun  B. If "No", provide the total depti	ntered at the site?  In investigated and the date of investigation  Depth of Investigation	Yes □ No  Vestigation:  In: ft BGS  :/
A. Has groundwater been encount B. If "No", provide the total depth  If "No", skip to Section 2.4; if "	ntered at the site?  In investigated and the date of investigation  Depth of Investigation	Yes No  No  Vestigation:  The BGS  The BGS  The BGS  The BGS
A. Has groundwater been encount B. If "No", provide the total depth  If "No", skip to Section 2.4; if "  C. Is the groundwater potable?	tered at the site?  h investigated and the date of investigation  Depth of Investigation  Date of Investigation  Yes", continue with Section 2.2	Yes No  Vestigation:  In:  It BGS  It BGS  It BGS  It BGS  It BGS  It BGS
A. Has groundwater been encount B. If "No", provide the total depth  If "No", skip to Section 2.4; if "  C. Is the groundwater potable?  D. Is the groundwater currently a	tered at the site?  h investigated and the date of investigation Depth of Investigation Date of Investigation  Yes", continue with Section 2.2  source of drinking water?	Yes No  No  Vestigation:  It BGS  It BGS  It Yes No  Yes No  Yes No
A. Has groundwater been encount B. If "No", provide the total depth  If "No", skip to Section 2.4; if "  C. Is the groundwater potable?  D. Is the groundwater currently a  E. Is groundwater being used for	tered at the site?  h investigated and the date of investigation Depth of Investigation Date of Investigation  Yes", continue with Section 2  source of drinking water?  a purpose other than potable drin	Yes No
A. Has groundwater been encount B. If "No", provide the total depth  If "No", skip to Section 2.4; if "  C. Is the groundwater potable? D. Is the groundwater currently a  E. Is groundwater being used for a  F. Is more than one groundwater used.	tered at the site?  h investigated and the date of investigation Depth of Investigation Date of Investigation  Yes", continue with Section 2  source of drinking water?  a purpose other than potable drin	Yes No  No  Vestigation:  It BGS  It BGS  It Yes No  Yes No  Yes No

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Groundwater Flow Rate and Diffection.	-114. 6 SAID . 600. ET
K. Predominant soil type in water-bearing stratum (e.g., sand,	Still): Ster Sand + Grayes
L. Effective porosity of water-bearing stratum:	.39 cm 'cm/cm'
M. Hydraulic conductivity ( measured estimated):	4.20×10 cm/sec
by T steed by drouble flow gradient (attach a site map with grot	INGMAREL TIOM OTTECHOR
and elevation data as Attachment No. 14 - USGS datum prefer	rea): 1.45×10 - 1011
	SOUTHERST (direction)
O. Effective groundwater flow rate:	fl/yr
P. Identify hydrogeologic conditions that could influence flow	w direction (describe here
or attach description as Attachment No. 15):	
- PRESENCE OF ALLEN CREEK DRAIN STORM DEWER	
- DOSSELVE OF JARIOUS LINDERGROUND UTILITIES + SEWER	s on-site
- PRESENCE OF UNPAWED AREAS ON PROPERTY WHICH RE	FRESENT POTOUTIAL
RECHARGE ZONE'S AFTER PRECIPATION	1
Q. Is there any indication of a vertical flow gradient?	🗌 Yes 📕 No
R. If "Yes", describe:	
R. II 165, describe.	
11. Law officered by the misers?	Yes No
S. Has the groundwater quality been affected by the release?	
Continue 22	
If "No", skip to Section 2.4; if "Yes", continue with Section 2.3.	
and the second s	on affected by the release?
T. Has the groundwater quality in more than one groundwater unit be	Yes No
	☐ Yes ■ No
<ul> <li>U. Describe any groundwater remediation activities performed to dat</li> </ul>	e: None for This
DELEASE	
A PUMP TEST WAS CONDUCTED AT THE SITE AS PART C	F A PILOT STUDY
FOR OTHER PREVIOUS PELEASES AT THE SITE	
V. Total volume of groundwater remediated to date:	O gallons
A. LOINI ADIMINE OF STORMER MENT TORRESTOR OF STREET	FOR THIS RELEASE

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W.	Does th	he known	plume	currently	extend	off-site?
----	---------	----------	-------	-----------	--------	-----------

Ш	Yes		I
	Unkno	wn	

X. Describe steps that have been taken, or will be taken, to secure access to <u>off-site</u> properties, including easements and right-of-ways, for the purpose of completing the delineation of the extent of the release to groundwater: N/A

STEPS TAKEN OR PLANNED TO SECURE ACCESS TO OFF-SITE PROPERTIES	OFF-SITE PROPERTY OWNER'S NAME	OFF-SITE PROPERTY OWNER'S ADDRESS
-		
	2	

Y. Provide the schedule for comple	sting the delineation of the extent of the	e off-site impact of the		
release to groundwater (indicate here or include as Attachment No. 16):				
	1			

- Z. Attach Field Screening Results (Attachment No. 17) and Laboratory Results (Attachment No. 18) tables showing the results of all groundwater sampling performed to date for the listed parameters. (NOTE: The USTD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)
- AA. Provide in the Comparison Table for Groundwater (Attachment No. 19) the maximum contaminant concentrations detected to date in the on-site or off-site groundwater for each listed parameter. (NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed.)
- BB. Show the maximum concentrations and the estimated aerial horizontal extent of the contaminated plume in relation to the groundwater sampling locations on the site map and include as Attachment No. 20.

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CC. Describe the estimated vertical extent and distributusing depth-coded cross sections (Attachment No. 21) to	hat show screened	intervals of the	- 1
monitoring wells. Cross sections locations should be in	nap: THE D		
GROWDWATER CONTAMINATION FOR THIS RE	LEASE WAS F	bund in the	A COME.
EXCAVATION + AT MW-4	er i de de la companya del companya del companya de la companya de	en e	- Annual Control
and the second s		/	
	0 = 1 = 1 = 1 = .		
DD. Were multiple groundwater sampling events cond	ucted at the site?	☐ Yes ■	l No
EE. If "Yes", include a chronological summary of the rathe data tables provided in Attachment No. 18 and include	results for each sam ide as Attachment l	pling location us No. 22.	ing
2.4 <u>CONDITIONS AND CHARACTERISTICS</u> MEDIA	IN OTHER ENVI	RONMENTAL	
A. Is contamination present in any environmental medi	a other than soil or	groundwater?	No
		L 103	110
NOTE: If "Yes", complete this Section; if "No", skip	p to Section 3.0.		
B. What other environmental media were investigated	as part of this corre	ctive action?	
(Check all that apply):	•		
	☐ Air		
	☐ Surface Wa	iter	
•	☐ Sediments		
	☐ Biota		
	☐ Other (Spec	:ify):	
NOTE: For each environmental media checked, ans	swer questions "C	" through "K".	
C. Total volume of each of the other specified media re units):	emediated or dispos	sed to date (Speci	fy 

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<b>D.</b> Describe any remed of the other specified:			performed to da	
	and the state of the state of			THE STATE OF THE S
	A CONTRACT OF THE PROPERTY OF	The second of the second	Flore Carl Systems (6.14) 14	
		and the second of the second		
the second secon		a stalled and a second data to a second of	di di ingalan naga militar sa na di Silipandan sa na tahi dan militar da militar sa da Silipara sa	an application of the second approximation of
20 50 50		Ja-Val 1		1 61 mm /
				si e
E. Describe steps that including easements a impact of the release to	nd right-of-ways, to	complete the delin	eation of the exte	

STEPS TAKEN OR PLANNED TO SECURE ACCESS TO OFF-SITE PROPERTIES	OFF-SITE PROPERTY OWNER'S NAME	OFF-SITE PROPERTY OWNER'S ADDRESS

release to the other:		the extent of the <u>off-site</u> te here or include as Atta	•
<i>23</i> ):	 		
		•	

- G. Attach Field Screening Results (Attachment No. 24) and Laboratory Results (Attachment No. 25) tables showing the results of all sampling performed to date for the listed parameters in the other specified environmental media. (NOTE: The USTD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)
- H. Provide in the Comparison Table for Other Environmental Media (Attachment No. 26) the maximum contaminant concentrations detected to date in each other specified environmental media for each listed parameter. (NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed.

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In areas where remediation has occurred, do not include sample results for areas where the material has been subsequently removed or the characteristics of the material left in place have been altered due to the remediation.)

	ironmental n	nedia (as appropriate) in relat	ion to the sampling locations on
J. Describe the extent	and distribut	ion of the contaminants in the	e other specified media:
K. If there is known complete the following		in the other specified media	not related to the release,
ON-SITE CONTAMI NOT RELATED TO RELEASE	4	SOURCE OF THIS CONTAMINATION (If Known)	LOCATION OF THIS CONTAMINATION
<del></del>			
	Site Classifi	cation Level (See Attachment e Action at Leaking Undergro	
☐ Class 2: Shor	t-term threat	to human health, safety, or se	ensitive environmental receptors ensitive environmental receptors
☐ Class 4: No d		long-term threat to human he	ensitive environmental receptors ealth, safety, or sensitive

NOTE: Regardless of the classification level, all reports must be submitted within the legislative time frame unless an alternate schedule is approved in writing by the USTD.

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B. If "Class 1" is checked above, complete the following table using the instructions contained in the heading as it applies to each of the conditions or scenarios described:

CHECK BOX IF CONDITION IS CURRENTLY PRESENT	DATE OF CLASSIFICATION
IDENTIFY THE EVIDENCE USED TO CONFIRM THAT THE NOT PRESENT AND, IF PRESENT, DESCRIBE ALL ACTION CURRENTLY BEING PERFORMED TO MITIGATE THE CO	S THAT ARE
☐ Explosive levels or concentrations of vapors that could cause	
acute health effects are present in a residence or facility	
☐ Explosive levels of vapors are present in subsurface utility	,
system(s), but no building or residences are impacted	l
☐ Free product is present	
☐ An active public or private water supply well, public water supply line, or public surface water intake is impacted or immediately threatened	
	n 1
☐ Ambient vapor/particulate concentrations exceed concentrations of concern from an acute exposure, or safety viewpoint	, s

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CHECK BOX IF CONDITION IS CURRENTLY PRESENT	DATE OF CLASSIFICATION
IDENTIFY THE EVIDENCE USED TO CONFIRM THAT THE NOT PRESENT AND, IF PRESENT, DESCRIBE ALL ACTIONS CURRENTLY BEING PERFORMED TO MITIGATE THE CON	THAT ARE
☐ Sensitive habitat or sensitive resources (sport fish, economically important species, threatened and endangered species, surface water, wetlands, etc.) are impacted and affected	

C. If "Class 2", "Class 3", or "Class 4" is checked above, complete the following table with respect to the <u>current</u> site classification level using the criteria and prescribed scenarios presented in Attachment No. 10 of the "Guidance Document for Risk-Based Corrective Action at Leaking Underground Storage Tanks":

IDENTIFY THE CURRENT CONDITION(S) THAT LED TO THE CLASSIFICATION	IDENTIFY THE PRESCRIBED INITIAL RESPONSE ACTION AND THE DATE THE ACTION WAS IMPLEMENTED
POTENTIAL FOR IMPACTED GROWINGTER TO MIGRATE ALONG ALLEN CREEK BRAIN + DISCHARGE TO SUIZFALE WATERS (HURON RIVER)	MONITORING WELL INSTALLED ALONG ALONG CREEK DRANG - B/46 MW-SAMPLED 9/95-No CONTAMINATION
	· 11 6 7 7 1 1 1 2 1 2 1

#### 4.0 RESULTS OF THE TIER I OR TIER II EVALUATION

#### 4.1 EXPOSURE PATHWAY CHARACTERIZATION

A. Check all that apply to this site:

Potential Source(s)

- Impacted Soils
- Dissolved Groundwater Plume

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	Free Phase Liquid Plume	
	Impacted Sediments or Surface Water	P. A. Salandaria
	Other (Specify):	
Detential To	ransport Mechanism(s)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
rotentiai II	Wind Erosion and Atmospheric Dispersion	Kill - Line and House
	Volatilization and Atmospheric Dispersion	
	Volatilization and Enclosed-Space Accumulation	
	Leaching and Groundwater Transport	
ñ	Mobile Free-Liquid Migration	
	Stormwater/Surface Water Transport	
=	Utility Corridors	
	Other (Specify):	
Potential Ex	kposure Routes(s)	
	Soil Ingestion	
	Direct Contact of Soil with Skin	
	Inhalation of Airborne Particulates	
	Inhalation of Volatiles	
	Potable Water Use	
	Use of Non-Potable Water	
	Other (Specify):	
Potential Re	ecentor(s)	
rotentiai ke	Resident	
	Commercial Worker III*	
	Commercial Worker IV*	
n	Industrial Worker	
	Construction Worker	
<u></u>	Sensitive Habitat	
- =	Structures	
	Utilities	
	Surface Waters	
ā	Water Supply Wells	
	Other (Specify):	

<sup>\*</sup> As defined in Attachment No. 11 to the "Guidance Document for Risk-Based Corrective Action at Leaking Underground Storage Tanks"

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NOTE:	A	pathway must	include	three	necessary	elements:
-------	---	--------------	---------	-------	-----------	-----------

1) a source (e.g., contamination);

2) a mechanism by which the contamination can become available to result in exposures at the source or via migration to other locations (e.g., free product and contaminated groundwater movement along a buried utility corridor); and

3) an individual who may come into contact, ingest, or inhale the contamination at the point of exposure (e.g., a utility maintenance worker digging to repair the line).

#### Examples of a complete pathway include:

1. inhalation of impacted soils by an on-site construction worker

2. impacted soils leaching into potable ground water and being used by a nearby resident for drinking and bathing

3. inhalation of vapors resulting from the migration of free product by a neighboring industrial worker

4. impacted groundwater discharging to wetlands

B. List the most plausible potential residential exposure pathway(s) for the site:
CONTAMINANTS MIGRATING TO RESIDENTIAL PROPERTY; POTENTIAL FOR DIRECT CONTACT  AND/OR INHALATION IF CONTAMINANTS MIGRATE TO THE HURON RIVER - POTENTIAL L  POR RECREATIONAL USER DIRECT CONTACT, INCIDENTAL INHALATION/INGESTION, IMPACTED FUN  C. List the most plausible potential commercial exposure pathway(s) for the site:  EMPLOYEES PERFOMING UNDERGROUND WORK AT THE SITE COME INTO  DIRECT CONTACT WITH THE CONTAMINANTS
D. List the most plausible potential industrial exposure pathway(s) for the site:
E. List the most plausible potential sensitive habitat exposure pathway(s) for the site:
4.2 OPTIONAL TIER II EVALUATION  A. Has a site-specific Tier II evaluation been conducted for this Initial Assessment Report?

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B. If "Yes", identify and justify where alternate assumptions or site-specific information was used in place of the default assumptions as defined in Attachment No. 11 of "Guidance Document For Risk-Based Corrective Action At Leaking Underground Storage Tanks":

ASSUMPTION	DEFAULT USTD TIER I SELECTION	ALTERNATE SELECTION	JUSTIFICATION OR BASIS FOR SUBSTITUTION (Attach sheets if needed)
<u>.</u>			

C. Include the calculations supporting the development of Tier II SSTLs as Attachment No. 28.

## 4.3 IDENTIFICATION OF TIER I RISK-BASED SCREENING LEVELS OR TIER II SITE-SPECIFIC TARGET LEVELS AND COMPARISON TO SITE DATA

A. For each contaminated medium, complete a Tier I RBSL / Tier II SSTL Comparison Table (Attachment No. 8 for soil, Attachment No. 19 for groundwater or Attachment No. 26 for other media, as appropriate) by:

- 1. Checking the box associated with the applicable land use scenario;
- 2. Checking the boxes associated with the contaminants currently present at the site;
- 3. Entering the current maximum detected on-site or off-site concentration for each selected contaminant, along with the corresponding sample identification number and date of sampling;
- 4. Entering the lowest applicable RBSL value for soil or groundwater from the Tier I Look-Up Tables (refer to Attachment No. 11 of the "Guidance Document For Risk-Based Corrective Action At Leaking Underground Storage Tanks") for the specific exposure routes present and environmental medium being considered or a corresponding optional Tier II SSTL. [NOTE: Include the exposure route code that identifies the basis for each applicable criterion noted. For example, 12 ug/kg (A) for a cleanup goal based on the direct contact with soil exposure route, and 12 ug/kg (B) for a cleanup goal based on the soil leaching to groundwater exposure route];
- 5. Comparing the contaminant-specific maximum concentration to the corresponding RBSL or SSTL criterion; and

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6. Identifying and recording whether or not there is an exceedence of the RBSL or the SSTL.

B. Tier I RBSL / Tier II SSTL Comparison Tables are attached for the following: (Check all that apply)

		ENVIRONMENTAL MI	EDIUM
LAND USE	SOIL	GROUNDWATER	OTHER (Specify)
Residential	×	×	
Commercial III			
Commercial IV			
Industrial			u u

#### 4.4 PROPOSED FOLLOW-UP ACTIVITIES

A. Based on the results of the Tier I or optional Tier II evaluation, indicate the follow-up activities proposed for the site:

Site conditions do not exceed Tier I RBSLs or Tier II SSTLs	Proceed with site closure
Site conditions exceed some or all Tier I RBSLs or Tier II SSTLs	Propose interim corrective action and subsequent reevaluation of the site (Complete Section 5.0)
Site conditions exceed some or all Tier I RBSLs or Tier II SSTLs	Propose final corrective action to achieve Tier I RBSLs or Tier II SSTLs (Complete Section 5.0)
Site conditions exceed some or all Tier I RBSLs or Tier II SSTLs	Perform further site-specific Tier II or Tier III evaluation to establish alternative SSTLs that meet the target risk goals (Complete Section 5.0)

	THER PREVIOUS RELEASEL SHOULD BE SUFFICIENT TO REMEDIATE	Provide justification for the option chosen (attach additional sheets,	
OTHER PREVIOUS RELEASED SHOULD BE SUFFICIENT TO REMEDIATE		DERECTIVE ACTION KLAN DECIGNED 70 REMEDIATE CONTAM	INATION FROM
CONTAMINATION FROM THIS RELEASE TO TIER I RBSLS.	CONTAMINATION FROM THIS RELEASE TO TIER I RESUS.	DTHER PREVIOUS RELEASEL SHOULD BE SUFFICIENT TO	REMEDIATE
		CONTAMINATION FROM THIS RELEASE TO TIER ! R	BSLS.

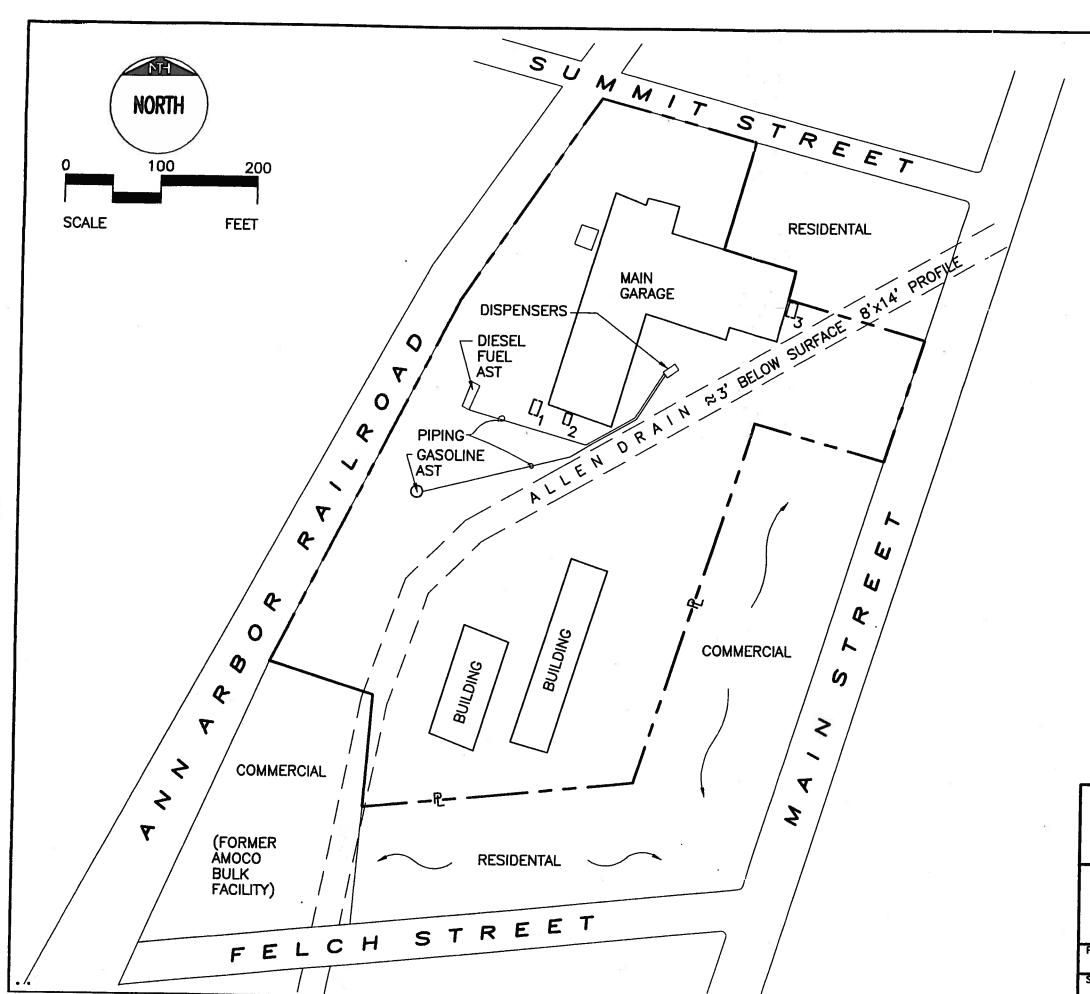
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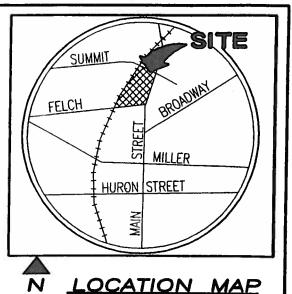
Date: September 20, 1995

## 5.0 WORK PLAN FOR FURTHER SITE CHARACTERIZATION AND ASSESSMENT ACTIVITY

If an interim or final corrective action or a further Tier II evaluation is proposed, additional onsite or off-site characterization work may be required to obtain the information needed to establish alternate protective clean-up levels or to select and implement a cost-effective corrective action program. In these cases, a Work Plan must be developed to describe the proposed additional site characterization activities.

A. Provide a <u>brief</u> Work Plan and implementation schedule (Attachment No. 29) that describes the proposed site characterization activities to be performed to determine the horizontal and vertical extent of contamination, and establish the site conditions needed to prepare a Corrective Action Plan.





SCALE: 1"=2000'

#### LEGEND:

[] = UST

- 1. FORMER 2,000 GALLON GASOLINE UST REMOVED BY TGI ON 12-14-89
- 2. FORMER 1,000 GALLON DIESEL FUEL UST CLOSED IN-PLACE BY NTH ON . 6-16-95
- 3. EXISTING 100 GALLON USED OIL UST INSTALLED IN NOVEMBER 1991

#### NOTES:

BASE MAP OBTAINED FROM ARIAL PHOTOGRAPH DATED APRIL 1993. ORIGINAL SCALE 1"=40'

ALL LOCATIONS AND DIMESIONS ARE APPROXIMATE

#### AREA OVERVIEW

DIESEL FUEL UST CLOSURE ANN ARBOR CITY GARAGE 721 NORTH MAIN STREET ANN ARBOR, MICHIGAN 48104

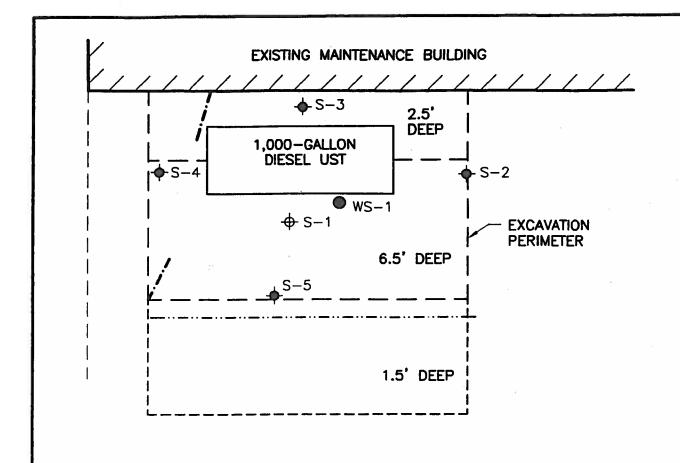


#### NTH CONSULTANTS, LTD.

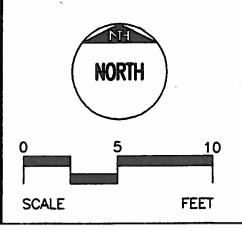
Professional Engineering & Environmental Services

Farmington Hills, Michigan

ROJECT NO.	DRAWN BY:	DATE:	ATTACHMENT NO.
13-5000-R2	KRH	11-13-95	
CALE:	CHECKED BY:	SHEET	3
AS SHOWN	JPS	1 OF 1	



- ◆ EXCAVATION SIDEWALL SAMPLE COLLECTED BY NTH CONSULTANTS, LTD. PERSONNEL ON JUNE 16, 1995
- EXCAVATION BOTTOM, SAMPLE
   COLLECTED BY NTH CONSULTANTS,
   LTD. PERSONNEL ON JUNE 16, 1995
- EXCAVATION WATER SAMPLE COLLECTED BY NTH CONSULTANTS, LTD. PERSONNEL ON JUNE 16, 1995
- UNKNOWN 2-INCH DIAMETER GALVANIZED LINE ENCOUNTERED DURING EXCAVATION ACTIVITIES ON JUNE 16, 1995 BY NTH PERSONNEL
- -- ELECTRICAL LINE
  - UNKNOWN 3-INCH DIAMETER CLAY DRAIN ENCOUNTERED DURING EXCAVATION ACTIVITIES ON JUNE 16, 1995 BY NTH PERSONNEL



#### EXCAVATION SOIL/WATER SAMPLE LOCATION PLAN

CITY GARAGE 721 N. MAIN STREET ANN ARBOR, MICHIGAN



#### NTH CONSULTANTS, LTD.

Professional Engineering & Environmental Services

Farmington Hills, Michigan

PROJECT NO.	DRAWN BY:	DATE:	ATTACHMENT NO:
13-5000-R2	JD	06-19-95	
SCALE:	CHECKED BY:	SHEET	4a
AS SHOWN	RCA	1 OF 1	

AS SHOWN

CJA

1 OF 1

C: \13\50000350 Wed Dec 20 12:13:25 1995

## INITIAL ASSESSMENT RE. JR. - ATTACHMENT NO. 6 FIELD SCREENING RESULTS - SOIL

FACILITY NAME AND ARROR CITY GARAGE
FACILITY ID NUMBER 0-008427
(Duplicate table as needed)

Sample ID	5-1 SOUTH	WALL	5-2 500		Z 2 1				·	
Sample Depth (feet BGS)	3.5		3.5		5-3 Noe		5-4 WE	JUANTE	5-5 Bo	MOTT
Date Collected	6-16-9	)5	6-16-		6-16-		3.5		6.5	
Date Analyzed	6-16-		(o - 1/o-				6-16.		6-16-	<b>95</b>
Collection Method*	65		45		6-16		6-16-		6.14-	95
Screening Instrument	HNU-PI	0	+1NO -		HNU -		45		<u> </u>	
CONSTITUENT	Result	D.L	Result	D.L	Result	D.L	HNU-		HNU-(	
Total Organics (ppm)	300	1	300	1			Result	D.L	Result	D.L
Benzene (ppb)		X - 2	300	•	300	1	3∞	1	300	
Ethylbenzene (ppb)		4			<del> </del>					Total .
Toluene (ppb)	1 - 1					<del> </del>				11.11
Total Xylenes (ppb)	-	7				<del> </del>				
Other (Specify)					1.					
			_			ļ				120
									<u> </u>	J 0.54 6
	290									
	8 2 2	•		-		54 ·				1.4
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	n = 1 = 1									1 31
	71								1	100
									1	
			1/2/1				4			
				.63						. SI, = 1
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BGS = Below Ground Surface		
<ul> <li>Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Penetrometer (CP), Hydropunch (HP)</li> </ul>	Hand Auges (IIA) Conserts (CD) Co.	
Penetrometer (CP), Hydropunch (HP)	rialid Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soll Gas (SG), Con	¢
If Other (OI), specify here:		
D.L. = Detection Limit		

#### INITIAL ASSESSMENT R.. JR. - ATTACHMENT NO. 6 FIELD SCREENING RESULTS - SOIL

FACILITY NAME AND	Aprox C	174	GARAGE	
FACILITY ID NUMBER	0-008	427		

(Duplicate table as needed)

Sample ID	GP-1	5-1	6P-1	5-Z	GP-1	5-3	GP-Z	5-1	6P-Z	5-7
Sample Depth (feet BGS)	2-1	+	4.5-6		8-1		1 - 3		4.5-	
Date Collected	8-29-		8-29	-45	8-29-		8-29-95		8-29-95	
Date Analyzed	65-8	-95	8.29		8-29-	-95	8-29	- 95	8-29-95	
Collection Method*	GP		49		GP		GP		6P	
Screening Instrument	1- U4H	SID	4NU-P	10	HNU-	PID	HM0-1		HN0 -	
CONSTITUENT	Result	D.L	Result	D.L	Result	D.L	Result	D.L	Result	D.L
Total Organics (ppm)	70	0.1	ND	0.1	ND	0.1	130	0.1	150	0.1
Benzene (ppb)		-								
Ethylbenzene (ppb)										MIT.
Toluene (ppb)										J.
Total Xylenes (ppb)	1									
Other (Specify)							1			
										-
= =										
										in the second
	L= ¥					1				1.2-
<u> </u>										A. The
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								4610		
		ļ	1	<u> </u>	<del> </del>	<b> </b>	<del> </del>			-
The second of the second of						<u> </u>			l	<u> </u>

DO2 Delow Clossic Stilling		
* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoo	on (SS), Hand Auger (HA), Geoprobe (GP), C	Continuous Corer (CC), Soil Gas (SG), Con
Penetrometer (CP), Hydropunch (HP)		
If Other (OT), specify here:	965	
D.L. = Detection Limit		

## INITIAL ASSESSMENT R. JR. - ATTACHMENT NO. 6 FIELD SCREENING RESULTS - SOIL FACILITY NAME AND ARROW CITY GARAGE FACILITY ID NUMBER 0-008427 (Duplicate table as needed)

Sample ID	GP-Z	5-3	GP-3	5-1	69-3	6.7	103			عبد
Sample Depth (feet BGS)	9-1		2-4		4.5-			5-3	GP-4	
Date Collected	8-29		8-29-		8-29		9-		2-4	
Date Analyzed	8-29		8-29		8-29		8-29-		8-29.	
Collection Method*	GÁ		<u></u>		GP	10	8-29 GP		8-29	<u>-95</u>
Screening Instrument	HNU-		HNO-		HNU -		HNU -		GP	
CONSTITUENT	Result	D.L	Result	D.L	Result	D.L	Result	D.L	HNU-	
Total Organics (ppm)	20	0.1	CIA	0.1	ИО	0.1	ND		Result	D.L
Benzene (ppb)				<u> </u>	140	0.1	NU	0.1	ND	0.1
Ethylbenzene (ppb)					<del> </del>		<del> </del>			120
Toluene (ppb)					<del> </del>					
Total Xylenes (ppb)						<del> </del>				
Other (Specify)										
										2,4
										75

BGS = Below Ground Surface				
* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe Penetrometer (CP) Hydroguech (HP)	(GD) Continue	··· C (CC)	0-11-0	
Penetrometer (CP), Hydropunch (HP)	(GF), Continuo	us Corer (CC)	, 5011 Cas (SG)	), Cone
If Other (OT), specify here:		× .		
D.L. = Detection Limit				

## INITIAL ASSESSMENT R. JR. - ATTACHMENT NO. 6 FIELD SCREENING RESULTS - SOIL

FACILITY NAME AND ARROR CITY GARAGE
FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

Sample ID Sample Depth (feet BGS)	GP-4		1GP-4	5-3	GP-5	5-1	(0 =		<del></del>	
Date Collected	5-	<b>ب</b>	8-	10			GP-5		68-5	5-3
	8-29.	-95	8-29	-95	2-		4.5 -		9-11	
Date Analyzed		8-29-95		-95	8-30		8.30	-95	8-30	-95
Collection Method®	GP		GP	1-93	8-30	3-95	8-30	1-95	8-30	.95
Screening Instrument	HNU -	PID	HNU-		GF		GP		8-30 6P	in American
CONSTITUENT	Result	D.L	Resuit	D.L	HNU -		HNU-	CIIG	HWU -	PIR
Total Organics (ppm)	150	0.1			Result	D.L	Result	D.L	Result	D.L
Benzene (ppb)		<u>                                   </u>	MD	0.1	ND	0.1	NO	0.1	MD	0.1
Sthylbenzene (ppb)									1610	0.1
Toluene (ppb)										
otal Xylenes (ppb)						4				
other (Specify)										
						77				
		Anna 2				1				
				= 11 == 1		7 77			1 1 1 1	71. 772
				144						
			=							
					7.90					
			A SECRET							
							×	0 = =	=1-12	
			- 2 4 -						- 1	Tales 1.
										- 1
					18, 1		1 = 1			
			<u> </u>							

* Collection Method Codes (List all that apply): Penetrometer (CP), Hydropunch (HP) If Other (OI), specify here: D.L. = Detection Limit	Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geop	erobe (GP), Continuous Corer (C	C), Soil Gas (SG), Cone

## INITIAL ASSESSMENT RL. JR. - ATTACHMENT NO. 6 FIELD SCREENING RESULTS - SOIL FACILITY NAME AND ARROR CITY GARAGE FACILITY ID NUMBER \_\_\_\_O-OOB427

(Duplicate table as needed)

Sample ID Sample Depth (feet BGS)	GP-6 5-7 1/01 63					5.3	1.0 =				
Date Collected	2-4		4.5-	7.0			GP-7	5-1	GP-7	5-2	
Date Analyzed		8-30-95		- 95	9 - 30	9-11			4-7		
Collection Method*	8-30		8-30-		8-30		8-30	-95	E-3	295	
Second Method	49		GP		40		8-30	-95	8-30-95		
Screening Instrument	HW - 1		HNU-1		HNU-		GP		68		
CONSTITUENT	Result	D.L	Result	D.L	Result	D.L	HNU-E		HKW -	PID	
Total Organics (ppm)	7.0	0-1	OOT	0.1			Result	D.L	Result	D.L	
Benzene (ppb)			1	0.1	NO.	0-1	OS	0.1	300	0.1	
Ethylbenzene (ppb)		-								- '97	
Toluene (ppb)									1.	197	
Total Xylenes (ppb)											
Other (Specify)											
										1 1 102	
						-				6.74	
										21 15 274	
									<del> </del>		
				11							
									= 1		
										3	
									- 11 4		
	_								- 1		
									1		
										1 14	
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	market and	1-									
				J							

Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Continuous Corer (CC), Soil Gas

## INITIAL ASSESSMENT R. JR. - ATTACHMENT NO. 6 FIELD SCREENING RESULTS - SOIL

FACILITY NAME AND ARROR CITY GARAGE
FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

Sample ID	GP-7	5-3	4P-8	<u> </u>	1.00					1 1
Sample Depth (feet BGS)	9-1		2-1		GP-8	<u> 5-2</u>	GP-8	<u>S-3</u>	GP-9	5-1
Date Collected	8-30-95		8-30-95		5-8 8-30-95		9-11		S - 14-	
Date Analyzed	8-30-		8-30				<u>ප-30</u>		8-30	-95
Collection Method*	GP	(7.7)	<u>8-30</u>			-95	8-30		8-30	-95
Screening Instrument		HNU-PID		HINU-PID		HNU-PID		GP		
CONSTITUENT	Result	D.L	Result	D.L	Result		エンソー		エンじ -	PID
Total Organics (ppm)	NO	0.1	80			D.L	Result	D.L	Result	D.L
Benzene (ppb)	1.0	0.1	-00	0.1	005	0.1	ND	0.1	100	0.1
Ethylbenzene (ppb)	- 10 11		<del> </del>							
Toluene (ppb)									la al	t v ej
Total Xylenes (ppb)			<del> </del>							
Other (Specify)							· ·			
						- 20				
	- 1									
										- (E) R)*
	14.77					- 1				
										1 130
	1.74						12		1	
				-11	4		_		1 4-4	9.73
					-					(= -, d)
2 11 1004				3 8						
	Page 1		1 11 2 3						1	

pos - peloa giorni 2/11/166		
<ul> <li>Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand A</li> <li>Penetrometer (CP), Hydropunch (HP)</li> </ul>	4444	
Penetrometer (CP), Hydropunch (HP)	uger (HA), Geoprobe (GP), Continuous Corer (CC),	Soil Gas (SG), Cone
If Other (OT), specify here:		
D.L. = Detection Limit		
		1. 3

# INITIAL ASSESSMENT R. JRI - ATTACHMENT NO. 6 FIELD SCREENING RESULTS - SOIL FACILITY NAME AND ARROW CITY GARAGE FACILITY ID NUMBER O-008427 (Duplicate table as needed)

Sample Depth (feet BGS)	GP-9 5-8		GP-9		GP-10		68-10	5-2	100	
Date Collected	05-8		9-	11	2-		4.5-	5- <u>5</u>	GP-10	5-3
Date Analyzed	<u>පි-3</u> 0		8-30		8-30	-95	8-30		9-1	
Collection Method*	<u> </u>	- 13	8-30	s - 95	8-30	-95		-95	8.30	
Screening Instrument	HN0 - 1	210	68		<b>GP</b>		GP	, -95	<u> </u>	
CONSTITUENT	Result	D.L	HNU - 1		- 00H	PID	HNO.		GP	
Total Organics (ppm)	051		Result	D.L.	Result	D.L	Result	D.L.	HNU -	
enzene (ppb)	100	0.1	ND	0.1	ND	0.1	ND		Result	D.L
thylbenzene (ppb)							1.00	0.1	ND	0.1
oluene (ppb)										
otal Xylenes (ppb)									<b></b>	9 1 3
ther (Specify)							<del>                                     </del>			177.5
777										11 11
										4 - 162
					<b>—</b>					1 90
	- 6									11.3
					,					1 -
										4.
-										10 10 10 10 10 10 10 10 10 10 10 10 10 1
						100				1.76
									1	
				2.						. 11
				-						i su
			-		<del></del>  .				1	

BGS = Below Ground Surface     Collection Method Codes (List all that apply): Penetrometer (CP), Hydropunch (HP) If Other (OI), specify here:	Grab Sample (GS), Split Spoon (SS	S), Hand Auger (HA), Geoprobe (GP), Continuo	us Corer (CC), Soil Gas (SG), Cone
D.L. = Detection Limit		, s	

#### INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 7 LABORATORY RESULTS - SOIL

FACILITY NAME AND ARBOR CITY GARAGE FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

5-1 Sou	LAWALT	5-2 EN	TWALL	5-3 0	0.2.711. 44. 4	دار بارج		4 5 3		
								The second name of the local division in which the local division is not to the local division in the local di		
6-20-95								The second name of the last of		
8020		0508								
45		95		95						
Conc	MDL	Conc	MDL	Conc					MDL	
ND	100	ND	50	110	<del></del>					
4800	100		50						100	
			<del></del>						100	
		1							100	
		- 5.35	<del>-                                    </del>	0,00		7,000	2000	4,800	300	
5-1 SOUTHWALL		5-2 ENSTWALL		5-3 NOTHWALL		Salk 1 dager 1000		5.5 B.		
		3.5								
		<del></del>		<del></del>				6-16-95		
									6-20-95	
_									6-23-95	
8310		8310						8310		
65						-				
Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
ND	330	NO	330	ND	330	120	1000		330	
ИР			1						330	
			330	1	<del>                                     </del>	1		1000	330	
				1	†			-	330	
				<del></del>	<del> </del>				330	
					· · · · · · · · · · · · · · · · · · ·				330	
	3.5  6-16  8-20  8-20  802  GS  Conc  ND  4800  12000  7200  3.5  6-16  6-27  8310  GS  Conc	3.5  6-16-95  6-20-95  8020  GS  Conc MDL  ND 100  12000 100  7200 300  5-1 SOUTHWALL  3.5  6-22-95  8310  GS  Conc MDL  ND 330  ND 330  ND 330  ND 330	3.5 3.5  6-16-95 6-16-9  6-20-95 6-20  8020 8020  8020 8020  8020 8020  Conc MDL Conc  ND 100 ND  12000 100 7400  7200 300 5100  5-1 Southwall 5-2 Ens  3.5 3.5  6-20-95 6-20  8310 8310  ND 330 ND  ND 330 ND  ND 330 ND	3.5 3.5  6-16-95 6-16-95  6-20-95 6-20-95  8020 8020  8020 8020  Conc MDL Conc MDL  ND 100 ND 50  12000 100 ND 50  12000 100 T400 50  7200 300 5100 150  5-1 Southwall 5-2 Eastwall  3.5 3.5  6-20-95 6-20-95  6-27-95 6-20-95  8310 8310  ND 330 ND 330  ND 330 ND 330  ND 330 ND 330  ND 330 ND 330  ND 330 ND 330	3.5 3.5 3.5 3.5 3.5 4.16 3.5 4.20 4.20 3.6 4.20 4.20 4.20 4.20 4.20 4.20 4.20 4.20	3.5 3.5 3.5 3.5 4.20-95  6-16-95 6-16-95 6-16-95  6-20-95 6-20-95 6-20-95  8020 8020 8020 8020  GS GS GS GS  Cone MDL Cone MDL Cone MDL  ND 100 ND 50 ND 100  12000 100 7400 50 600 100  7200 300 5100 150 8700 300  5-1 SOUTHWALL S-Z EASTWALL S-3 NORTHWALL  3.5 3.5 3.5 5.5  6-22-95 6-20-95 6-20-95  6-22-95 6-20-95 6-20-95  6-27-95 6-27-95  8310 8310 8310 8310  ND 330 ND 330 ND 330  ND 330 ND 330 ND 330  ND 330 ND 330 ND 330  ND 330 ND 330 ND 330	3.5 3.5 3.5 3.5 3.5 3.5 3.5 5.5 5.5 5.5	3.5 3.5 3.5 3.5 3.5 6.16-95 6.16-95 6.16-95 6.20-95 6.	3.5 3.5 3.5 6.5  (-14-95) (-14	

BGS = Below Ground Surface

<sup>\*</sup> Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soll Gas (SG), Cone Penetrometer (CP), Hydropunch (HP)

If Other (OT), specify here:

MDL = Method Detection Limit

# INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

FACILITY NAME		ARBOR	CITY	GARAGE	
FACILITY ID NUM	BER	0-0	28427		
	(Duplic	ate table	as needed	i)	

POLYNUCLEAR AROMATICS (PNAs)					T		T		T	
Sample ID										
Sample Depth (feet BGS)	5-1 Som	1WALL	S-Z EAS		5-3 No2	THWALL	5-4 Wes	TWAL	5-5 Bar	<u></u>
Date Collected	3.5		3.5	<u> </u>	3.5		3.5		6-5	
Date Extracted	6-16-0		6-16	-95	6-16-	95	6.16	-95	6-16-9	
Date Analyzed	6-50-		6-50	-95	6-20	-95	6-20		6-20	
Analytical Method No.	6-22-		6-22-	95	6-22	-95	6-22		4-22	
Collection Method®	8310		831	0	831	0	831		83	
	45		<u> </u>		65		45		45	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Chrysene	ND	330	NO	330	850	330	ND	1000	850	330
Dibenzo(a,h)anthracene	ND	330	ND	330	ND	330	NO	330	NO	330
1 Fluoranthene	NO	330	ND	330	6400	330	ND	1000		330
Fluorene	42∞	330	1600	330	2200	330	11000	1000	6900	
Indeno(1,2,3-cd)pyrene	20	330	NO	330	ND	330	NO		2500	330
Naphthalene	3900	3.30	6500	330	8200	330	52000	330	NO	330
Pyrene	120	330	2900	330	4400	330		1000	15 000	330
METALS			1 7 7 1		4400	330	No	1000	4600	330
Sample ID			<del> </del>							Maria Tel
Sample Depth (feet BGS)			<del></del>	<del></del>	ļ		<del></del>			
Date Collected			<del> </del>		<u> </u>				10.1	4 - 4
Date Extracted							-			
Date Analyzed				To the Second		<del></del>	ļ			
Inalytical Method No.			<del> </del>		ļ					
Collection Method <sup>o</sup>			<del> </del>						1	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	<del> </del>			
Cedmium			Conc	MIDL	Conc	MDL	Conc	MDL	Conc	MDL
Chromium III			<del> </del>				<u> </u>			
Chromium VI	<del> </del>		<b> </b>						<u> </u>	
Total Lead	<del>  </del>		ļ		,					
a I viai Leiu	J									

BGS = Below Ground Surface		
* Collection Method Codes (List all that apply): Gr	ab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continu	
Penetrometer (CP), Hydropunch (HP)	o outline (Os), spin spool (SS), rimid Auger (HA), Geoprobe (GP), Continu	ous Corer (CC), Soil Gas (SG), Cone
If Other (OT), specify here:		
MDL = Method Detection Limit		

#### INITIAL ASSESSMENT REPORT - A ITACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

FACILITY NAMEALL	ARBOR CITY GARAGE
FACILITY ID NUMBER	0-008427
(Dunti	icate table as needed)

PCBs			<del></del>		T	V20				
Sample ID					<del> </del>					E coat
Sample Depth (feet BGS)			<del> </del>		<del> </del>					10.5
Date Collected		<del></del>	<del> </del>	<del></del>						
Date Extracted			<del> </del>							
Date Analyzed			<del> </del>		<del> </del>			<del></del>		
Analytical Method No.		<del></del>			-					
Collection Method*			<del> </del>		<del> </del>					
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Const	
Aroclor 1016					Collo	MDL	Colle	MUL	Conc	MDL
Aroclor 1221			<del> </del>	<del> </del>	<del> </del>	<b></b>				
Aroclor 1232			<del> </del>		<del> </del>					
☐ Aroclor 1242			<del> </del>	<del> </del>	<del></del>	<del> </del>	5000 50			
Aroclor 1248				<del> </del>	<del> </del>	ļ				
Aroclor 1254	<u> </u>		<del> </del>		<del> </del>					
Aroclor 1280				<del> </del>	ļ	<del> </del>				
HALOGENATED					<b> </b>	<u> </u>		<u> </u>		
HYDROCARBONS					ĺ				- 64	7
Sample ID					ļ					E ITE
Sample Depth (feet BGS)					<del> </del>	<del></del>				
Date Collected			<del> </del>		<del> </del>	i				
Date Extracted					<del> </del>					10 ES
Date Analyzed			<del> </del>		<del> </del>					· ·
Analytical Method No.										
Collection Method*	100				-	- 100		<del></del>		
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Carbon Tetrachloride							Colle	MDL	Conc	MUL
1,1-Dichloroethane					<del> </del>			ļ		ļ
1,2-Dichloroethane										
					ļ					
1,1-Dichloroethylene	1									

BO2 - Below Cloning Smires	
* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Con	tinuous Cores (CC) Seil Cor (CC) Core
· energeneer (or V 11) grobation (111)	mindons Corer (CC), Soil Gas (SC), Cone
lf Other (OT), specify here:	
Marie Method Detection Limit	

### INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

<b>FACILITY</b>	NAME_	ANN ARB	œ City	
<b>FACILITY</b>	ID NUMB	ER O-	T511800	
		(Duplicate tab	le as needed)	

HALOGENATED HYDROCARBONS						1			# 11°	
Sample ID	Great Control		-		<del></del>		<del> </del>			
Sample Depth (feet BGS)	de o	Series I in the			<del></del>		<del> </del>			1.5
Date Collected										200
Date Extracted						·				27-1
Date Analyzed									A LOW YES	
Analytical Method No.	2						<del> </del>	<u> </u>	177	
Collection Method				- 1			<del> </del>			Anne
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	1 1/01	0	T - 1321
cis-1,2-Dichloroethylene			-	1120	Conc	WIDE	Conc	MDL	Conc	MDL
trans-1,2- Dichloroethylene	1					<del></del>				
Tetrachloroethylene			<del> </del>	<del> </del>			<del> </del>			
1,1,2-Trichioroethane										
OTHER (Specify)				L		l	<del> </del>		[ I (C)	
Sample ID	5-1500	THE AND A	S-2 EAST	VI.	6 3 11					6. 1.74
Sample Depth (feet BGS)	3.5		3.5		5-3 No		5-4 Wes	<u>immr</u>	5-5 Bon	
Date Collected	6-16		6-16		6-16				6.5	
Date Extracted	6-20		6-20		6-05-		6-16		6-16-	
Date Analyzed	6-22		6-22		6-22		ري- <u>کې - کې ا</u>		6-50-	
Analytical Method No.	831		8310		831		6-22		6-22.	
Collection Method*	45	4	65		65	-7 - 10 -			65	3
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
ACENAPHTHYLENE	20	330	ND	330	NO	330	NO	1000		
BENZO(GHI) PERILENE	NO	330	ND	330	110	330	70	330	100 :	330
PHENANTHRENE	10	330	8400	330	9300	330	ND	330	9900	330
					1		100	7 330	1 7700	230
								<del> </del>	10	-
								<del> </del>		
			1		<del>                                     </del>	ļ		·		

BGS - Below Ground Surface

<sup>•</sup> Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP)

If Other (O1), specify here:

MDL = Method Detection Limit

#### INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 7 LABORATORY RESULTS - SOIL

FACILITY NAME ANN ARBOR CITY GARAGE FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

VOLATILES					l'					
Sample ID	GP-1		GP-2	1	GP - :	3	69-4		GP-5	
Sample Depth (feet BGS)	4.0-6	.5	4.5-6		4.5-1		5.0-6.0		4.5-7.0	
Date Collected	8-29-	95	8-29	-95	8-24		8-29		8.36-95	
Date Extracted	9-05-	45	47-05	- 95	9-05		9-05-		9-05.	
Date Analyzed	9-05-	95	4-05	- 95	9-05	-95	9-05-		9-05-	
Analytical Method No.	95.08	>	802	.0	ಽ೦ಽ	0	508		8020	
Collection Method®	<b>4</b>		69		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Benzene	ND	10	44	10	ND	10	85	10	NO	10
Toluene	ND	10	34	10	ND	10	ND	10	ND	10
Ethylbenzene	ND	10	6600	10	ND	10	43	10	ND	10
Total Xylenes	ND	30	1200	30	ND	30	ND	30	ND	30
□ мтвв									177	
POLYNUCLEAR AROMATICS (PNAs)						<del></del>		<del></del>	1	53
Sample ID	GP-	***************************************	102		10.5					
Sample Depth (feet BGS)	4.0 -4		4.5-6.5		GP - 7				GP-5	
Date Collected					4-5-6		5.0-0	محسن وحسنان بيات	4.5-	
Date Extracted	8-29-		8-29.		8-29		8.24.		8-30	
Date Analyzed	9-01-		9-01		9-01-95		9-01-95		9-01-95	
Analytical Method No.	8310		9-01-		831		9-01			
Collection Method®	68		68		6P	<del></del>	831	3	8310	· · · · · · · · · · · · · · · · · · ·
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc:	MDL
Acenaphthene	ND	330	ND	330	ND	330		<del> </del>	VID	330
Anthracene	ND	330	ND	330	ND	330	ND	330 330	ND	330
Benzo(a)anthracene	ND	330	ND	330	ND		1	·		
Benzo(a)pyrene	ND	330	ND			330	ND	330	ND	330
Benzo(b)fluoranthene		330		330	VID	330	ND	330	ND	330
Benzo(k)fluoranthene	ND		ND	330	ND	330	ND	330	ND.	330
Penzo(r)mountmene	עט	230	ND	330	ND	330	ND	330	ND	330

**BGS** = Below Ground Surface

• Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP)

If Other (O1), specify here:

MDL = Method Detection Limit

#### INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

FACILITY NAME ANN ARBOR CITY GARAGE FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

POLYNUCLEAR AROMATICS (PNAs)									-15	
Sample ID	GP-1		GP-2		GP-3					
Sample Depth (feet BGS)	4.0-6.5		4.5- (	- 6			GP-4		GP-5	
Date Collected	8-29-		8-29-		4.5-6		5.0-		4.5-7	.0
Date Extracted	9-01-		9-01-		8-59.0		8-29.		8-30	45
Date Analyzed	9-01-		9-01-		9-01-		9-01-		9-01-	.95
Analytical Method No.	8310		8310		9-01-	42	9-01		9-01	-45
Collection Method*	GP		48				8310	3	8310	<b>5</b> 7 19
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	GP		68	11.00
Chrysene	ND	330	<del> </del>	<del></del>			Conc	MDL	Conc	MDL
Dibenzo(a,h)anthracene	NO	330	IND	-230	ND	330	ND	330	ND	330
Fluoranthene	NID		IND	330	ND	330	ND	<i>0</i> 8 <i>E</i>	ND	330
Fluorene	IND	330	ND	330	ND	330	ND	330	ND	330
Indeno(1,2,3-cd)pyrene	NO	330	ND	330	VID	330	ND	330	ND	330
Naphthalene	NO	330	ND	330	ND	330	ND	330	ND	330
Pyrene		330	ND	330	CIN.	330	ND	330	ND	330
METALS	ND	330	ND	330	ND QIA	330	470	330	ND	330
Sample ID	<del> </del>								1 100 1	46 17
Sample Depth (feet BGS)	<del></del>		ļ		<u> </u>				170	
Date Collected	<del> </del>				<u> </u>					ciNo.
Date Extracted	ļ					<del></del>				
Date Analyzed										
Analytical Method No.									27 40	4.2
Collection Method®	<del> </del>				<del> </del>					
CONSTITUENT (ug/kg)	Cone	MDL	Conc	MDL	Conc	MDL		T 125		
Cedmium			Conc	MIDE	Conc	MDL	Conc	MDL	Conc	MDL
Chromium III	<del> </del>	<del> </del>			<del> </del>			<u> </u>	1 .	
Chromium VI	<del> </del>	<del> </del>								<u> </u>
Total Lead									2000	1

BGS = Below Ground S	urface

\* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SO), Cone Penetrometer (CP), Hydropunch (HP)
If Other (OI), specify here:
MDL = Method Detection Limit

## INITIAL ASSESSMENT REPORT - A. FACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

FACILITY NAME AN	N ARBOR CITY	GARAGE
FACILITY ID NUMBER	C24800-0	

(Duplicate table as needed)

PCBs										
Sample ID					<del></del>					
Sample Depth (feet BGS)										
Date Collected			<del> </del>							
Date Extracted			1		<del></del> -					
Date Analyzed	5.		<del> </del>							
Analytical Method No.	3.02						<del> </del>			
Collection Method*	-301				<del></del>		<del> </del>			- 1
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Cons	1461
Aroclor 1016	-10-6-					WIDE	Conc	MUL	Conc	MDL
Aroclor 1221			<del> </del>	<del> </del>	<del> </del>					
Aroclor 1232					<del></del>	<del> </del>		<u> </u>		
Aroclor 1242			<del> </del>		<del> </del>		<del> </del>			
Aroclor 1248			<del> </del>		<del> </del>	<del> </del>	<del> </del>			
Aroclor 1254	· ·					<del></del>	<del> </del>	<u> </u>		
Aroclor 1280					<del></del>	<u> </u>	<del> </del>			
HALOGENATED						<u> </u>		<u></u>		
HYDROCARBONS	1								42.5	
Sample ID										
Sample Depth (feet BGS)			<del> </del>							
Date Collected										
Date Extracted			<del> </del>							
Date Analyzed				<del></del>		<del></del>	<del></del>			
Analytical Method No.										
Collection Method*			<del> </del>							
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Carbon Tetrachloride								I WIDD	CONC	MIDL
1,1-Dichloroethane						<del> </del>	<del>                                     </del>			· *********
1,2-Dichloroethane	1		<del> </del>			<del> </del>				
1,1-Dichloroethylene										

BUS = Below Ground Surface	
* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Contin	Manus Cores (CC) Soil Gas (SG) Core
Penetrometer (CP), Hydropunch (HP)	idous Corer (CC), Son Gas (A(1), Cone
lf Other (OT), specify here:	14 - 4
Method Detection Limit	

### INITIAL ASSESSMENT REPORT - A. FACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

FACILITY NAME	AHH	ARBOR	CITY	GARAGE	
<b>FACILITY ID NUM</b>	RED	0-009	427		_

(Duplicate table as needed)

HALOGENATED HYDROCARBONS											
Sample ID											
Sample Depth (feet BGS)			ļ		<del> </del>						
Date Collected					<u> </u>					== 1	
Date Extracted	<del></del>		<del> </del>		ļ				E A A Fig.	tern d	
Date Analyzed			<del> </del>		ļ					14	
Analytical Method No.										E. J.	
Collection Method <sup>6</sup>					<b> </b>						
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MOL	<del></del>	T 7.55			
cis-1,2-Dichloroethylene			COHO	MIDL	Conc	MDL	Conc	MDL	Conc	MDL	
trans-1,2- Dichloroethylene				ļ		<del> </del>			3		
Tetrachloroethylene		<del></del>		<u> </u>	<del></del>	ļ					
1,1,2-Trichloroethane		<del> </del>	ļ	<del> </del>	<u> </u>						
OTHER (Spec(fy)		<u></u>							1'		
Sample ID	GP-		68-	7	GP-	2		11	10		
Sample Depth (feet BGS)	4.0 - 4		9.5-0		4.5-6		GP.		The second second	6P-5 4.5-7.0	
Date Collected	8-29			9-95	8-59				Contract of the last		
Date Extracted	9-01		9-01		9-01-		8-29-95 8-30.9				
Date Analyzed	9-01		9-01		9-01		9-01-		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I	THE PERSON NAMED IN	
Analytical Method No.	831		831		831		83		9-01-		
Collection Method <sup>o</sup>	GP		60		GP		60	<del>`</del>	6P	7-11-11-1	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Cone	MDL	
ACENAPHTHYLENE	NO	330	NO	330	ND	330	ND	330	ND:	330	
BENZO(641) PERYLENE	ND	330	NO	330	ND	330	GN	330	ND	330	
PHENANTHRENE	ND	330	NO	330	ND	330	ND	330	ND	330	
								1	1		
					]						
								<del> </del>			

	Λe	- D	سماء	Comme	d Surface	
в	шэ			L STEELING	a surres	

<sup>\*</sup> Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP)

If Other (OT), specify here:

MDL = Method Detection Limit

#### INITIAL ASSESSMENT REPOR: - ATTACHMENT NO. 7 LABORATORY RESULTS - SOIL

FACILITY NAME ANH ARBOR CITY GARAGE FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

VOLATILES										
Sample ID	GP-4		GP	1	GP-1	9	GP-0	`	4.0 .6	and the second
Sample Depth (feet BGS)	4.5-7	.0	4.0-		5.0-8.0		5.0-8.0		GP-10	
Date Collected	8-30.	-95	8-30		8-30		5.0-6 0E-8		4.5-6.5	
Date Extracted	9-05	-95	9-05		9-05		9-05			
Date Analyzed	9-05	-95	4-05		9-05		9-05		9-05	
Analytical Method No.	802	٥	802		8020		508		9-05	
Collection Method®	GP		68		<b>GP</b>		GP		8020 92	<u> </u>
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Benzene	ND	10	ND	10	ND	10	NO			
Toluene	13	10	NO	10	18	10	ND	10	ND	10
Ethylbenzene	ND	10	ND	10	370	10	ND	10	110	10
Total Xylenes	51	30	NO	30	120	30			ND	10
□ MTBE			1,40	<u> </u>	1,20	30	ND	30	110	30
POLYNUCLEAR AROMATICS (PNAs)		1				!		<u> </u>		3134
Sample ID	6P-60		66-	7	GP-8		4 0 6		4.0	20 10 10 10 10 10 10 10 10 10 10 10 10 10
Sample Depth (feet BGS)	4.5-7		4.0-7		5.0 -8	-	6P-9		4.5-6.5	
Date Collected	8-30-		8-30		8.30		5.0 -			
Date Extracted	9-01-		9-01-		9-01-0		9-01-		8-30-	-
Date Analyzed	9-01-		9-01		9-01-		9-01-		9-01-	
Analytical Method No.	8310	<del></del>	831		8310		831		9-01	
Collection Method®	GP		GP		GP		GP		8319 Gl	3
CONSTITUENT (ug/kg) .	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Acenaphthene	ND	330	ND	330	IND	330	ND	330	ND	330
Anthracene	ND	330	ND	330	ND	330	NO	330	ND	330
Benzo(a)anthracene	ND	330	ИD	330	ND	330	ND	330	DN	330
Benzo(a)pyrene	NO	330	ИD	330	ND	330		330	ND	330
Benzo(b)fluoranthene	ND	330	ND	330	ND	330	ND			330
Benzo(k)fluoranthene	ND	330	ND	330	1/10	330	ND	330	ND.	
			עיין		עטו	1 330	ND	330	ND	330

BGS = Below Ground Surface

<sup>•</sup> Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP)

If Other (OT), specify here:

MDL = Method Detection Limit

#### INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

FACILITY NAME ANN	ARBOR	CITY	GARAGE	
FACILITY ID NUMBER	0-00	3427		

(Duplicate table as needed)

POLYNUCLEAR AROMATICS (PNAs)			1 7 25	. 55			1,		1.00	
Sample ID	GP-6		GP		GP-8	٦.	(0)			eta jesti
Sample Depth (feet BGS)	4.5-7	.0	4.0-7		5.0-8		GP-9		4.5-6.5	
Date Collected	8-30-	-95	8-30		8-30		5.0 -			
Date Extracted	9-01-		9-01-		9-01-		8-30-		8-30	
Date Analyzed	9-01-	95	9-01-		9-01		9-01-		9-01	
Analytical Method No.	8315		831		831		9-01		9-01-	
Collection Method®	GP		GP		GP		<u>6</u> ρ		8311	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Chrysene	ND	330	ND	330	ND	330				
Dibenzo(a,h)anthracene	QN	330	ND	330	ND	330	ND	330	ND	330
Fluoranthene	DID	330	ND	330	ND	330	ND	330	ND	330
Fluorene	an	330	ND	330	ND	330	ND	330	ND	330
Indeno(1,2,3-cd)pyrene	ND	330		330			NO	330	ND	330
Naphthalene	ND	330	ND		ND	330	ND	330	ND	330
Pyrene	ND	330	ND	330	ND	330	ND	330	ND	330
METALS	1/45	330	ND	330	ND	330	ND	330	ND	330
Sample ID			<del> </del>				<del> </del>			<u> </u>
Sample Depth (feet BGS)	<del>                                     </del>								100	1
Date Collected										327 19
Date Extracted			<b> </b>							
Date Analyzed									1922	
Analytical Method No.										
Collection Method®					<del> </del>	·				
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	1 (75)
D Cadmium			CONT	1100	Conc	IVIDE	Cone	MUL	Conc	MDL
Chromium III						-			1	
Chromium VI							<del> </del>	<b> </b>		-
Total Lead								111		7 2 2
TI TOTAL INCERT	1						li *			

BGS - Below Ground Surface

<sup>\*</sup> Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soll Gas (SO), Cone Penetrometer (CP), Hydropunch (HP) If Other (O1), specify here:

MDL = Method Detection Limit

#### INITIAL ASSESSMENT REPORT - A TTACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

FACILITY NAMEA_	IN ARBOR CITY GARAGE
<b>FACILITY ID NUMBER</b>	0-008427

(Duplicate table as needed)

PCBs										
Sample ID	- 41.34	143								5 ± 100
Sample Depth (feet BGS)				11						N 1 18 1 1 1
Date Collected	A 1								1 2 1	
Date Extracted										
Date Analyzed	1									
Analytical Method No.								-		3
Collection Method®	1		72.0							
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Aroclor 1016	,			-					. 51.4.5	44 - Hali
Aroclor 1221						-		<del>                                     </del>		
Aroclor 1232										7,00
Aroclor 1242	7 -									
Aroclor 1248										
☐ Aroclor 1254			<b></b>	<del> </del>	<del> </del>		<b></b>			
☐ Aroclor 1280	1									A same
HALOGENATED HYDROCARBONS				<del></del>	-					Diff. Can
Sample ID			<del> </del>			<del></del>			1.14 1.	
Sample Depth (feet BGS)									1.1.4.4	
Date Collected		7.1		8					29 5 4	
Date Extracted	h 5 = -		The Y							-114
Date Analyzed										
Analytical Method No.							71 11		17 1 100	
Collection Method*	- T									
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Carbon Tetrachloride				1					-:	1-
1,1-Dichloroethane					<del></del>	<del> </del>			0 600	-0.0
1,2-Dichloroethane			<del>                                     </del>		<del> </del>	<del> </del>			<del></del>	
1,1-Dichloroethylene			<b></b>						<del> </del>	

BGS = Below Ground Surface	
* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (IIA), Geoprobe (GP), Continuo	us Corer (CC), Soil Gas (SG), Cone
Penetrometer (CP), Hydropunch (HP)	
lf Other (OT), specify here:	
V - Method Detection Limit	

#### INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 7 (CON'T) LABORATORY RESULTS - SOIL

		ARBOR	CITY	GARAGE	
<b>FACILITY ID NUMB</b>	ER	0-0084	124		
	(Duplica	te table as ne	eded)	,	

HALOGENATED HYDROCARBONS						·				
Sample ID			<del> </del>		<del> </del>	-				
Sample Depth (feet BGS)		<del></del>	<del> </del>		<del> </del>			<del></del>		43
Date Collected				<del></del>	<del> </del>					
Date Extracted			<del> </del>		<del>                                     </del>				14. N. 25	
Date Analyzed										
Analytical Method No.										Acceptance of
Collection Method <sup>6</sup>			<del></del>							77
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Comme	1.454
☐ cis-1,2-Dichloroethylene						MIDE	Cone	MIDL	Conc	MDL,
trans-1,2- Dichloroethylene				<del> </del>		<del> </del>			17 m	42
Tetrachloroethylene		<del></del>	}	<del> </del>		<del></del>				
1,1,2-Trichloroethane				<del> </del>	<del> </del>				N 18 = N2 - 1	-1-2
OTHER (Specify)						L				
Sample ID	GP-4		GP	<del></del>	GP-	0	4.0	<del> </del>		
Sample Depth (feet BGS)	4.5 -		4.0-		5.0 - 9		<u> </u>		GP-1	عددات المستحددات
Date Collected	8-30.		8-30		8-30		5.0~		4.5-	THE OWNER WHEN PERSON NAMED IN
Date Extracted	9-01-		9.01		9-01.		B-30		8-30	the latest the latest two latest
Date Analyzed	9-01-		9-01		9-01-		9-01		9-01-	
Analytical Method No.	831		831		831		9-01		9-01-	THE RESERVE THE PERSON NAMED IN
Collection Method®	68		<u>6</u> 8		60		4P	<del>-</del>	831 6P	0
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
ACENAPHTHYLENE	ND	330	MD	330	NO	330	VID	330	ND	330
BENZO(GHI) PERTLENE	ND	330	ND	330	ND	330	NID	330	ND	330
PHENANTHRENE	ND	330	ND	330	ND	330	NID	330	ND	330
								-500	100	220
								<del> </del>		
0								<del> </del>		
					<del></del>	I				

**BGS - Below Ground Surface** 

<sup>\*</sup> Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here:
MDL = Method Detection Limit

# INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 8 TIER I RBSL / TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS

FACILITY	NAME	ANN APBOR	CM	GNENDE
<b>FACILITY</b>	ID NO.	0-00		

	Residential	. <b>.</b>	Commercial III		0	Commercial IV	0	Industrial	
Expos A.	ure Codes Direct Contact			В.	Soil I	.eaching to Potable Groundwa	ler		4

Contaminant	Sample ID with Corresponding R Maximum Detected Sample Concentration Date		Maximum Detected Concentration (ug/kg)	Applicable with Expos	ure Codes	Criterion Exceeded?  (Yes or No)	
VOLATILES				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
Benzene						365 ATA	
	MESTWALL	6-16-95	2300	88000 A	1 4 9	10	1 1 7
Toluene	WESTWALL	6-16-95	9900	24000000 A		70	. 1
Ethylbenzene	WESTWALL	6-16-95	34 000	11 000 000 A		00	
Total Xylenes	WESTWALL	6-16-95	45 000	A 000 000 00S		NO	The cold
MTBB						1/14/7/3	- T. 198
POLYNUCLEAR AROMATICS (PNA)			-			E.S. F	120
Acenaphthene	WESTWALL	6-16-95	41000	76000 000 A		NO	75 %
Anthracene	BOTTOM	6-16-95	2500	420 000 000 A	i.	NO.	1 1 1 1 1 1
Benzo(a)anthracene	NORTHWALL	6-16-95	1600	14 000 A		10	1
Benzo(a)pyrene	Borroy	6-16-95	1100	1400 A		NO	4
Benzo(b)fluoranthene	WESTWALL	6-16-95	41000	14 000 A		120	1
Benzo(k)fluoranthene	WESTWALL	6-16-95	4 1000	A 600 041	-	10	
Chrysene	NOETHWALL	6-16-95	850	1400 000 A		NO	
Dibenzo- (a,h)anthracene	WEST WALL	6-16-95	L330	1400 A	-	NO	
Fluoranthene	BOTTOM	6-16-95	6900	51000000 A	-	70	
Fluorene	WESTWALL	6-16-95	11,000	51 000 000 A		70	<del> </del>
Indeno(1,2,3-cd)pyrene	WESTWAL	6-16-95	4330	14 000 A		70	<del>- </del>
Naphthalene	WESTWAL	6-16-95	52.000	15 000 000 A		10	
Pyrene	Воттом	6-16-95	4 600	32 000 000 A		10	

# INITIAL ASSESSMENT REPONDED A CHMENT NO. 8 (CON'T) TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS

FACILITY NAME ANN ARROR - CITY GARAGE
FACILITY ID NO. 0-008427

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/kg)	with Expos	Applicable Criterion with Exposure Codes (ug/kg)		Criterion Exceeded?  (Yes or No)	
				Tier I	Tier II/III	Tier I	Tier 11/11	
METALS	I I			RBSL	SSTL	RBSL	SSTL	
☐ Cadmium						14 - 14 - 15	1 30.0	
☐ Chromium III					J.			
Chromium VI						24-35	j	
☐ Total Lead						100	<del> </del>	
PCBs						11 2 2	<del> </del>	
Aroclor 1016						ant as		
Aroclor 1221			·			THE TANK THE	<del></del>	
Aroclor 1232						7 15 16 16 17		
☐ Aroclor 1242							-	
Aroclor 1248						44-1		
Arocior 1254					- 10-10-11	77000	-	
Aroclor 1280	* DV					with the second	•	
HALOGENATED					1			
HYDROCARBONS						11 - 11 - 11	-	
Carbon Tetrachloride							7	
1,1-Dichloroethane							1,21, 1927	
1,2-Dichloroethane							1 - 15	
1,1-Dichloroethylene						1,124,005	- IA 1210	
cis-1,2-						1.64	41 44-	
Dichloroethylene	,					15 JE 10 3		
trans-1,2-							1.	
Dichloroethylene								
Tetrachloroethylene						-1 -2h- 15		
1,1,2-Trichloroethane						4		
THER*						7 1		
ACENAPHTHYLENE	WEST WALL	6-16-95					<del> </del>	
BENZO(GHI) PER-ILENIE	WESTWALL	6-16-95	Z 1000	1 500 000 A		NO		
PHENANTHRENE	BOTTOM	6-16-95	۷ 330	1 500 000 4		No		
		6-16-75	9900	1 500 000 4		НО		

List additional contaminants as appropriate

# INITIAL ASSESSMENT REPORT - ATTACHMENT NO. 8 TIER I RBSL / TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS FACILITY NAME ANN ARBOR CITY (ARRAGE

FACILITY NAME	ANN ARBOR CITY GARAGE
FACILITY ID NO.	0-008427

	Residential	□ Commercial III		Commercial IV	Industrial	
Expos A.	ure Codes Direct Contact		В.	Soil Leaching to Potable Groundweter		

Conteminant	Sample ID with Corresponding Maximum Detected Sample Concentration Date		Maximum Detected Concentration (ug/kg)	Applicable Criterion with Exposure Codes (ug/kg)		Criterion Exceeded?  (Yes or No)	
VOLATILES				Tier I RBSL	Tier II/III SSTL	Tier I	Tier II/II
Benzene					3311	RBSL	SSTL
Toluene	WESTWALL	6-16-95	2300	100 B			
Ethylbenzene	WESTWALL	6-16-95	9900	16000 B		Yes	
Total Xylenes	MESTWALL	6-16-95	34 000	4700 B		No	
MTBE	WESTWALL	6-16-95	45 000	74 000 B	- 1	No YES	
POLYNUCLEAR						NO	
AROMATICS (PNAs)  Acenaphthene						A 138	
Anthracene	WESTWALL	6-16-95	41000	120000 B			
	BOTTOM	6-16-95	2500	150 000 €		Мо	
Benzo(a)anthracene	NORTHWALL	6-16-95	1600	14 000 B		No	
Benzo(a)pyrene	BOTTOM	6-16-95	1100	3700 B		No	The state of the s
Benzo(b)fluoranthene	WESTWALL	6-16-95	41000	14 000 B		No	
Benzo(k)fluoranthene	WESTWALL	6-16-95	41000	140 000 B		No	
Chrysene Dibenzo-	NOISTHWALL	6-16-95	850	1400 000 B		No	<del></del>
(a,h)anthracene	WESTWALL	6-14-95	L330	1		No	<del></del>
Fluoranthene	BOTTOM	6-16-95	6900	4200 B		No	
Fluorene	WESTWALL	6-16-95	11 000	68 000 B	· · · · · · · · · · · · · · · · · · ·	No	
Indeno(1,2,3-cd)pyrene	WESTWALL	6-16-95		89 000 B	<del></del>	40	
Naphthalene	WESTWALL	6-16-95	4330 52000	14 000 B		No	
Рутепе	BOTTOM	6-16-95	4600	5500 B		<u>Yes</u>	1

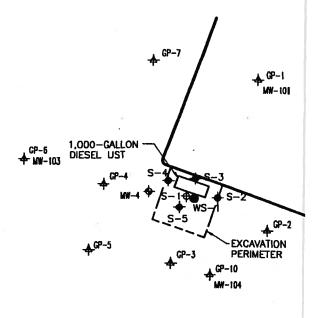
# INITIAL ASSESSMENT REPONDENT FACHMENT NO. 8 (CON'T) TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS

FACILITY NAME ANN ARBOR CITY GARAGE
FACILITY ID NO. 0-008427

Conteminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Sample Concentration with Exposure Codes  (ug/kg) (ug/kg) (Vecented)		(ug/kg)		
Armen is a				Tier I	Tier II/III	Tler I	Tier 11/11
METALS				RBSL	SSTL	RBSL	SSTL
Cadmium							- 33.0
Chromium III			<del> </del>			(10.00)	
Chromium VI							- A
Total Lead						A Comment	
PCBs						7 1.35 1 7	
Aroclor 1016					1 4	40.00	
Aroclor 1221							
Aroclor 1232							
Aroclor 1242					<del> </del>		
Aroclor 1248					<del></del>		
Aroclor 1254					1		
Aroclor 1280	-						
ALOGENATED							
<b>IYDROCARBONS</b>					<del> </del>		
Carbon Tetrachloride		· <del></del>				Talk to	
1,1-Dichloroethane	<del> </del>					17 18 2 30	
1,2-Dichloroethane					<del> </del>		
1,1-Dichloroethylene	<u>-</u>						
cis-1,2-	<u> </u>			·	<del> </del>		
Dichloroethylene							1 27
trans-1,2-	·						
Dichloroethylene							
Tetrachloroethylene							
1,1,2-Trichloroethane					<del>  </del>		
THER*				<del></del>	<del> </del>  -	4	
ACENAPHTHYLENE	WESTWALL	6-16-95	L 1000	A 1	-,	a Calman da Maria	
BENZO(GHI) PER-ILENIE	WESTWALL	6-16-95		1400 B	No	46)	
PHENANTHRENE	BOTTOM	6-16-95	9900	500 000 B	NO YES		

<sup>•</sup> List additional contaminants as appropriate

Contaminant (	Concentration (ppb)	Location
	one of the state o	Boottion
Benzene	2300	S-4 Westw
Toluene	9900	S-4 Westw
Ethylbenzene	34000	S-4 Westw
Xylenes	45000	S-4 Westw
Acenaphthene	<1000	S-4 Westw
Acenaphthylene	<1000	S-4 Westw
Anthracene	2500	S-1 Botton
Benzo(a)anthracen	e 1600	S-3 Northy
Benzo(a)pyrene	1100	S-1 Botton
Benzo(b) fluoranthe	ne <1000	S-4 Westw
Benzo(ghi)perylene	<330	S-4 Westw /
Benzo(k)fluoranthe	ne <1000	S-4 Westw
Chrysene	850	S-3 North
Dibenzo(a,h)anthra	cene <330	S-4 Westw
Fluoranthene	6900	S-1 Botton
Fluorene	11000	S-4 Westw
Indeno(1,2,3-cd)pyr	ene <330	S-4 Westw
Naphthalene	52000	S-4 Westwi
Phenanthrene	9900	S-1 Botton
Pyrene	4600	S-I Botton



#### LEGEND:

30

60

FEET

EXISTING MONITORING WELL INSTALLED BY THE TRAVERSE GROUP, INC. BETWEEN JUNE, 1990 AND MARCH, 1993

0

**SCALE** 

- ♦ EXCAVATION SIDEWALL SAMPLE COLLECTED BY NTH CONSULTANTS, LTD. PERSONNEL ON JUNE 16, 1995
- EXCAVATION BOTTOM SAMPLE
   COLLECTED BY NTH CONSULTANTS,
   LTD. PERSONNEL ON JUNE 16, 1995
- EXCAVATION WATER SAMPLE COLLECTED BY NTH CONSULTANTS, LTD. PERSONNEL ON JUNE 16, 1995
- ♣ GEOPROBES & MONITORING WELLS INSTALLED BY NTH CONSULTANTS, LTD. BETWEEN 8-29-95 AND 8-31-95

#### SOIL SAMPLING LOCATIONS MAXIMUM CONTAMINANT CONCENTRATIONS

ANN ARBOR

RTH MAIN STREET BOR, MICHIGAN

#### NTH CONSULTANTS, LTD.

Professional Engineering & Environmental Services

Farmington Hills, Michigan

5.	DRAWN BY:	DATE:	ATTACHMENT NO:
0-R2	KRH	12-12-95	
	CHECKED BY:	SHEET	7 Y
#N	JPS	1 OF 1	

### **Attachment 12**

Soil Boring Logs

PROJECT NO: 13-5000-R2	NTH CONSULTANTS, LTD.	SHEET 1 OF 3
------------------------	-----------------------	--------------

#### LOG OF GEOPROBES

DDODE	GROUND			SAMI	SAMPLE INFORMATION				
PROBE NO.	SURFACE	DEPTH (FT)	DESCRIPTION	SAMPLE	DEPT	ПН (FT)	HNU		
	ELEV.			NO.	FROM	То	Reading (PPM)		
						1			
GP-1	N/A	0.0-0.5	PAVEMENT: CONCRETE						
		0.5-3.0	FILL: BROWN SILTY SAND & GRAVEL						
		3.0-4.0	FILL: BROWN SILTY CLAY WITH SAND SEAMS						
		4.0-6.5	FILL: BLACK ORGANIC CLAYEY SILT	S-1	0.5	4.5	<1		
		6.5-11.5	BROWN SILTY FINE TO MEDIUM SAND	S-2	4.5	8.5	<1		
		11.5-12.5	GRAY CLAYEY SILT WITH SANDY SILT SEAMS	S-3	8.5	12.5	<1		
			[GROUNDWATER ENCOUNTERED AT 6.5 FT BGS; CAVED TO 5.5 FT BGS]						
GP-2	N/A	0.0-0.5	PAVEMENT: CONCRETE						
		0.5-3.0	FILL: Brown SILTY SAND & GRAVEL						
		3.0-6.5	BLACK SANDY CLAY TO CLAYEY SILT WITH SOME SAND (ORGANIC ODOR)	S-1	0.5	4.5	130		
		6.5-9.0	BROWN SILTY SAND & GRAVEL	S-2	·4.5	8.5	150		
		9.0-12.5	GRAY CLAYEY SILT WITH SANDY SILT SEAMS	S-3	8.5	12.5	<1		
		2	[groundwater encountered at 6.5 ft bgs; caved to 6.5 ft bgs]						
		#F5007							
GP-3	N/A	0.0-0.2	PAVEMENT: ASPHALT						
		0.2-2.0	FILL: DARK BROWN SILTY SAND & GRAVEL WITH TRACE OF WOOD						
		2.0-6.0	BLACK ORGANIC CLAYEY SILT	S-1	0.5	4.5	<1		
		6.0-11.0	Brown <b>SILTY FINE</b> to <b>MEDIUM SAND</b>	S-2	4.5	8.5	<1		
		11.0-12.5	GRAY SILTY CLAY WITH SILT SEAMS	S-3	8.5	12.5	<1		
	Ø		[GROUNDWATER ENCOUNTERED AT 6.0 FT BGS; CAVED TO 5.0 FT BGS]						
		12 m							
				2:		l			

#### **NOTES:**

[1] GEOPROBES BACKFILLED WITH BENTONITE CHIPS.

[2] GEOPROBE DRILLING INSPECTED BY C. ANDREWS OF NTH CONSULTANTS, LTD.

**DRILLED BY:** 

T. PARSONS (ALL TERRAIN SERVICES)

DATE:

08/29/95-08/30/95

FIGURE NO:

#### LOG OF GEOPROBES

PROBE	GROUND	DEPTH		SAM	PLE INFORMATION				
NO.	SURFACE ELEV.	(FT)	DESCRIPTION	SAMPLE	DEP	ТН (ғт)	HNu		
				NO.	FROM	То	Reading (PPM)		
GP-4									
GP-4	N/A	0.0-5.0	FILL: BROWN SILTY FINE TO MEDIUM SAND	S-1	0.0	4.0	<1		
		5.0-6.0	BLACK SILTY FINE TO MEDIUM SAND (ODOR)	l			10 10		
	V.	6.0-11.5	Brown SILTY SAND & GRAVEL	S-2	4.0	8.0	150		
		11.5-12.0	GRAY SILTY CLAY	S-3	8.0	12.0	<1		
			[GROUNDWATER ENCOUNTERED AT 3.0 FT BGS]						
GP-5	N/A	0.0-0.2	PAVEMENT: ASPHALT			ĺ			
		0.2-3.0	FILL: BROWN SILTY SAND & GRAVEL						
		3.0-4.0	FILL: GRAY <b>SILTY CLAY</b> WITH SOME SAND	e l					
		4.0-6.0	BLACK ORGANIC CLAYEY SILT	S-1	0.5	4.5	<1		
		6.0-7.0	GRAY MARL						
1	.81	7.0-12.0	Brown SILTY SAND & GRAVEL	S-2	4.5	8.5	<1		
	Ai .	12.0-12.5	GRAY <b>SILT</b>	S-3	8.5	12.5	<1		
	7.		[GROUNDWATER ENCOUNTERED AT 7.0 FT BGS; CAVED TO 5.5 FT BGS]	_					
GP-6		0000							
Gr-6	N/A	0.0-0.2	PAVEMENT: ASPHALT						
- 1		0.2-2.0	FILL: BROWN SILTY SAND & GRAVEL						
i		Ti Ii	FILL: BROWN SILTY CLAY WITH TRACE OF GRAVEL	4					
			FILL: BLACK ORGANIC CLAYEY SILT WITH OCCASIONAL SAND SEAMS	S-1	0.5	4.5	7		
1	1	5.5-7.0	GRAY MARL	S-2	4.5	8.5	700		
ľ		7.0-12.5	Brown SILTY SAND & GRAVEL	S-3	8.5	12.5	<1		
1	[	e , [	[GROUNDWATER ENCOUNTERED AT 7.0 FT BGS; CAVED TO 4.0 FT BGS]						
			1						
		ŀ				1			
1		ł	,		,				
					- 1				

#### **NOTES:**

[1] GEOPROBES BACKFILLED WITH BENTONITE CHIPS.

[2] GEOPROBE DRILLING INSPECTED BY C. ANDREWS OF NTH CONSULTANTS, LTD.

DRILLED BY:

T. PARSONS (ALL TERRAIN SERVICES)

DATE:

08/29/95-08/30/95

FIGURE NO:

PROJECT NO: 13-5000-R2 NTH CONSULTANTS, LTD. SHEET 3 OF 3

#### LOG OF GEOPROBES

PROBE	GROUND	A rate		SAM	PLE IN	FORM/	ATION
NO.	SURFACE ELEV.	DEPTH (FT)	DESCRIPTION	SAMPLE	DEP	ПН (FT)	HNu
	LLLV.			NO.	FROM	То	Reading (PPM)
GP-7	N/A	0.0-3.5	FILL: BROWN SILTY SAND & GRAVEL	S-1	0.0	4.0	20
		3.5-7.0	GRAY SILTY SAND WITH MARL SEAMS	S-2	4.0	8.0	300
		7.0-12.0	BROWN SILTY SAND & GRAVEL	S=3	8.0	12.0	<1
			[GROUNDWATER ENCOUNTERED AT 7.0 FT BGS]				
GP-8	N/A	0.0-0.5	PAVEMENT: CONCRETE				
		0.5-4.5	FILL: BROWN SILTY SAND & GRAVEL WITH OCCASIONAL CLAY SEAMS	S-1	0.5	4.5	80
		4.5-7.0	BLACK ORGANIC CLAYEY SILT (PEAT)				
		7.0-8.0	GRAY <b>MARL</b>				
	ĺ	8.0-9.5	DARK BROWN SILTY SAND & GRAVEL	S-2	4.5	8.5	200
		9.5-12.0	GRAY SILTY CLAY WITH SAND SEAMS				
		12.0-12.5	BROWN SILTY SAND & GRAVEL	S-3	8.5	12.5	<1
			[GROUNDWATER ENCOUNTERED AT 8.0 FT BGS]				
GP-9	N/A	0.0-0.3	PAVEMENT: <b>ASPHALT</b>				
	-	0.3-4.0	FILL: BROWN SILTY SAND & GRAVEL WITH TRACE OF BRICK	S-1	0.5	4.5	100
		4.0-8.0	FILL: BLACK CLAYEY SILT	S-2	4.5	8.5	120
		8.0-8.5	BROWN SILTY CLAY WITH SILT SEAMS	-	. 0		
		8.5-12.5	Brown SILTY SAND	S-3	8.5	12.5	<1
			[groundwater encountered at 6.5 ft bgs; caved to 8.0 ft bgs]				
						$\dashv$	
GP-10	N/A	0.0-0.5	PAVEMENT: CONCRETE		ı		
	2	0.5-3.0	FILL: BROWN SILTY SAND & GRAVEL WITH OCCASIONAL CLAY SEAMS		1	ı	
		3.0-5.5	BLACK ORGANIC CLAYEY SILT WITH OCCASIONAL SAND SEAMS	S-1	0.5	4.5	<1
	ē .	5.0-6.5	Gray MARL				200
	10	6.5-8.0	BROWN SILTY FINE TO MEDIUM SAND	S-2	4.5	8.5	<1
		8.0-12.0	GRAY SILTY CLAY WITH OCCASIONAL SILT SEAMS	S-3	8.5	12.5	<1
			[GROUNDWATER ENCOUNTERED AT 6.5 FT BGS; CAVED TO 7.0 FT BGS]				

#### **NOTES:**

[1] [2] GEOPROBES BACKFILLED WITH BENTONITE CHIPS.

GEOPROBE DRILLING INSPECTED BY C. ANDREWS OF NTH CONSULTANTS, LTD.

### **Attachment 13**

**Well Construction Diagrams** 

#### NTH Consultants, Ltd. MONITORING WELL NO. MW-101 Project Name: ANN ARBOR MAIN STREET GARAGE NTH Proj. No: 13-5000 R2 Project Location: ANN ARBOR, MICHIGAN Checked By: LOG OF MONITORING WELL **GROUNDWATER DATA** Generalized Installation Ground-Date Subsurface Profile water Comments Schematic Elev.(ft) ELEV. PRO-**GROUND SURFACE** TOP OF WELL CASING (FT) | FILE ELEVATION: 778.9 ELEVATION: 778.58 PAVEMENT: CONCRETE NON-SHRINKING CEMENT GROUT FILL: BENTONITE SILTY SAND & GRAVEL CHIPS 3.0 3.0 FILL: SILTY CLAY 775 4.0 FILL: ORGANIC CLAYEY SILT SAND SILTY SAND 770 **END OF BORING** TIP ELEVATION: 768.8 NOTES: [1] FOR DETAILS OF SUBSURFACE STRATA, SEE LOG OF GEOPROBES, GP-1. [2] TOP OF CASING & GROUND SURFACE ELEVATIONS BASED ON USGS DATUM. 765 760 Started: 08/31/95 Casing Diameter: 2.0" Completed: 08/31/95 Casing Length: 4.8' Inspector: C. ANDREWS Casing Type: **PVC** Driller: K. HOPE Screen Diameter: 2.0" Contractor: GEO-TEK, INC. Screen Length: 5.0' Equipment: CME-45 DRILL RIG Screen Mesh: 0.010" Well Type: MONITORING Screen Type: **PVC** Figure No. 1

**JPS** 

1 OF 1

1995 12: 09: 46 07 è Tue \13\50000350 ن

#### INITIAL ASSESSMENT RL. JR **ATTACHMENT NO. 18** LABORATORY RESULTS - GROUNDWATER

FACILITY NAME ANN ARBOR CITY GARAGE

FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

VOLATILES			T		22. 75				-	1862-1872
Sample ID	1051 F	LOITAVA	GP.	7	<del> </del>					
Sample Depth (feet BGS)	ره.				GP-		GP	-7		
Date Collected	6-16		6.5		7.5		7.:	5	o de la composición del composición de la composición de la composición de la composición del composición de la composic	1
Date Extracted	رم-21		8-29		8-30		8-30	- 95		
Date Analyzed	رن - 21 4 - 21					-95	9-04	-95	177	
Collection Method®	07		9-06		9-06			-95	0.787	3
Analytical Method No.		8020		<u>,</u>	Gf.		6			11
CONSTITUENT (ug/l)		Cone MDL		MDL	508		80			
Benzene	ND	1 1	Conc	MUL	Conc	MDL	Conc	MDL	Conc	MDL
Toluene	ND	<del></del>	ND		ND	\ \	ND	1	12-6	
Ethylbenzene	32	<del>                                     </del>	ND	<del> </del>	ND	1	ND	1		27.1
Total Xylenes	51	3	ND	1	ND	1	ND			
MTBE		<del>                                     </del>	ND	3	ND	3	ND	3	7	
POLYNUCLEAR AROMATICS (PNAs)			<u> </u>	<u></u>		]			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Sample ID	WSI - EX	A.IATIO. 1	GP-	2						
Sample Depth (feet BGS)	6.5				GP-4		GP-		1 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Date Collected	6-16-		<i>و. و.</i>			7.9				
Date Extracted	6-20.		8-29-95 8-30-95			8.30	THE RESIDENCE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED	CHE C.	P. 15.75	
Date Analyzed	6-22-				9-01		9-01	-95		ACT I
Collection Method*	OT		<u>५-०।-</u> ५२	.45	9-01			-95		海中 马
Analytical Method No.	831		8319		GF		64		-y-10/15	
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc		8310		an allegation	
Acenaphthene	ND	5	ND	5		MDL	Conc	MDL	Conc	MDL
Anthracene	ND	5	ND	5	ND	_5_	ND	5	1 - 10	
Benzo(a)anthracene	ND	5			ND	_5_	ND	5		
Benzo(a)pyrene	ND	5	ND	5	ND	5	ND	5		
Benzo(b)fluoranthene		5	ND	5	ND	5	ND	5		
Benzo(k)fluoranthene	NO	5	ND	5	ND	5	ND	<b>15</b>	*	
Chrysene	ND	5	ND	5	ND	5	ND	Ð		
Dibenzo(a,h)anthracene	ND		IND	5	ND	5	AN	S	Tille:	100
AGS = Relow Ground Surface	ND	5	ND	5	ND	5	ND	5		

**BGS = Below Ground Surface** 

MDL = Method Detection Limit

<sup>\*</sup> Collection Method Codes (List all that apply): Bailer (BL), Geoprobe (GP), Purge Pump (PP), Cone Penetrometer (CP), Hydropunch (HP)

## INITIAL ASSESSMENT REPORT ... TACHMENT NO. 18 (CON'T) LABORATORY RESULTS - GROUNDWATER

FACILITY NAME ANN APPOR CITY GARNE

FACILITY ID NUMBER \_\_\_

0-008427

(Duplicate table as needed)

POLYNUCLEAR AROMATICS (PNAs)									19-1 978	
Sample ID	WSI-EX	LOTTAVAS	GP-	7	GP- 6					
Sample Depth (feet BGS)	6.5		6.4		7.5		<u> </u>			
Date Collected	6-16-		8-29		8-30		7.5			
Date Extracted	6-20						8-30		T (1986-198	
Date Analyzed	<b>ن-22</b>			9-01		9-01				
Collection Method <sup>6</sup>	ОТ		7-0(	<del>- 75</del>	9-01	-75	9-01	-95		
Analytical Method No.							SAF-			
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Fluoranthene	ND	5	ND	5	ND	5	ND	5	Conc	MUL
Fluorene	67	5	ND	5	ND	5		5		
Indeno(1,2,3- ed)pyrene	ND	5	ND	5	ND	5	ND	5		
Naphthalene	190	5	ND	5		3	ND			
Pyrene	64	5	ND	5	ИО	5	ND	5	Taribania III	
METALS - FILTERED			140		140		ND	5		
Sample ID		V			<del> </del>					
Sample Depth (feet BGS)					ļ		ļ			
Date Collected			<del></del>							
Date Extracted				· · · ·		-				
Date Analyzed						<del></del>				-
Collection Methodo					<del></del>					
Analytical Method No.					<del> </del>	<del></del>				
CONSTITUENT (ug/i)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
□ Cadmium								MIDE	Conc	MIDL
Chromium III			<del></del>		<del> </del>	<del> </del>		<del> </del>		
Chromium VI	1							-		
☐ Total Lead					<del> </del>					

BGS = Below Ground Surface MDL = Method Detection Limit

<sup>\*</sup> Collection Method Codes (List all that apply): Bailer (BL), Geoprobe (GP), Purge Pump (PP), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here: 4628 FROM EXAMATION

# INITIAL ASSESSMENT REPORT TACHMENT NO. 18 (CON'T) LABORATORY RESULTS - GROUNDWATER

FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

HALOGENATED HYDROCARBONS										
☐ Tetrachloroethylene									44.4	
1,1,2-Trichloroethane							ř			- 1892
OTHER (Specify)										0 18
Sample ID	116.1 5								To be 11 to be	1 35. 1890 744
Sample Depth (feet BGS)	WS-1-Ex		GP-		GP-9	5	6P-	7		, 1
Date Collected	6.5		6.5		7.5		7.5			
Date Extracted	6-16-		8-29		8.30	-95	8-30			
Date Analyzed	6-20-		9-01-		9-01-	45	9-01			
Collection Method®	6-22		9-01-	95	9-01-	95	9-01		24 1 1 1	
Analytical Method No.	8310		GP		GP		6P			
CONSTITUENT (ug/l)	Conc		8310		831	5	8310			
ACENAPHTHYLEHE		MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
BENZO(GHI) PERTLENE	ND	5	ND	5	ND	5	ND	5	Conc	MDL
PHENANTHRENE	ND	5	ND	5	ND	5	ND	5		
THE NAME HAVE	250	_5	ND	5	ND	5	ND	5		
							140		T IEST M	21
						- 1			120 -2 (07)	
1				7/194						
					1 7 -					
				De 1						
			E - ' _							
										- 14.15
	Editor				150-0-1					+ 9.
				# E						
The second second second second second		T L			0.000					= 4
			F 12 5 3		2 24	14				
		7.5								196
	12 11	7 17							100	544

BGS = Below Ground Surface
MDL = Method Detection Limit

<sup>\*</sup> Collection Method Codes (List all that apply): Bailer (BL), Geoprobe (GP), Purge Pump (PP), Cone Penetrometer (CP), Hydropunch (HP)

If Other (OI), specify here: \* GRAB FROM EXCHATION

#### INITIAL ASSESSMENT R.\_ JR \TTACHMENT NO. 18 LABORATORY RESULTS - GROUNDWATER

FACILITY NAME ANN ARBOR CITY GARAGE FACILITY ID NUMBER 0-008427

(Duplicate table as needed)

VOLATILES			T		<u> </u>				1 1		
Sample ID	MW-10	)	24.1.14	7					D.E.s.		
Sample Depth (feet BGS)	3.5		MW-10	<u> </u>	MM-		MW-		MW-	105	
Date Collected	9-05-		9-05	66	3.5		4.		7.9	<b>)</b>	
Date Extracted	9-11-		9-11-		9-05			5-95	9-05	.95	
Date Analyzed	9-11-		9-11-		9-11-		9-11-		9-11	-95	
Collection Method*	BL		BL		9-11-	95	9-11-		9-11-	.95	
Analytical Method No.	8020		8020		BL		. BL		BL.	1127	
CONSTITUENT (ug/l)	Conc	Conc MDL		MDL	Conc	MDL	802		508		
Benzene	ND		Conc	WIDE		MDL	Conc	MDL	Conc	MDL	
Toluene	ND	-	ND		IND	<del></del>	ND	1	MD		
Ethylbenzene	ND				ND		ND	1	MD	35 1 7	
Total Xylenes	ND	3	ND		ND	-	ND	1	ND	Pay 4	
J MTBB	1,45		ND	3	NO	3	ND	3	ND	3	
POLYNUCLEAR											
AROMATICS (PNAs)					1			32			
Sample ID	MW- 10			2	_ MW - 11	03	MM-10	l d sant			
Sample Depth (feet BGS)	3.5				3.5		4.3		-MM-10	75	
Date Collected	9-05-	95	9-05	-95	9-05-95		4-05		9-05-95		
Date Extracted	9-11-9	5	9-11-		9-11-95		9-11		9-05-95		
Date Analyzed	9-11-9	5	9-11-				9-11-		9-11-		
Collection Method*	BL		BL		BL		BL	- 7.5	BL.	72	
Analytical Method No.	8310	I 1	8310		8310		8310		8310		
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
Acenaphthene	ND	5	ND	5	ND	5	ND	5	ND	5	
Anthracene	ND	5	ND	5	ND	5	ND	5	ND	5	
Benzo(a)anthracene	ND	5	MD	5	ND	5	ND	5	ND	5	
Benzo(a)pyrene	ND	5	ND	5	ND	5	ND	5	ND	5	
Benzo(b)fluoranthene	MD	5	ND	5	ND	5	ND	5			
Benzo(k)fluoranthene	VID	5	ND	5	ND	5	ND	5	ND	5	
Chrysene	ND -	5	ND	5	ND	5	ND		UD	5	
Dibenzo(a,h)anthracene	ND	5	ND	5	ND	<u>5</u>		5	ND	5	
BGS - Below Ground Surface					1,45		NID	5	ND	5	

BGS = Below Ground Surface

MDL = Method Detection Limit

\* Collection Method Codes (List all that apply): Bailer (BL), Geoprobe (GP), Purge Pump (PP), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here:

## INITIAL ASSESSMENT REPORT INITIAL ASSESSMENT REPORT TACHMENT NO. 18 (CON'T) LABORATORY RESULTS - GROUNDWATER FACILITY NAME ANN APBOR CITY GARAGE FACILITY ID NUMBER O-008427

(Duplicate table as needed)

POLYNUCLEAR AROMATICS (PNAs)								*****		
Sample ID	MW-I	01	247	10.7	<del></del>				1 1	
Sample Depth (feet BGS)	3.5		MM-	102	MW-1		MW-10	>4	MW -1	25
Date Collected	9-05		5.1		3.5		4.3	>	7.9	
Date Extracted	9-11-			5-9 <u>5</u>		5-45	9-05-	-°) ">	9-05	-05
Date Analyzed	9-11-			-95	9-11		9-11-	95	9-11	
Collection Method*	BL	7.7	9-11-		9-11	-95	9-11-	-95	9-11	
Analytical Method No.	8310		BL		BL		Bu		BL	The second named in column 2 is not a se
CONSTITUENT (ug/l)	Conc MDL		831		831		831	0	831	The second second
Fluoranthene	NO	<del></del>	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Fluorene	ND	5	ND	5	ND	5	ND	5	ND	5
Indeno(1,2,3-cd)pyrene		5	ND	5	GN	5	ND	5	ND	5
Naphthalene	ND	5	ND	5	ND	5	ND	5	ND	5
Pyrene	NO	5	ND	5	ND	5	MD	5	ND	
METALS - FILTERED	ND	5	MD	5	ND	5	IND	5		5
Sample ID		•					140	<u> </u>	ND	5
Sample Depth (feet BGS)		·					-			
Date Collected									P 197	
Date Extracted									44 M	11231
Date Analyzed										de la line
Collection Method®	· · · · · ·									
Analytical Method No.										
CONSTITUENT (ug/l)  Cadmium	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conn	1461
							CONC	MIDL	Conc	MDL
Chromium III										reserve to a
Chromium VI										
Total Lead					<del> </del>					

BGS = Below Ground Surface		
MDL = Method Detection Limit		<u> </u>
* Collection Method Codes (List all that apply): Bailer (BL), (If Other (OI), specify here:	eoprobe (GP), Purge Pump (PP	), Cone Penetrometer (CP), Hydropunch (HP

# INITIAL ASSESSMENT REPORT - A ACHMENT NO. 18 (CON'T) LABORATORY RESULTS - GROUNDWATER

FACILITY NAME

ANN ARBOR—CITY GARAGE

FACILITY ID NUMBER

O-008427

(Duplicate table as needed)

PCBs					7					
Sample ID			1							
Sample Depth (feet BGS)					-					
Date Collected			<del> </del>							
Date Extracted			<del>- </del>							
Date Analyzed			<del></del>							-
Collection Method*			<del> </del>		<del></del>				September	
Analytical Method No.			<del> </del>							
CONSTITUENT (ug/l)	Conc	MDL	Conc	1 1/01						256-256
☐ Aroclor 1016			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Aroclor 1221		<del> </del>	<del> </del>						7.5	MDL
☐ Aroclor 1232		<del> </del>	<del> </del>	<u> </u>					2 4 250	
Arocior 1242	<b></b>	<del> </del>	<u> </u>						-	
Aroclor 1248	<del> </del>	<del> </del>	<del> </del>	ļ <u></u>						
Aroclor 1254	<del> </del>							<del> </del>		
Aroclor 1280	<del></del>							<del></del>		
HALOGENATED										
HYDROCARBONS						<del></del>				1
Sample ID	<del> </del>									
Sample Depth (feet BGS)									121	
Date Collected										
Date Extracted										
Date Analyzed										
Collection Method*	·									
Analytical Method No.	<del></del>	<del></del>				-				
CONSTITUENT (ug/l)	Conc	A CENT								
Carbon Tetrachloride	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MOL
1,1-Dichloroethane									Conc	MDL
1,2-Dichloroethane										
1,1-Dichloroethylene				·						01 g 0 1 1 1
cis-1,2-Dichloroethylene			•							
trans-1,2- Dichloroethylene								<del></del>		. 1
GS = Below Ground Surface										1

MDL = Method Detection Limit

\* Collection Method Codes (List all that apply): Bailer (BL), Geoprobe (GP), Purge Pump (PP), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT). specify here:

# 

(Duplicate table as needed)

HYDROCARBONS							T			
Tetrachioroethylene		T	<del> </del>		·				1.16	
1,1,2-Trichloroethane		-	· <del> </del>	<del> </del>			· · · · · ·		1.35 1 2	
OTHER (Specify)		<del></del>						<del> </del> -		1000
Sample ID	- NA							<u> </u>		
Sample Depth (feet BGS)	3.5		MM-		MW-	103	-wm	INK		ndl.
Date Collected	9-05		5.1		3.5		4.3		MW-	
Date Extracted				5-95	9-09	5-95	9-05	-95	7.9	
Date Analyzed	9-11			-95	9-11	1-95		-95	9-05	
Collection Method*	9-11-		9-11		9-11-		9-11-		9-11-	
nalytical Method No.	BL		Br		BL		BU		9-11-	
CONSTITUENT (ug/l)	Conc		83		831	0	831		BU	
ACENAPHTHYLENE	ND	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	
BENZO(GHI) PERYLENE	ND	5	ND	5	ND	5	ND	5		MDL
PHENANTHRENE	NO	5	ND	5	ND	5	NO	5	ND	5
	IND	5	ND	5	ИО	5	CIN	5	ND	5
		<u> </u>					1819		ND	5
	<del></del>				10.				Free Land	
									1901 - 19-	1 1 1 1 1 1
									0.45	100
	·									17, 19
	1							-	4 38 9 30	***
	1				-	-10				
	<del>  </del>						7 11		1 -34 1 - 4	
	-								1176	
•	1									
	<del> </del>									
	<del>  </del>									
	<del> </del>								. 10	
	<del> </del>			16			,*			

BGS = Below Ground Surface	
MDL = Method Detection I imit	
* Collection Method Codes (List all that apply): Bailer (BL), Geoprobe (GP), Purge Pump (PP), Cone Penetrometer (CP), Hy Other (OI), specify here:	
If Other (OT), specify here: (CD) the COTO, specify here:	udaanunah (1970)
(Cr), n	Anobaucu (HL)

# INITIAL ASSESSMENT REPG. - ATTACHMENT NO. 19 TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR GROUNDWATER FACILITY NAME ANN ARROL CITY GARAGE FACILITY ID NO. O-008427

Residential	0	Commerciai	 Industrial		
Exposure Codes			 industrial		
A. Potable	В.	Groundwater/Surface Water Interface			

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/l)	Applicable Criterion with Exposure Code (ug/l)		Criterion Exceeded?  (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/II
Benzene			4 (10			740	3311
Toluene	I have a		ALL 41.0	5 A	No	<b>在1</b> 5	
Ethylbenzene	EXCAVATION HEO	6-16-95	Au 41.0	790 A	No	- Mar 4	
Total Xylenes	EXCAVATION HOD	6-16-95	35	74- A	No	4.35	V 10
MTBB			51	A 085	No	-( g = i = g = g	1 1 1 1 1 1 1 1 1
OLYNUCLEAR ROMATICS (PNAs)					100		1
Acenaphthene							
Anthracene			ALL 45.0	1300 A	No		
Benzo(a)anthracene	1	<del></del>	ALL 45.0	7300 A	No	441.7	
Benzo(a)pyrene			Au 45.0	1.20 A	No		
Benzo(b)fluoranthene		21	ALL 45.0	0.20 A	No		Vital Section
Benzo(k)fluoranthene			ALL 4 5.0	1.70 A	No	14	
Chrysene			ALL 45.0	12 4	No	-0.00	
Dibenzo- (a,h)anthracene			ALL 45.0		No		
Fluoranthene			ALL 45.0	0.12 A			-
Fluorene	Example		Au 4 5.0		70	1421 - Au	
Indeno(1,2,3-cd)pyrene	EXCMATION HZO	6-16-95	67		No		
Naphthalene	English 1 11 5	7 7 7 11	Au 65.0		No		
Pyrene	Excavation H20	6-16-95	190		No		
	EXCAVATION HZO	6-16-95	66		70	oli,	***************************************

## INITIAL ASSESSMENT REPORT TACHMENT NO. 19 (CON'T) TIER I RBSL / TIER II OR TIER III SSTL COMPARISON TABLE FOR GROUNDWATER FACILITY NAME AND ARBOL CITY GARAGE FACILITY ID NO. 0-008427 INITIAL ASSESSMENT REPORT

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/l)	Applicable Criterion with Exposure Code (ug/l)		Criterion Exceeded?  (Yes or No)	
Maria			22	Tier I	Tier II/III	Tier I	Tier II/III
METALS - FILTERED			<del>-</del>	RBSL	SSTL	RBSL	SSTL
Cadmium Cadmium			<del>-</del>		- 1999	c .	1 1
Chromium III			-		and the second		E 41 =
☐ Chromium VI	_				1.47	1.79	7
☐ Total Lead					. 2	Telfan er Ta	7
PCBs		<u> </u>				· value and	
Aroclor 1016	3				19	3 -6	
Aroclor 1221							
Aroclor 1232							
Arocior 1242						Distay on	
Aroclor 1248	<del></del>			The state of the s		:	
☐ Aroclor 1254				Ledition	-		
Aroclor 1280					<del>- </del>		
HALOGENATED							
HYDROCARBONS							7.0
Carbon Tetrachloride					12.00	750	
1,1-Dichloroethane							24-14 M
1,2-Dichloroethane	***				1 T	200	
-1 10 TO					- (05)K	290 a -	
cis-1,2-							E. 070 PH
Dichloroethylene			3 F		1	had are	Date:
trans-1,2-	1 - 1				, 1910.	30.3	
Dichloroethylene					-0		E' -
Tetrachloroethylene						VENT PER	'
1,1,2-Trichloroethane					. Y		
THER •							7.7
ACENAPHTHYLENE					- ds	region . The re	
BENZO(GHI) PERYLENE			ALL 6.0	26 A	20	na të	
PHENANTHRENE	EXCAVATION HOD	6-16-95	AL 45.0	26 A	No		
		0-10-73	250	26 A	الخ		<del></del>

<sup>\* &</sup>quot;'et additional contaminants as appropriate

# INITIAL ASSESSMENT REPG. - ATTACHMENT NO. 19 TIER I RBSL/TIER II OR TIER HI SSTL COMPARISON TABLE FOR GROUNDWATER FACILITY NAME ANN ARBOR CITY GARAGE FACILITY ID NO. O-008427

Residential	0	Commercial	0	Industrial		
Exposure Codes						
A. Potable		Groundwater/Surface Water Interface			4 C 77 - 18	

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/l)	Applicable Criterion with Exposure Code (ug/l)		Criterion Exceeded?	
				Tier I RBSL	Tier II/III	Tler I	Tier II/II
Benzene				1000	SSTL	RBSL	SSTL
Toluene			ALL 41.0	53 B		E COME	11
Ethylbenzene	EXCAVATION H20		ALL LIO	110 B		No	
Total Xylenes	EXCAVATION HEO	6-16-95	32	31 8	- 10	No	1 1-215
MTBE	ASH MOITANAS	6-16-95	51	5°) B		YES	
OLYNUCLEAR					A- 14. 4 (a)	No	
ROMATICS (PNAs)				-			4 3/5 3
Acenaphthene							
Anthracene			Au 25.0	3.80 B			
Benzo(a)anthracene			Au 65.0	110 000 B		No	5 WH. Th.
Benzo(a)pyrene			ALL 45.0	0.31 8		No	440
Benzo(b)fluoranthene			Au 65.0	0.31 8		No	100
Benzo(k)fluoranthene			ALL 4 5.0	0.31 6		No	
Chrysene			An 45.0	0.31 8		No	
Dibenzo-			Au 45.0			No	
(a,h)anthracene				0.31 B		НО	
Fluoranthene			Au 65.0	0.31 B			
Fluorene	EXCHATION HED		An 4 5.0	370 B		No	
Indeno(1,2,3-cd)pyrene	COMPTION HEO	6-16-95	67	14 000 B		No	
Naphthalene	EXCAVATION HZO		Au 65.0	0.31		No	
Pyrene		6-16-95	190	29 B		No	
	EXCAVATION H20	6-16-95	66	11000 B		40 YES	

# 

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/l)	with Exp	Applicable Criterion with Exposure Code (ug/l)		Criterion Exceeded?  (Yes or No)	
Acres de la constante de la co				Tier I	Tier II/III	Tier I	Tier II/III	
METALS - FILTERED				RBSL	SSTL	RBSL	SSTL	
☐ Cadmium	and the second second					. Peir in	3316	
Chromium III						COTT		
Chromium VI					re re		9 7	
☐ Total Lead						273:6=-	E 02 E	
PCBs				A 12 3 3		3		
Aroclor 1016				T-876 III	\$1	1 1 1	W <sub>1</sub>	
Aroclor 1221						e and		
Aroclor 1232					120		1 12 2	
Aroclor 1242								
Aroclor 1248					1	500	*	
Aroclor 1254					1.15		1 1/40	
Aroclor 1280			1				- 233	
HALOGENATED					100		**	
HYDROCARBONS						- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
Carbon Tetrachloride					4 1.47.7			
1,1-Dichloroethane					200	70, At 120		
1,2-Dichloroethane				i bala b		The second second	A 293	
1,1-Dichloroethylene					1 8 4	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
cis-1,2-				1 14 15	:			
Dichloroethylene	the second second	S IN	growing Manager			14,975 N 22	33474	
trans-1,2-								
Dichloroethylene				W.		31.		
Tetrachloroethylene								
1,1,2-Trichloroethane						To the state of		
THER *				——— <u> </u>			<b></b>	
ACENAPHTHYLENE	<del> </del>		U i i i i i i i i i i i i i i i i i i i					
BENZO(GHI) PERYLENE		37	Au 45.0	N/A B			<b> </b>	
PHENYNTHRENE	500 (050 ) 1) 5			N/A B		4/4		
- HEMMINETIE	EXCAVATION H <sub>2</sub> O	6-16-95		NIA B		NA		

<sup>• &#</sup>x27;'<t additional contaminants as appropriate

C: \13\50000020 Tue Dec 12 09: 44: 11 1995 <3>

Contaminant

Benzene

Toluene

Concentration (ppb)

< 1

< 1

Location

 $\Delta II$ 

ΛII

Depth

Various

Various