SITE SCREENING - PRELIMINARY SITE SCORING

#1278

SI
7/6/87

FACILITY NAME EPIC Site #8
TND 980839419

LOCATION Winchester Rd; Memphis, Shelby Co. TN

PERSON(S) IN CHARGE OF FACILITY

NAME OF REVIEWER Thomas A. Moss

DATE 7/29/87

COMMENTS

Site generated in EPIC aerial photograph study. No identified hazardous waste. Eroded ravine on site probably caused listing. No further action recommended under CERCLA

PRELIMINARY SITE SCORING

SCORES: S_m = NR (S_{gw} = S_{sw} = S_a =)

S_{dc} = NR

FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES

FIT PROJECT

TASK REPORT TO THE ENVIRONMENTAL PROTECTION AGENCY CONTRACT NO. 68-01-6056

INVESTIGATION REPORT
ON
MEMPHIS EPIC SITE #8 (NORTH)

TDD# F4-8112-06

5 March 1982

Prepared by: Gene Oliver
Neal Strickland
Submitted to: R. D. Stonebraker

ecology and environment, inc.

International Specialists in the Environmental Sciences

recycled paper

INVESTIGATION REPORT
EPIC SITE # 8 (NORTH)
MEMPHIS, TN

INTRODUCTION

On Tuesday, January 12, 1982 an investigation was conducted at the subject site by Gene Oliver and Neal Strickland of Ecology & Environment's Field Investigation Team (FIT). This effort was part of a study prescribed under TDD # F4-8112-06 in order to finalize dispositions on four sites in the Memphis area which had been initially inspected and characterized by the EPA, Region IV, Enforcement Division (1). This site was subsequently inspected on April 14, 1981 by Charles Till (ESD, Athens) and Roger Franklin (FIT) for the purpose of sampling the reported leachate stream. No leachate was observed during this subsequent inspection, thus no samples were collected.

SITE DESCRIPTION

EPIC site #8 (North) is a vegetated field approximately five acres in size located immediately north of Winchester Road, about .4 miles east of the intersection of Lamar Avenue and Winchester Road. The site is flat and bisected by a line of trees running east to west. The field directly adjoins a large diameter concrete culvert containing Tenmile Creek, which flows northwest toward Nonconnah Creek.

The major concern at the site is a large, eroded ravine running north to south the length of the site which drains into the culvert. The ravine is generally 10-15 feet wide and is approximately 10 feet in depth. The walls of the ravine are roughly vertical and composed of a barren sand-clay mixture.

Figure 1 is a sketch of this site as it was reported by the investigators during the EPA study of June 1980. The leachate shown on the Figure was not observed during this study although an effort to find and sample this leachate was made. During this inspection the ground was frozen and covered with snow from a light snowfall.

DISCUSSION OF RESULTS

A single soil sample was taken from a loose deposit on the floor of the ravine at a point just before the drainage enters the culvert, as shown on Figure 1. The sample was analyzed by the Region IV EPA, Environmental Services Division Laboratory in Athens, Georgia for extractable organics, purgeable organics, pesticides/PCB's/chlorinated organics, metals, and cyanide. The data from these analyses are included in Appendix A and the results of the analyses for metals are summarized in Table 1.

No traces of extractable organics, pesticides/PCB's/chlorinated organics, or cyanide were detected in the sample. A single purgeable organic, tetrachloroethylene, was detected at less than the quantifiable limit of 7 ug/kg.

Numerous metals which are listed as priority pollutants were detected in the sample, including arsenic (43 mg/kg), chromium (77 mg/kg), copper (26 mg/kg), nickel (36 mg/kg), lead (71 mg/kg), zinc (63 mg/kg), and mercury (0.07 mg/kg). While these results might indicate the presence of some surface contamination, they do not suggest the presence of hazardous waste materials when compared with other analyses of soil samples collected in the Memphis area.

METHODOLOGY

All sample collection, sample preservation and sample management procedures used during this study were in accordance with the Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual, August 29, 1980 (Draft) (2). All analyses of the samples were conducted by the EPA Region IV, Laboratory Services Branch in accordance with the Laboratory Services Branch Operations and Quality Control Manual, March, 1981 (3).

REFERENCES

(1) "Report - Hazardous Waste Site Investigation - Memphis, Tennessee - First Phase", U.S. Environmental Protection Agency, Region IV, Enforcement Division, June 1980.

(2) Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual. (Draft); U.S. Environmental Protection Agency, Region IV, Environmental Services Division, August 29, 1980.

(3) Laboratory Services Branch Operations and Quality Control Manual; U.S. Environmental Protection Agency, Region IV, Environmental Services Division, March, 1981.

FIGURE 1
SITE SKETCH
MEMPHIS EPIC SITE #8 (NORTH)

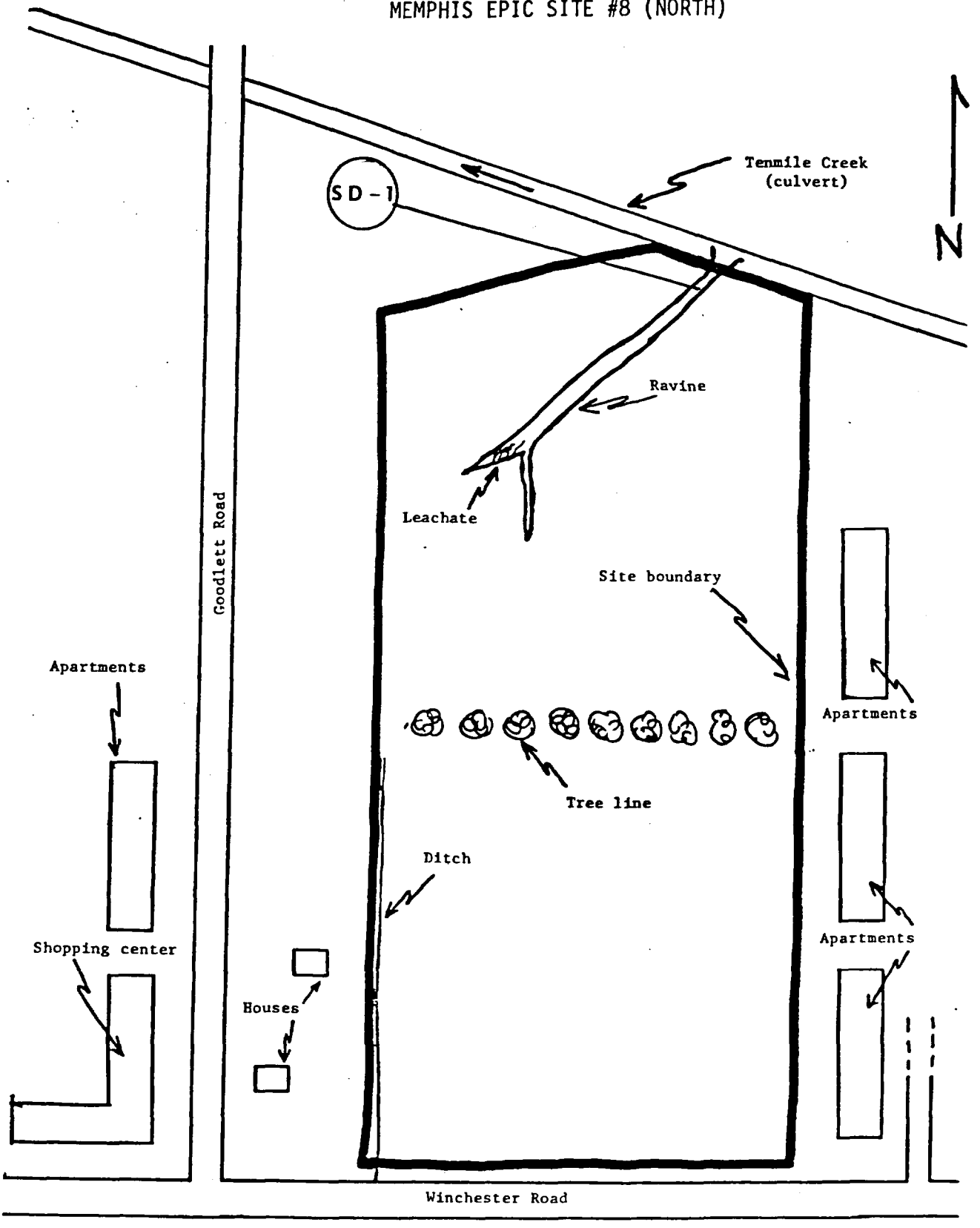

TABLE 1
METALS ANALYSIS
MEMPHIS EPIC SITE #8 (NORTH)

ELEMENT	MG/KG[1]
Arsenic*	43
Barium	282
Cobalt	55
Chromium*	77
Copper*	26
Nickel*	36
Lead*	71
Strontium	17
Titanium	376
Vanadium	156
Yttrium	30
Zinc*	63
Mercury*	0.07
Aluminum	17,600
Manganese	4,900
Calcium	2,300
Magnesium	1,900
Iron	84,900

*Priority Pollutants
[1] All analytical results reported on a dry weight basis.

DATE:01/2 2

EXTRACTABLE ORG C ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

EPA-S /RGN.IV
ATHENS,GA

PROJECT #: 82-53 PROG ELEMENT #: HWSR

SAMPLE RECEIVED(DATE & TIME): 01/18/82 1227

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE TYPE: SEDIM

SAMPLE START(DATE & TIME):01/12/82 945

CITY: MEMPHIS STATE: TN

SAMPLE STOP(DATE & TIME): 00/00/00 0

NOTHING

STATION: M8-SD-1

SAD NO.: 82C0482

CHEMIST: E. W. Loy, Jr. COMPLETED 2/4/82

COMPOUND	STORET#		UNITS		COMPOUND	STORET#		UNITS
BIS(CHLOROMETHYL) ETHER	34271	NA	UG/KG	*	BIS(2-ETHYLHEXYL) PHTHALATE	39102	5000U	UG/KG
N-NITROSODIMETHYLAMINE	34441	NA	UG/KG	*	CHRYSENE	34323	5000U	UG/KG
1,2-DICHLOROBENZENE	34539	5000U	UG/KG	*	BENZO(A)ANTHRACENE	34529	5000U	UG/KG
1,3-DICHLOROBENZENE	34569	5000U	UG/KG	*	3,3'-DICHLOROBENZIDINE	34634	5000U	UG/KG
1,4-DICHLOROBENZENE	34574	5000U	UG/KG	*	DI-N-OCTYL PHTHALATE	34599	5000U	UG/KG
BIS(2-CHLOROETHYL) ETHER	34276	5000U	UG/KG	*	BENZO(B)FLUORANTHENE 10/	34233	5000U	UG/KG
HEXACHLOROETHANE	34399	5000U	UG/KG	*	BENZO(K)FLUORANTHENE 10/	34245	5000U	UG/KG
BIS(2-CHLOROISOPROPYL) ETHER	34286	5000U	UG/KG	*	BENZO-A-PYRENE	34250	5000U	UG/KG
N-NITROSODI-N-PROPYLAMINE	34431	5000U	UG/KG	*	INDENO (1,2,3-CD) PYRENE	34406	5000U	UG/KG
NITROBENZENE	34450	5000U	UG/KG	*	1,2,5,6-DIBENZANTHRACENE	34559	5000U	UG/KG
HEXACHLOROBUTADIENE	39705	5000U	UG/KG	*	BENZO(GHI)PERYLENE	34524	5000U	UG/KG
1,2,4-TRICHLOROBENZENE	34554	5000U	UG/KG	*	2-CHLOROPHENOL	34589	5000U	UG/KG
NAPHTHALENE	34445	5000U	UG/KG	*	2-NITROPHENOL	34594	5000U	UG/KG
BIS(2-CHLOROETHOXY) METHANE	34281	5000U	UG/KG	*	PHENOL (GC/MS)	34695	5000U	UG/KG
ISOPHORONE	34411	5000U	UG/KG	*	2,4-DIMETHYLPHENOL	34609	5000U	UG/KG
HEXACHLOROCYCLOPENTADIENE	34389	4U	UG/KG	*	2,4-DICHLOROPHENOL	34604	5000U	UG/KG
2-CHLORONAPHTHALENE	34584	5000U	UG/KG	*	2,4,6-TRICHLOROPHENOL	34624	5000U	UG/KG
ACENAPHTHYLENE	34203	5000U	UG/KG	*	PARACHLOROMETA CRESOL	34455	5000U	UG/KG
ACENAPHTHENE	34208	5000U	UG/KG	*	2,4-DINITROPHENOL	34619	5000U	UG/KG
DIMETHYL PHTHALATE	34344	5000U	UG/KG	*	4,6-DINITRO-O-CRESOL	34660	5000U	UG/KG
2,4-DINITROTOLUENE	34614	5000U	UG/KG	*	PENTACHLOROPHENOL	39061	5000U	UG/KG
2,6-DINITROTOLUENE	34629	5000U	UG/KG	*	4-NITROPHENOL	34649	5000U	UG/KG
4-CHLOROPHENYL PHENYL ETHER	34644	5000U	UG/KG	*	% MOISTURE	70320	17	%
FLUORENE	34384	5000U	UG/KG	*				UG/KG
DIETHYL PHTHALATE	34339	5000U	UG/KG	*				UG/KG
1,2-DIPHENYLHYDRAZINE 8/	34349	NA	UG/KG	*				UG/KG
N-NITROSODIPHENYLAMINE 9/	34436	5000U	UG/KG	*				UG/KG
HEXACHLOROBENZENE	39701	8U	UG/KG	*				UG/KG
4-BROMOPHENYL PHENYL ETHER	34639	5000U	UG/KG	*				UG/KG
PHENANTHRENE	34464	5000U	UG/KG	*				UG/KG
ANTHRACENE	34223	5000U	UG/KG	*				UG/KG
DI-N-BUTYL PHTHALATE	39112	5000U	UG/KG	*				UG/KG
FLUORANTHENE	34379	5000U	UG/KG	*				UG/KG
PYRENE	34472	5000U	UG/KG	*				UG/KG
N-BUTYL BENZYL PHTHALATE	34295	5000U	UG/KG	*				UG/KG
BENZIDINE	39121	NA	UG/KG	*				UG/KG

NO OTHER ORGANIC COMPOUND DETECTED WITH AN ESTIMATED MINIMUM DETECTION LIMIT OF 5000 ug/kg

NOTES:
1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
3) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN.
4) U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
5) NA-COMPOUND NOT ANALYZED FOR.
6) N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
7) A-AVERAGE VALUE
8) AND/OR AZOBENZENE
9) AND/OR DIPHENYLAMINE
10) BENZO(B)FLUORANTHENE AND/OR BENZO(K)FLUORANTHENE

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DATE: 01/7 82

PURGEABLE ORGA S ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

EPA-S RGN.IV
ATHENS,GA

PROJECT #: 82-53 PROG ELEMENT #: HWSR

SAMPLE RECEIVED(DATE & TIME): 01/18/82 1227

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE TYPE: SEDIM

SAMPLE START(DATE & TIME):01/12/82 945

CITY: MEMPHIS STATE: TN

SAMPLE STOP(DATE & TIME): 00/00/00 0

STATION: MA-SD-1

SAD NO.: 82C0482

CHEMIST: E.W. Loy, Jr. COMPLETED 1-28-82

COMPOUND	STORET#		UNITS		COMPOUND	STORET#	UNITS
METHYL CHLORIDE	34421	7U	UG/KG	*			UG/KG
METHYL BROMIDE	34416	7U	UG/KG	*			UG/KG
DICHLORODIFLUOROMETHANE	34334	7U	UG/KG	*			UG/KG
VINYL CHLORIDE	34495	7U	UG/KG	*			UG/KG
CHLOROETHANE	34314	7U	UG/KG	*			UG/KG
METHYLENE CHLORIDE	34426	7U	UG/KG	*			UG/KG
TRICHLOROFLUOROMETHANE	34491	7U	UG/KG	*			UG/KG
1,1-DICHLOROETHYLENE	34504	7U	UG/KG	*			UG/KG
1,1-DICHLOROETHANE	34499	7U	UG/KG	*			UG/KG
1,2-TRANS-DICHLOROETHYLENE	34549	7U	UG/KG	*			UG/KG
CHLOROFORM	34319	7U	UG/KG	*			UG/KG
1,2-DICHLOROETHANE	34534	7U	UG/KG	*			UG/KG
1,1,1-TRICHLOROETHANE	34509	7U	UG/KG	*			UG/KG
CARBON TETRACHLORIDE	34299	7U	UG/KG	*			UG/KG
DICHLOROBROMOMETHANE	34330	7U	UG/KG	*			UG/KG
1,2-DICHLOROPROPANE	34544	7U	UG/KG	*			UG/KG
TRANS-1,3-DICHLOROPROPENE	34697	7U	UG/KG	*			UG/KG
TRICHLOROETHYLENE	34487	7U	UG/KG	*			UG/KG
BENZENE	34237	7U	UG/KG	*			UG/KG
CHLORODIBROMOMETHANE	34309	7U	UG/KG	*			UG/KG
1,1,2-TRICHLOROETHANE	34514	7U	UG/KG	*			UG/KG
CIS-1,3-DICHLOROPROPENE	34702	7U	UG/KG	*			UG/KG
2-CHLOROETHYL VINYL ETHER	34579	7U	UG/KG	*			UG/KG
BROMOFORM	34290	7U	UG/KG	*			UG/KG
1,1,2,2-TETRACHLOROETHANE	34519	7U	UG/KG	*			UG/KG
TETRACHLOROETHYLENE	34478	7K	UG/KG	*			UG/KG
TOLUENE	34483	7U	UG/KG	*			UG/KG
CHLOROBENZENE	34304	7U	UG/KG	*			UG/KG
ETHYLBENZENE	34374	7U	UG/KG	*			UG/KG
ACROLEIN	34213	NA	UG/KG	*			UG/KG
ACRYLONITRILE	34218	NA	UG/KG	*			UG/KG
% MOISTURE	70320	12	%	*			%

NO OTHER ORGANIC COMPOUND DETECTED WITH AN ESTIMATED MINIMUM DETECTION LIMIT OF 7 µg/kg

NOTES: 1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
3) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN.
4) U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED.
THE NUMBER IS THE MINIMUM DETECTION LIMIT.
5) N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL.
6) A-AVERAGE VALUE
7) NA-COMPOUND NOT ANALYZED FOR.

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DATE:01/2' '2

PESTICIDES/PCB'S AND OTH CHLORINATED COUMPOUNDS
DATA REPOR..NG SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

EPA-! ,RGN.IV
ATHENS,GA

PROJECT #: 82-53 PROG ELEMENT #: HWSR

SAMPLE RECEIVED(DATE & TIME): 01/18/82 1227

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE TYPE: SEDIM

SAMPLE START(DATE & TIME):01/12/82 945

CITY: MEMPHIS STATE: TN

NOTHING

SAMPLE STOP(DATE & TIME): 00/00/00 0

STATION: MB-SD-1

SAD NO.: 82C0482

CHEMIST: E. W. Loy, Jr. COMPLETED 2/11/82

COMPOUND	STORET#		UNITS		COMPOUND	STORET#		UNITS
ALDRIN	39333	10U	UG/KG	*	GAMMA CHLORDANE (11)		4U	UG/KG
DIELDRIN	39383	10U	UG/KG	*	ALPHA CHLORDANE (11)		4U	UG/KG
CHLORDANE (TECH. MIXTURE & METABOLITES)(10)	39351	--	UG/KG	*	HEXACHLORONORBORNADIENE		4U	UG/KG
P,P'-DDT	39301	100U	UG/KG	*	HEPTACHLORONORBORNENE		8U	UG/KG
P,P'-DDE	39321	100U	UG/KG	*	OCTACHLOROCYCLOPENTENE		8U	UG/KG
P,P'-DDD	39311	100U	UG/KG	*				UG/KG
ENDOSULFAN,ALPHA	34364	10U	UG/KG	*				UG/KG
ENDOSULFAN,BETA	34359	100U	UG/KG	*				UG/KG
ENDOSULFAN SULFATE	34354	9U	UG/KG	*				UG/KG
ENDRIN	39393	100U	UG/KG	*				UG/KG
ENDRIN ALDEHYDE	34369	NA	UG/KG	*				UG/KG
HEPTACHLOR	39413	10U	UG/KG	*				UG/KG
HEPTACHLOR EPOXIDE	39423	10U	UG/KG	*				UG/KG
ALPHA-BHC	39076	10U	UG/KG	*				UG/KG
BETA-BHC	34257	10U	UG/KG	*				UG/KG
GAMMA-BHC (LINDANE)	39343	10U	UG/KG	*				UG/KG
DELTA-BHC	34262	10U	UG/KG	*				UG/KG
PCB-1242 (AROCLOR 1242)	39499	90U	UG/KG	*				UG/KG
PCB-1254 (AROCLOR 1254)	39507	400U	UG/KG	*				UG/KG
PCB-1221 (AROCLOR 1221)	39491	90U	UG/KG	*				UG/KG
PCB-1232 (AROCLOR 1232)	39495	90U	UG/KG	*				UG/KG
PCB-1248 (AROCLOR 1248)	39503	90U	UG/KG	*				UG/KG
PCB-1260 (AROCLOR 1260)	39511	400U	UG/KG	*				UG/KG
PCB-1016 (AROCLOR 1016)	39514	90U	UG/KG	*				UG/KG
TOXAPHENE	39403	200U	UG/KG	*				UG/KG
TCDD (DIOXIN)	34678	NA	UG/KG	*				UG/KG
% MOISTURE	70320	16.85	%	*				%

NOTES:
1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
3) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
4) U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED
THE NUMBER IS THE MINIMUM DETECTION LIMIT.
5) N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
6) A-AVERAGE VALUE
7) NA-COMPOUND NOT ANALYZED FOR
8) CONFIRMED ON TWO DIFFERENT GC COLUMNS
9) CONFIRMED BY GC/MS
10) REPORTED AS INDIVIDUAL COMPOUNDS
11) CONSTITUENTS OF TECHNICAL CHLORDANE

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ecology and environment

DATE:01/21/82

MET
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

EPA-S ORGN.IV
ATHENS,GA

PROJECT #: 82-53 PROG ELEMENT #: HWSR

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE TYPE: SEDIM

CITY: MEMPHIS STATE: TN

STATION: MB-SD-1

SAD NO.: 82C0482

SAMPLE RECEIVED(DATE & TIME): 01/18/82 1227

SAMPLE START(DATE & TIME):01/12/82 945

SAMPLE STOP(DATE & TIME): 00/00/00 0

CHEMIST: McDaniel COMPLETED 2/1/82

ELEMENT		STORET#		UNITS
SILVER	AG	01078	8U	MG/KG
ARSENIC	AS	01003	43	MG/KG
BORON	B	01023	NA	MG/KG
BARIUM	BA	01008	282	MG/KG
BERYLLIUM	BE	01013	8U	MG/KG
CADMIUM	CD	01028	8U	MG/KG
COBALT	CO	01038	55	MG/KG
CHROMIUM	CR	01029	77	MG/KG
COPPER	CU	01043	26	MG/KG
MOLYBDENUM	MO	01063	16U	MG/KG
NICKEL	NI	01068	36	MG/KG
LEAD	PB	01052	71	MG/KG
ANTIMONY	SB	01098	32U	MG/KG
SELENIUM	SE	01148	32U	MG/KG
TIN	SN	01103	80U	MG/KG
STRONTIUM	SR	01083	17	MG/KG
TELLURIUM	TE	45513	32U	MG/KG
TITANIUM	TI	01153	376	MG/KG
THALLIUM	TL	34480	800	MG/KG
VANADIUM	V	01068	156	MG/KG
YTTRIUM	Y	45514	30	MG/KG
ZINC	ZN	01093	63	MG/KG
ZIRCONIUM	ZR	01163	NA	MG/KG
MERCURY	HG	71921	0.07	MG/KG
ALUMINUM	AL	01108	17600	MG/KG
MANGANESE	MN	01053	4900	MG/KG
CALCIUM	CA	00917	2300	MG/KG
MAGNESIUM	MG	00924	1900	MG/KG
IRON	FE	01170	84900	MG/KG
SODIUM	NA	00934	800U	MG/KG
CYANIDE	CN	00721	NA	MG/KG
ASBESTOS	ASSB	34228	NA	MG/KG
CHROMIUM,HEXAVALENT	CR(6)		NA	
% MOISTURE	M	70320	19	%

NOTES: 1) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
2) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN.
3) A-AVERAGE VALUE
4) NA-ELEMENT NOT ANALYZED FOR
5) U-None detected; number is detection limit.

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DATE: 01/2?/82

US EPA REGION IV S&A VISION
LABORATORY SERVICES BRANCH
DATA REPORTING SHEET
82C0482 - 82C0482
PROJECT # 82-53 ***PROG ELEMENT # HWSR

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE RECEIVED DATE & TIME: 01/18/82 1227

CITY : MEMPHIS STATE: TN

CHEMIST:

COMPLETED: 1/29/82

SAD NO.	STATION	DATE & TIME SAMPLED	SAMPLE TYPE	ANALYSES TO BE RUN					
				:ORGS	:PEST	:VOA	:METSCMG/KG	:CN MG/KG	:HG MG/KG
82C0482	M8-SD-1	01/12/82- 00/00/00 945- 0	SEDIM					0.20K	

NOTES: 1) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
2) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ATHENS, GEORGIA 30613

DATE: AUG 19 1981

SUBJECT: Winchester Avenue and Goodlett Road Site, Hazardous Waste Site Investigation, Memphis, Tennessee, April 14, 1981

FROM: Water Surveillance Branch

TO: Howard Zeller, Acting Director
Enforcement Division

A hazardous waste site investigation was conducted at the Winchester Avenue and Goodlett Road Site, Memphis, Tennessee, during April 14, 1981, by Charles A. Till of the U.S. Environmental Protection Agency (US-EPA), Region IV, Surveillance and Analysis Division (SAD), assisted by Roger Franklin, Ecology and Environment, Inc. (E&E). This investigation was initiated following a preliminary inspection by personnel of the US-EPA, Region IV, Enforcement Division in May 1980. During the May 1980 inspection, EPA personnel observed a reddish leachate seeping out of a bank in a large ravine cutting across the site.

The subject site is a large field approximately five acres in size located on Winchester road about .4 miles east of the Lamar Avenue/Winchester Road intersection. Goodlett Road parallels the site to the west, and a new apartment complex parallels the site to the east. A concrete channel containing Ten Mile Creek is located on the north side of the site. A large drainage ravine cuts through the site in a southwest-northeast direction and flows into the concrete channel. The site was once a low wet area that drained the adjacent upland area along Winchester Avenue. This area has since been filled in for purposes of commercial and residential development. The large ravine is a result of the erosion of the soft fill by the drainage stream flowing through the site. Close inspection by the EPA personnel during this investigation revealed that the fill used was clean soil. The reddish leachate observed seeping out of the bank was iron stained surface drainage. This reddish iron stain is a result of chemical weathering accompanied by bacterial action in the iron rich soil. The reddish leachate has been sampled before and analysis revealed high concentrations of iron. This reddish seepage is a common occurrence in the soils in the Memphis area. No other signs of contamination were observed on site. It was determined by the EPA investigation team that the area was clean of possible contamination, and therefore, no samples were collected.

It is recommended that no further study is needed for this site.

Charles Till

Charles Till

cc: Finger/Adams/Carter/Lair

EPA/Region IV
Atlanta, GA
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AUG 25 1981

CONFIDENTIAL

EPA Form 1320-6 (Rev. 3-76)

FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES

FIT PROJECT

TASK REPORT TO THE ENVIRONMENTAL PROTECTION AGENCY CONTRACT NO. 68-01-6056

INVESTIGATION REPORT
ON
MEMPHIS EPIC SITE #8 (NORTH)

TDD# F4-8112-06

5 March 1982

EPA, Region IV
Atlanta, GA
RECEIVED
MAR 1 1982
Compliance Branch

Prepared by: Gene Oliver
Neal Strickland
Submitted to: R. D. Stonebraker

ecology and environment, inc.

International Specialists in the Environmental Sciences

INVESTIGATION REPORT
EPIC SITE # 8 (NORTH)
MEMPHIS, TN

INTRODUCTION

On Tuesday, January 12, 1982 an investigation was conducted at the subject site by Gene Oliver and Neal Strickland of Ecology & Environment's Field Investigation Team (FIT). This effort was part of a study prescribed under TDD # F4-8112-06 in order to finalize dispositions on four sites in the Memphis area which had been initially inspected and characterized by the EPA, Region IV, Enforcement Division (1). This site was subsequently inspected on April 14, 1981 by Charles Till (ESD, Athens) and Roger Franklin (FIT) for the purpose of sampling the reported leachate stream. No leachate was observed during this subsequent inspection, thus no samples were collected.

SITE DESCRIPTION

EPIC site #8 (North) is a vegetated field approximately five acres in size located immediately north of Winchester Road, about .4 miles east of the intersection of Lamar Avenue and Winchester Road. The site is flat and bisected by a line of trees running east to west. The field directly adjoins a large diameter concrete culvert containing Tenmile Creek, which flows northwest toward Nonconnah Creek.

The major concern at the site is a large, eroded ravine running north to south the length of the site which drains into the culvert. The ravine is generally 10-15 feet wide and is approximately 10 feet in depth. The walls of the ravine are roughly vertical and composed of a barren sand-clay mixture.

Figure 1 is a sketch of this site as it was reported by the investigators during the EPA study of June 1980. The leachate shown on the Figure was not observed during this study although an effort to find and sample this leachate was made. During this inspection the ground was frozen and covered with snow from a light snowfall.

DISCUSSION OF RESULTS

A single soil sample was taken from a loose deposit on the floor of the ravine at a point just before the drainage enters the culvert, as shown on Figure 1. The sample was analyzed by the Region IV EPA, Environmental Services Division Laboratory in Athens, Georgia for extractable organics, purgeable organics, pesticides/PCB's/chlorinated organics, metals, and cyanide. The data from these analyses are included in Appendix A and the results of the analyses for metals are summarized in Table 1.

No traces of extractable organics, pesticides/PCB's/chlorinated organics, or cyanide were detected in the sample. A single purgeable organic, tetrachloroethylene, was detected at less than the quantifiable limit of 7 ug/kg.

Numerous metals which are listed as priority pollutants were detected in the sample, including arsenic (43 mg/kg), chromium (77 mg/kg), copper (20 mg/kg), nickel (36 mg/kg), lead (71 mg/kg), zinc (63 mg/kg), and mercury (0.07 mg/kg). While these results might indicate the presence of some surface contamination, they do not suggest the presence of hazardous waste materials when compared with other analyses of soil samples collected in the Memphis area.

METHODOLOGY

All sample collection, sample preservation and sample management procedures used during this study were in accordance with the Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual, August 29, 1980 (Draft) (2). All analyses of the samples were conducted by the EPA Region IV, Laboratory Services Branch in accordance with the Laboratory Services Branch Operations and Quality Control Manual, March, 1981 (3).

REFERENCES

(1) "Report - Hazardous Waste Site Investigation - Memphis, Tennessee - First Phase", U.S. Environmental Protection Agency, Region IV, Enforcement Division, June 1980.

(2) Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual. (Draft); U.S. Environmental Protection Agency, Region IV, Environmental Services Division, August 29, 1980.

(3) Laboratory Services Branch Operations and Quality Control Manual; U.S. Environmental Protection Agency, Region IV, Environmental Services Division, March, 1981.

FIGURE 1
SITE SKETCH
MEMPHIS EPIC SITE #8 (NORTH)

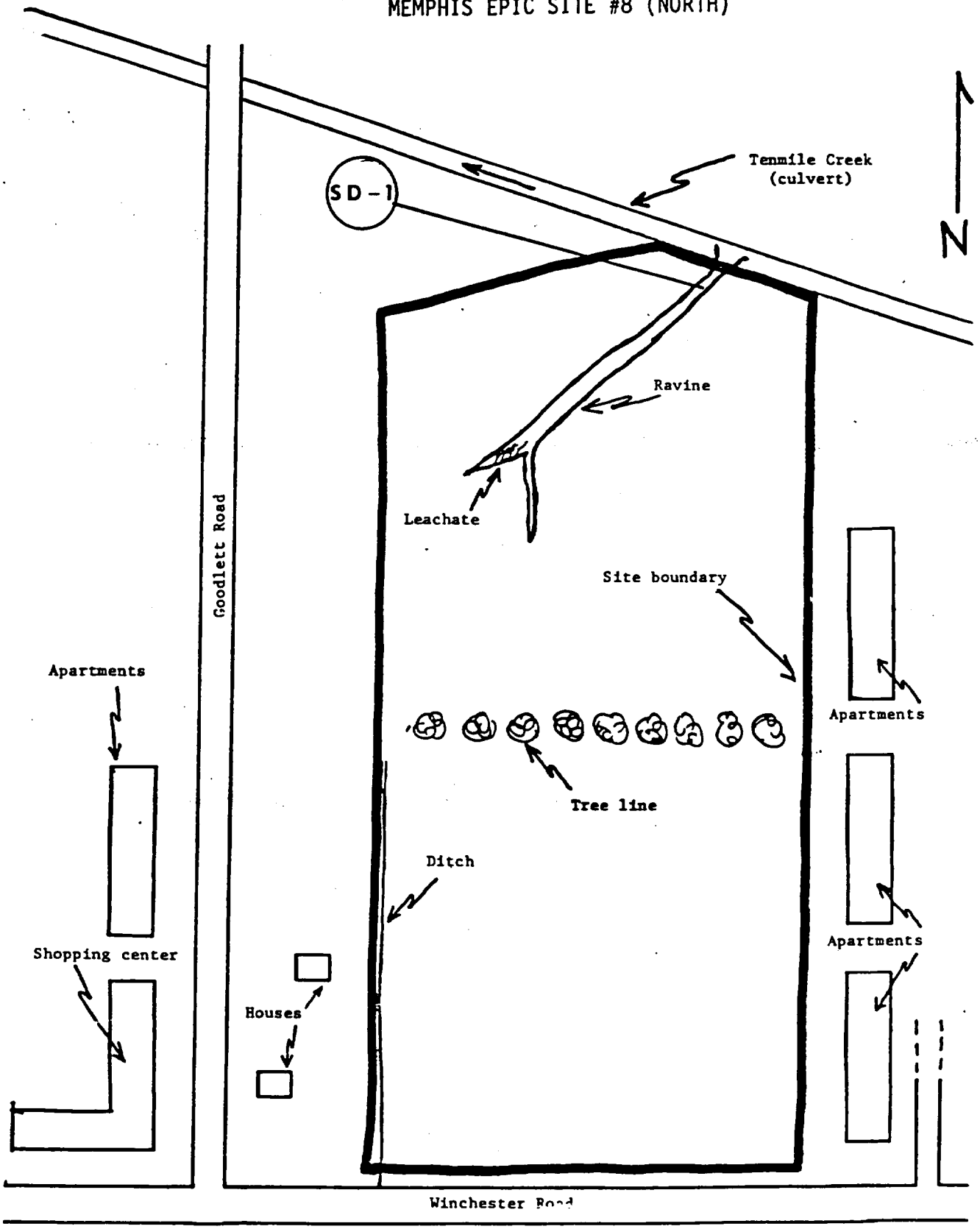

TABLE 1
METALS ANALYSIS
MEMPHIS EPIC SITE #8 (NORTH)

ELEMENT	MG/KG[1]
Arsenic*	43
Barium	282
Cobalt	55
Chromium*	77
Copper*	26
Nickel*	36
Lead*	71
Strontium	17
Titanium	376
Vanadium	156
Yttrium	30
Zinc*	63
Mercury*	0.07
Aluminum	17,600
Manganese	4,900
Calcium	2,300
Magnesium	1,900
Iron	84,900

*Priority Pollutants
[1] All analytical results reported on a dry weight basis.

DATE: 01/2[illegible]2

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE (DRY WT)

EPA-[illegible], RGN. IV
ATHENS, GA

PROJECT #: 82-53 PROG ELEMENT #: HWSR

SAMPLE RECEIVED (DATE & TIME): 01/18/82 1227

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE TYPE: SEDIM

SAMPLE START (DATE & TIME): 01/12/82 945

CITY: MEMPHIS STATE: TN

SAMPLE STOP (DATE & TIME): 00/00/00 0

NOTHING

STATION: M8-SD-1

SAD NO.: 82C0482

CHEMIST: E. W. Loy, Jr. COMPLETED 2/4/82

COMPOUND	STORET#		UNITS		COMPOUND	STORET#		UNITS
BIS(CHLOROMETHYL) ETHER	34271	NA	UG/KG	*	BIS(2-ETHYLHEXYL) PHTHALATE	39102	5000U	UG/KG
N-NITROSODIMETHYLAMINE	34441	NA	UG/KG	*	CHRYSENE	34323	5000U	UG/KG
1,2-DICHLOROBENZENE	34539	5000U	UG/KG	*	BENZO(A)ANTHRACENE	34529	5000U	UG/KG
1,3-DICHLOROBENZENE	34569	5000U	UG/KG	*	3,3'-DICHLOROBENZIDINE	34634	5000U	UG/KG
1,4-DICHLOROBENZENE	34574	5000U	UG/KG	*	DI-N-OCTYL PHTHALATE	34599	5000U	UG/KG
BIS(2-CHLOROETHYL) ETHER	34276	5000U	UG/KG	*	BENZO(B)FLUORANTHENE 10/	34233	5000U	UG/KG
HEXACHLOROETHANE	34399	5000U	UG/KG	*	BENZO(K)FLUORANTHENE 10/	34245	5000U	UG/KG
BIS(2-CHLOROISOPROPYL) ETHER	34286	5000U	UG/KG	*	BENZO-A-PYRENE	34250	5000U	UG/KG
N-NITROSODI-N-PROPYLAMINE	34431	5000U	UG/KG	*	INDENO (1,2,3-CD) PYRENE	34406	5000U	UG/KG
NITROBENZENE	34450	5000U	UG/KG	*	1,2,5,6-DIBENZANTHRACENE	34559	5000U	UG/KG
HEXACHLOROBUTADIENE	39705	5000U	UG/KG	*	BENZO(GHI)PERYLENE	34524	5000U	UG/KG
1,2,4-TRICHLOROBENZENE	34554	5000U	UG/KG	*	2-CHLOROPHENOL	34589	5000U	UG/KG
NAPHTHALENE	34445	5000U	UG/KG	*	2-NITROPHENOL	34594	5000U	UG/KG
BIS(2-CHLOROETHOXY) METHANE	34281	5000U	UG/KG	*	PHENOL (GC/MS)	34695	5000U	UG/KG
ISOPHORONE	34411	5000U	UG/KG	*	2,4-DIMETHYLPHENOL	34609	5000U	UG/KG
HEXACHLOROCYCLOPENTADIENE	34389	4U	UG/KG	*	2,4-DICHLOROPHENOL	34604	5000U	UG/KG
2-CHLORONAPHTHALENE	34584	5000U	UG/KG	*	2,4,6-TRICHLOROPHENOL	34624	5000U	UG/KG
ACENAPHTHYLENE	34203	5000U	UG/KG	*	PARACHLOROMETA CRESOL	34455	5000U	UG/KG
ACENAPHTHENE	34208	5000U	UG/KG	*	2,4-DINITROPHENOL	34619	5000U	UG/KG
DIMETHYL PHTHALATE	34344	5000U	UG/KG	*	4,6-DINITRO-O-CRESOL	34660	5000U	UG/KG
2,4-DINITROTOLUENE	34614	5000U	UG/KG	*	PENTACHLOROPHENOL	39061	5000U	UG/KG
2,6-DINITROTOLUENE	34629	5000U	UG/KG	*	4-NITROPHENOL	34649	5000U	UG/KG
4-CHLOROPHENYL PHENYL ETHER	34644	5000U	UG/KG	*	% MOISTURE	70320	17	%
FLUORENE	34384	5000U	UG/KG	*				UG/KG
DIETHYL PHTHALATE	34339	5000U	UG/KG	*				UG/KG
1,2-DIPHENYLHYDRAZINE 8/	34349	NA	UG/KG	*				UG/KG
N-NITROSODIPHENYLAMINE 9/	34435	5000U	UG/KG	*				UG/KG
HEXACHLOROBENZENE	39701	8U	UG/KG	*				UG/KG
4-BROMOPHENYL PHENYL ETHER	34639	5000U	UG/KG	*				UG/KG
PHENANTHRENE	34464	5000U	UG/KG	*				UG/KG
ANTHRACENE	34223	5000U	UG/KG	*				UG/KG
DI-N-BUTYL PHTHALATE	39112	5000U	UG/KG	*				UG/KG
FLUORANTHENE	34379	5000U	UG/KG	*				UG/KG
PYRENE	34472	5000U	UG/KG	*				UG/KG
N-BUTYL BENZYL PHTHALATE	34295	5000U	UG/KG	*				UG/KG
BENZIDINE	39121	NA	UG/KG	*				UG/KG

NO OTHER ORGANIC COMPOUND DETECTED WITH AN ESTIMATED MINIMUM DETECTION LIMIT OF 5000 ug/kg

NOTES:
1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
3) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN.
4) U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
5) NA-COMPOUND NOT ANALYZED FOR.
6) N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
7) A-AVERAGE VALUE
8) AND/OR AZOBENZENE
9) AND/OR DIPHENYLAMINE
10) BENZO(B)FLUORANTHENE AND/OR BENZO(K)FLUORANTHENE

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DATE: 01/[illegible]82

PURGEABLE ORGA[illegible]S ANALYSIS
DATA REPORT[illegible]G SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

EPA-S [illegible]RGN.IV
ATHENS,GA

PROJECT #: 82-53 PROG ELEMENT #: HWSR

SAMPLE RECEIVED(DATE & TIME): 01/18/82 1227

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE TYPE: SEDIM

SAMPLE START(DATE & TIME):01/12/82 945

CITY: MEMPHIS STATE: TN

SAMPLE STOP(DATE & TIME): 00/00/00 0

STATION: MA-SD-1

SAD NO.: 82C0482

CHEMIST: E.W. Loy, Jr. COMPLETED 1-28-82

COMPOUND	STORET#		UNITS		COMPOUND	STORET#	UNITS
METHYL CHLORIDE	34421	7U	UG/KG	*			UG/KG
METHYL BROMIDE	34416	7U	UG/KG	*			UG/KG
DICHLORODIFLUOROMETHANE	34334	7U	UG/KG	*			UG/KG
VINYL CHLORIDE	34495	7U	UG/KG	*			UG/KG
CHLOROETHANE	34314	7U	UG/KG	*			UG/KG
METHYLENE CHLORIDE	34426	7U	UG/KG	*			UG/KG
TRICHLOROFLUOROMETHANE	34491	7U	UG/KG	*			UG/KG
1,1-DICHLOROETHYLENE	34504	7U	UG/KG	*			UG/KG
1,1-DICHLOROETHANE	34499	7U	UG/KG	*			UG/KG
1,2-TRANS-DICHLOROETHYLENE	34549	7U	UG/KG	*			UG/KG
CHLOROFORM	34319	7U	UG/KG	*			UG/KG
1,2-DICHLOROETHANE	34534	7U	UG/KG	*			UG/KG
1,1,1-TRICHLOROETHANE	34509	7U	UG/KG	*			UG/KG
CARBON TETRACHLORIDE	34299	7U	UG/KG	*			UG/KG
DICHLOROBROMOMETHANE	34330	7U	UG/KG	*			UG/KG
1,2-DICHLOROPROPANE	34544	7U	UG/KG	*			UG/KG
TRANS-1,3-DICHLOROPROPENE	34697	7U	UG/KG	*			UG/KG
TRICHLOROETHYLENE	34487	7U	UG/KG	*			UG/KG
BENZENE	34237	7U	UG/KG	*			UG/KG
CHLORODIBROMOMETHANE	34309	7U	UG/KG	*			UG/KG
1,1,2-TRICHLOROETHANE	34514	7U	UG/KG	*			UG/KG
CIS-1,3-DICHLOROPROPENE	34702	7U	UG/KG	*			UG/KG
2-CHLOROETHYL VINYL ETHER	34579	7U	UG/KG	*			UG/KG
BROMOFORM	34290	7U	UG/KG	*			UG/KG
1,1,2,2-TETRACHLOROETHANE	34519	7U	UG/KG	*			UG/KG
TETRACHLOROETHYLENE	34478	7K	UG/KG	*			UG/KG
TOLUENE	34483	7U	UG/KG	*			UG/KG
CHLOROBENZENE	34304	7U	UG/KG	*			UG/KG
ETHYLBENZENE	34374	7U	UG/KG	*			UG/KG
ACROLEIN	34213	NA	UG/KG	*			UG/KG
ACRYLONITRILE	34218	NA	UG/KG	*			UG/KG
% MOISTURE	70320	12	%	*			%

NO OTHER ORGANIC COMPOUND DETECTED WITH AN ESTIMATED MINIMUM DETECTION LIMIT OF 7 ug/kg

NOTES: 1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
3) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN.
4) U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED.
THE NUMBER IS THE MINIMUM DETECTION LIMIT.
5) N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL.
6) A-AVERAGE VALUE
7) NA-COMPOUND NOT ANALYZED FOR.

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DATE: 01/2[illegible] 2

PESTICIDES/PCB'S AND OTHE[illegible]HLORINATED COUMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE (DRY WT)

EPA-S[illegible]RGN. IV
ATHENS, GA

PROJECT #: 82-53 PROG ELEMENT #: HWSR

SAMPLE RECEIVED (DATE & TIME): 01/18/82 1227

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE TYPE: SEDIM

SAMPLE START (DATE & TIME): 01/12/82 945

CITY: MEMPHIS STATE: TN

SAMPLE STOP (DATE & TIME): 00/00/00 0

NOTHING

STATION: MH-SD-1

SAD NO.: 82C0482

CHEMIST: R. W. Joy, Jr. COMPLETED 2/11/82

COMPOUND	STORET#		UNITS		COMPOUND	STORET#		UNITS
ALDRIN	39333	10U	UG/KG	*	GAMMA CHLORDANE (11)		4U	UG/KG
DIELDRIN	39383	10U	UG/KG	*	ALPHA CHLORDANE (11)		4U	UG/KG
CHLORDANE (TECH. MIXTURE & METABOLITES)(10)	39351	--	UG/KG	*	HEXACHLORONORBORNADIENE		4U	UG/KG
P,P'-DDT	39301	100U	UG/KG	*	HEPTACHLORONORBORNENE		8U	UG/KG
P,P'-DDE	39321	100U	UG/KG	*	OCTACHLOROCYCLOPENTENE		8U	UG/KG
P,P'-DDD	39311	100U	UG/KG	*				UG/KG
ENDOSULFAN,ALPHA	34364	10U	UG/KG	*				UG/KG
ENDOSULFAN,BETA	34359	100U	UG/KG	*				UG/KG
ENDOSULFAN SULFATE	34354	9U	UG/KG	*				UG/KG
ENDRIN	39393	100U	UG/KG	*				UG/KG
ENDRIN ALDEHYDE	34369	NA	UG/KG	*				UG/KG
HEPTACHLOR	39413	10U	UG/KG	*				UG/KG
HEPTACHLOR EPOXIDE	39423	10U	UG/KG	*				UG/KG
ALPHA-BHC	39076	10U	UG/KG	*				UG/KG
BETA-BHC	34257	10U	UG/KG	*				UG/KG
GAMMA-BHC (LINDANE)	39343	10U	UG/KG	*				UG/KG
DELTA-BHC	34262	10U	UG/KG	*				UG/KG
PCB-1242 (AROCLOR 1242)	39499	90U	UG/KG	*				UG/KG
PCB-1254 (AROCLOR 1254)	39507	400U	UG/KG	*				UG/KG
PCB-1221 (AROCLOR 1221)	39491	90U	UG/KG	*				UG/KG
PCB-1232 (AROCLOR 1232)	39495	90U	UG/KG	*				UG/KG
PCB-1248 (AROCLOR 1248)	39503	90U	UG/KG	*				UG/KG
PCB-1260 (AROCLOR 1260)	39511	400U	UG/KG	*				UG/KG
PCB-1016 (AROCLOR 1016)	39514	90U	UG/KG	*				UG/KG
TOXAPHENE	39403	200U	UG/KG	*				UG/KG
TCDD (DIOXIN)	34678	NA	UG/KG	*				UG/KG
% MOISTURE	70320	16.85	%	*				%

NOTES:
1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
3) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
4) U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED THE NUMBER IS THE MINIMUM DETECTION LIMIT.
5) N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
6) A-AVERAGE VALUE
7) NA-COMPOUND NOT ANALYZED FOR
8) CONFIRMED ON TWO DIFFERENT GC COLUMNS
9) CONFIRMED BY GC/MS
10) REPORTED AS INDIVIDUAL COMPOUNDS
11) CONSTITUENTS OF TECHNICAL CHLORDANE

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DATE: 01/2[illegible]2

MET[illegible]
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE (DRY WT)

EPA-S[illegible] RGN. IV
ATHENS, GA

PROJECT #: 82-53 PROG ELEMENT #: HWSR

SAMPLE RECEIVED (DATE & TIME): 01/18/82 1227

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE TYPE: SEDIM

SAMPLE START (DATE & TIME): 01/12/82 945

CITY: MEMPHIS STATE: TN

SAMPLE STOP (DATE & TIME): 00/00/00 0

STATION: MA-SD-1

SAD NO.: 82C0462

CHEMIST: McDaniel COMPLETED 2/1/82

ELEMENT		STORET#		UNITS
SILVER	AG	01078	8U	MG/KG
ARSENIC	AS	01003	43	MG/KG
BORON	B	01023	NA	MG/KG
BARIUM	BA	01008	282	MG/KG
BERYLLIUM	BE	01013	8U	MG/KG
CADMIUM	CD	01028	8U	MG/KG
COBALT	CO	01038	55	MG/KG
CHROMIUM	CR	01029	77	MG/KG
COPPER	CU	01043	26	MG/KG
MOLYBDENUM	MO	01063	16U	MG/KG
NICKEL	NI	01068	36	MG/KG
LEAD	PB	01052	71	MG/KG
ANTIMONY	SB	01098	32U	MG/KG
SELENIUM	SE	01148	32U	MG/KG
TIN	SN	01103	80U	MG/KG
STRONTIUM	SR	01083	17	MG/KG
TELLURIUM	TE	45513	32U	MG/KG
TITANIUM	TI	01153	376	MG/KG
THALLIUM	TL	34480	800	MG/KG
VANADIUM	V	01068	156	MG/KG
YTTRIUM	Y	45514	30	MG/KG
ZINC	ZN	01093	63	MG/KG
ZIRCONIUM	ZR	01163	NA	MG/KG
MERCURY	HG	71921	0.02	MG/KG
ALUMINUM	AL	01108	17600	MG/KG
MANGANESE	MN	01053	4900	MG/KG
CALCIUM	CA	00917	2300	MG/KG
MAGNESIUM	MG	00924	1900	MG/KG
IRON	FE	01170	84900	MG/KG
SODIUM	NA	00934	800U	MG/KG
CYANIDE	CN	00721	NA	MG/KG
ASBESTOS	ASSB	34228	NA	MG/KG
CHROMIUM, HEXAVALENT	CR(6)		NA	
% MOISTURE	M	70320	19	%

NOTES: 1) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
2) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN.
3) A-AVERAGE VALUE
4) NA-ELEMENT NOT ANALYZED FOR
5) U-None detected; number is detection limit.

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DATE: 01/21/82

US EPA REGION IV SAA DIVISION
LABORATORY SERVICES BRANCH
DATA REPORTING SHEET
82C0482 - 82C0482
PROJECT # 82-53 ***PROG ELEMENT # HWSR

SOURCE: MEMPHIS EPIC SITE #8

SAMPLE RECEIVED DATE & TIME: 01/18/82 1227

CITY : MEMPHIS STATE: TN

CHEMIST:

COMPLETED: 1/29/82

LAB NO.	STATION	DATE & TIME SAMPLED	SAMPLE TYPE	ANALYSES TO BE RUN					
				:ORGS	:PEST	:VOA	:METSCMG/KG	:CN MG/KG	:HG MG/KG:
82C0482	M8-SD-1	01/12/82- 945- 00/00/00 0	SEDIM	:	:	:	:	0.20K :	:
				:	:	:	:	:	:
				:	:	:	:	:	:

NOTES: 1) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
2) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN.

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Potential Hazardous Waste Site

PRELIMINARY ASSESSMENT

EPIC [redacted] #8 Vol 4

MEMPHIS SHELBY COUNTY, TENNESSEE

TND ~~[redacted]~~ 980 832 417

EPIC SITE #8
TND 000001115

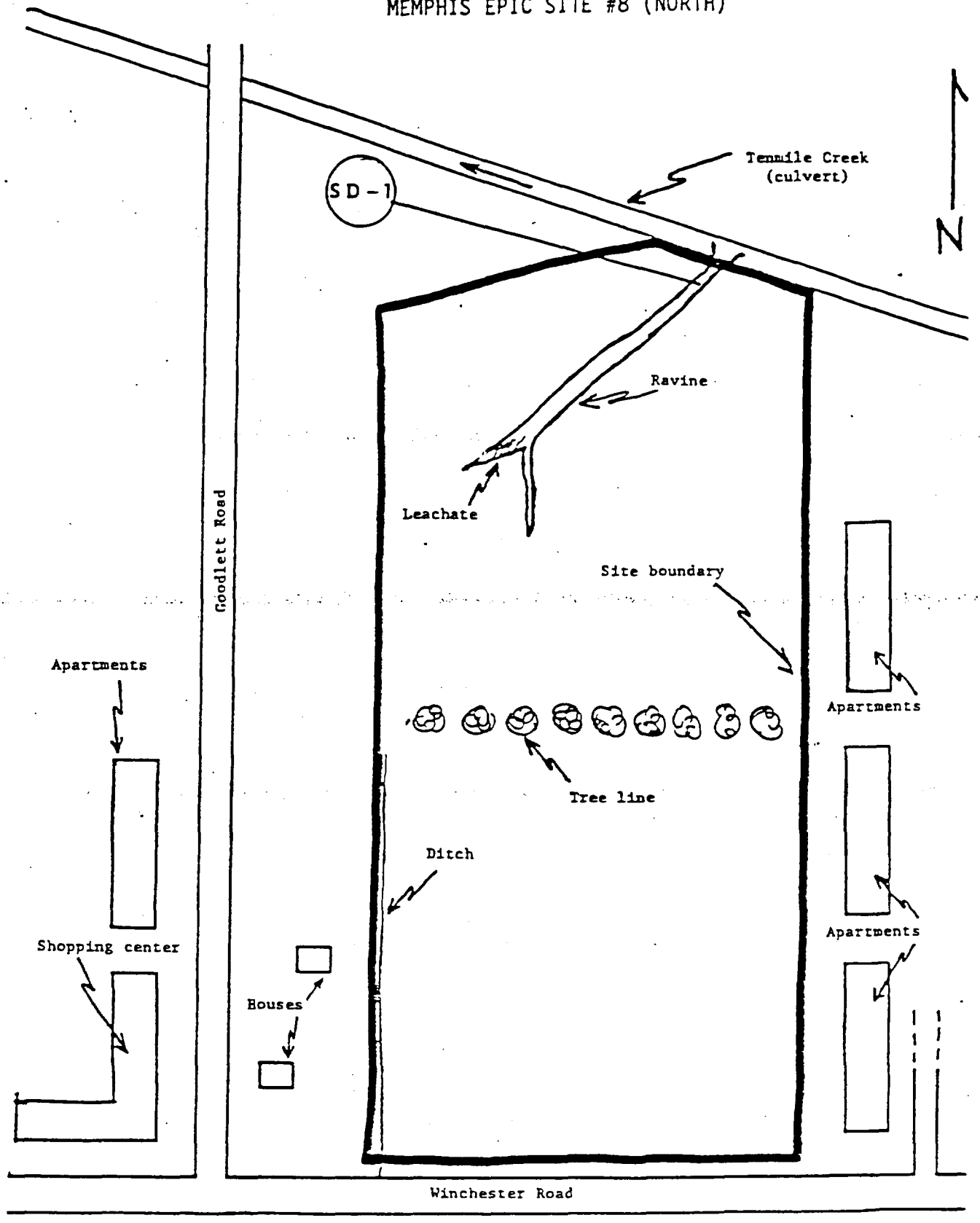
EPIC Site #8 North is a vegetated field approximately five acres in size located east of the intersection of Lamar Avenue and Winchester Road. The site is flat, bisected by a line of trees running east to west. The field directly adjoins a large diameter concrete culvert containing Tenmile Creek, which flows northwest to Nonconnah Creek.

This site is generated from a list of EPIC studies from the Memphis Shelby County 1980 evaluation of irregularities on aerial photographs.

It seems to me from the limited documentation that a possible concern is an eroded ravine running north to south the length of the site which drains into the culvert. There is no documented evidence of hazardous waste on site.

RTH/ib

FIGURE 1
SITE SKETCH
MEMPHIS EPIC SITE #8 (NORTH)



REFERENCES

Ecology and Environment, Inc. Tennessee Department of Health and Environment State Superfund file.

RTH/ib