General Motors
Worldwide Facilities Group
Environmental and Regulatory Support
Remediation Team

January 17, 2005

Ms. Patricia J. Polston
Waste, Pesticides and Toxics Division
U.S. EPA Region 5
77 W. Jackson Blvd., DRE-9J
Chicago, IL 60604-3590

Re: Summary of Additional Information on Rooftop Transformers and
Summary of Storm Sewer Sample Results
Former Delphi Harrison Thermal Systems
USEPA ID No. OHD 017 958 604

Dear Ms Polston:

Please find attached a copy of two memoranda regarding the Former Delphi Harrison Thermal Systems Site located at 300 Taylor Street, Dayton, Ohio. The first memorandum summarizes additional information on rooftop transformers. The second memorandum summarizes storm sewer sample results.

These memoranda will be discussed with U.S. EPA during the January 18, 2005 conference call at 11:00 a.m. on project status, and will be discussed with the City of Dayton on January 20, 2005 during the "all-hands" meeting at 1:00 p.m. Please call (937) 455-2636 if you have any questions concerning this information.

Sincerely,

for Pamela L. Barnett, P.G.
Project Manager
BOW Environmental Solutions, Inc. on behalf of GM

SE/pw/12638/8
attachment.

c.c.: Jean Caufield, GM Remediation (1 copy)
Laura Romeo/Terry Conway, GM Legal (1 copy)
Chuck Kronbach, GM (1 copy)
Pamela Hull, Ohio EPA (1 copy)
Carl Bridges, Peerless (1 copy)
Ian Richardson/Sylvie Eastman, CRA (2 copies)
Rich Kapuscinski, Environ (1 copy)
Kevin Long, Environ (1 copy)
Rob Wilhelm/Christy Merryfield, H&A (1 copy)
Christine Horch, H&A (1 copy)
Donna Winchester/Jim Shoemaker, City of Dayton (2 copies)

US EPA RECORDS CENTER REGION 5
1008078

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DRAFT MEMORANDUM

TO: Pam Barnett (REALM)

REF. NO.: 12638/pw/29

FROM: Sylvie Eastman

DATE: January 12, 2005

C.C.: Jean Caufield (GM)
Chuck Kronbach (GM)
Laura Romeo (GM)
Terry Conway (GM)
Rob Wilhelm (H&A)
Christine Horch (H&A)
Rich Kapuscinski (Environ)
Kevin Long (Environ)
Ian Richardson (CRA)

RE: **Summary of Additional Information on Rooftop Transformers**
Former Delphi Harrison Thermal Systems Facility – Dayton, Ohio

Additional information, not included in the Decommissioning Report, was recently discovered, identifying that a transformer room remediation program was completed in September/October 1996. The records include a series of sketches identifying sample locations and results (Attachment A). The sample result units are not identified, but are believed to be μg/100 cm² because these are typical reporting limits for wipe samples. Table 1 presents a summary of rooftop transformer room activities.

Based on the notes and sketches of the transformer rooms, and in accordance with GM's standard procedures for PCB transformer room remediation (in accordance with 40 CFR 761), it is believed that the following activities were conducted:

1. Pre-remediation sampling in Vault 13/14 identified the highest result as 50,817 μg/100 cm²; the remaining results in this room ranged from non-detect to 189 μg/100 cm². The concrete surrounding the highest sample result was removed and replaced. The remaining stained areas were cleaned with solvent, some additional detergent washing was performed to improve paint adhesion, and the floor was encapsulated. No post-remediation samples were collected.
2. Pre-remediation sampling in Vault 15 identified the two highest results as 11,488 and 2,564 μg/100 cm²; the remaining results in this room ranged from non-detect to 454 μg/100 cm². The concrete surrounding the two highest sample results was removed and replaced. The remaining stained areas were cleaned with solvent, some additional detergent washing was performed to improve paint adhesion, and the floor was encapsulated. No post-remediation samples were collected.
3. Pre-remediation sampling in Vault 16 identified the three highest results as 17,260, 8,000, and 2,415 μg/100 cm²; the remaining results in this room ranged from non-detect to 356 μg/100 cm². The concrete surrounding the three highest sample results was removed and replaced. The remaining stained areas

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were cleaned with solvent, some additional detergent washing was performed to improve paint adhesion, and the floor was encapsulated. No post-remediation samples were collected.

4. Pre-remediation sampling in Vault 18 identified results in this room ranged from non-detect to 91 μg/100 cm^2. Although apparently not warranted by the wipe sample results, solvent cleaning was conducted in this room and one sample collected following cleaning had a result of 765 μg/100 cm^2; the other post-cleaning sample results ranged from non-detect to 5 μg/100 cm^2. The concrete surrounding the highest sample result was scarified and post-scarification sample results ranged from 6 to 7 μg/100 cm^2. Some additional detergent washing was performed to improve paint adhesion, and the floor was encapsulated.
5. Pre-remediation sampling in Vault 22 identified results in this room were all non-detect. Some detergent washing was performed to improve paint adhesion, and the floor was encapsulated.
6. Pre-remediation sampling in Vault 23 identified results in this room ranged from non-detect to 20 μg/100 cm^2. The small stained area was cleaned with solvent, and post-cleaning samples in the remainder of the room were all non-detect. Some additional detergent washing was performed to improve paint adhesion, and the floor was encapsulated.
7. Pre-remediation sampling in Vault 33 identified the three highest results as 903, 766, and 630 μg/100 cm^2, all within an area of approximately 2 square feet; the remaining results in the vicinity of the transformer ranged from non-detect to 84 μg/100 cm^2. The concrete surrounding the three highest sample results was removed and replaced. The adjacent area was scarified, and the post-scarification sample result was non-detect. The remaining stained areas were cleaned with solvent, some additional detergent washing was performed to improve paint adhesion, and the floor was encapsulated.

Based on this information, it is likely that some residual PCB concentrations remain in the rooftop transformer rooms; however, it is believed that the most significant PCB concentrations have been removed.

DRAFT

TABLE 1
SUMMARY OF ROOFTOP TRANSFORMER ROOM ACTIVITIES
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY - DAYTON, OHIO

							Pre-Remediation		Following Solvent Washing		Following Scarification	
Vault ID	Floor Area	Area 1	Area 2	Area 3	Area 4	Area 5	Date	Result				
13/14	1271	1106	316	474	0	4	9/30/1996	50817				
15	1271	1125	660	959	0	12	9/20/1996	11488				
16	1312	1120	352	977	0	13	9/20/1996	17260				
18	2542	2227	512	81	4	0	9/17/1996	91	9/20/1996	765	9/25/1996	7
22	1927	1835	280	0	0	0	9/18/1996	ND				
23	2190	1818	380	10	0	0	9/9 to 9/16/1996	20	NR	OK		
33	2604	1780	608	66	13.5	5.25	9/16/1996	903			NR	4356

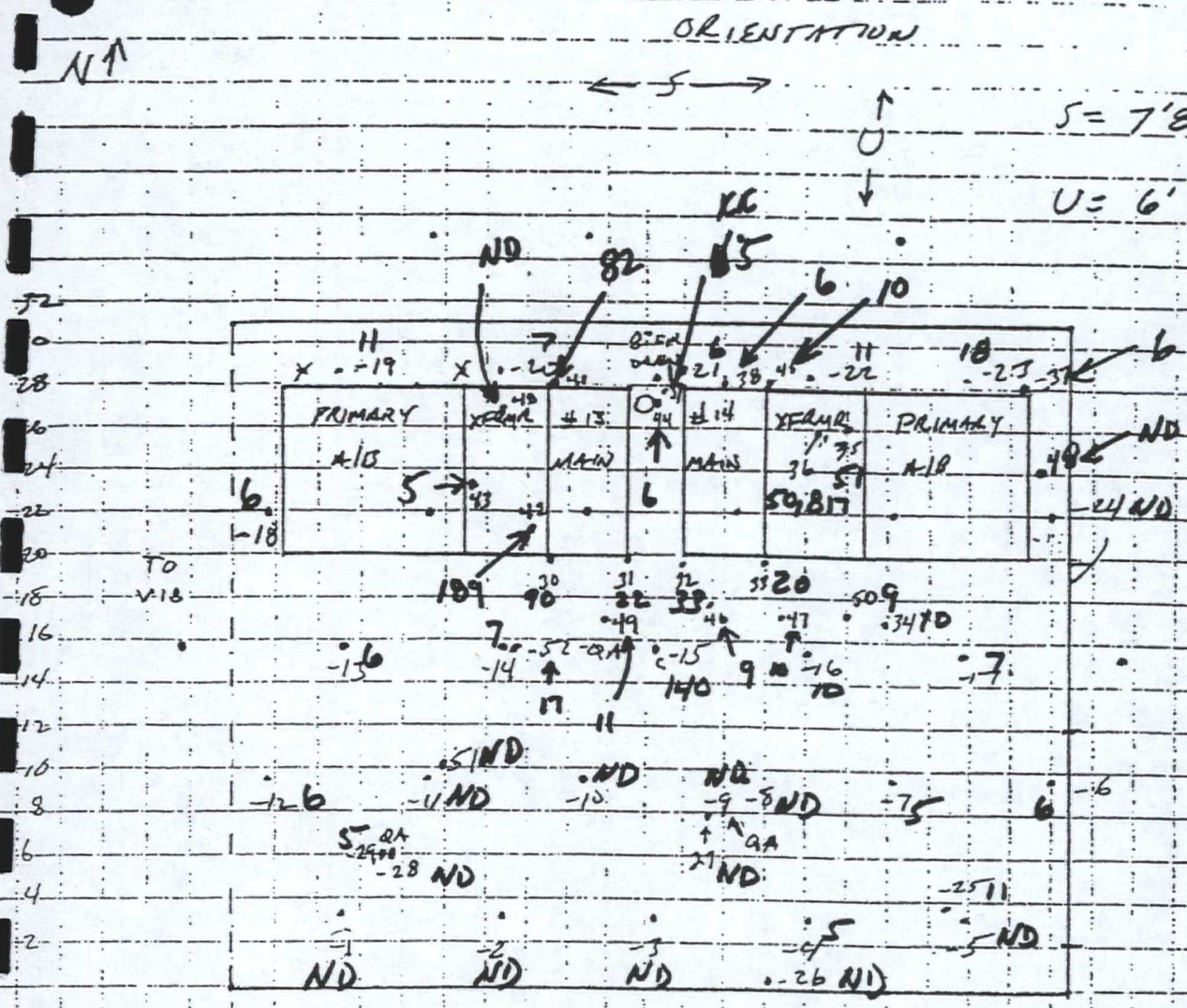
Notes:

Area 1	Total area encapsulated (square feet).
Area 2	Total area detergent washed (square feet).
Area 3	Total area solvent washed (square feet).
Area 4	Total area scarified (square feet).
Area 5	Total area excavated and rebuilt (square feet).
Result	Maximum concentration; units believed to be ug/100cm^2.
NR	Not Recorded.

ATTACHMENT A

FIELD SKETCHES FOR TRANSFORMER ROOM REMEDIATION PROGRAM

VAULT B/C4


ORIENTATION
N
S
U
S = 7'8"
U = 6' 7½"
PRIMARY
A-18
XFMR
#13
MAIN
#14
MAIN
XFMR
PRIMARY
A-18
TO
V-18
ND
82
15
6
10
6
ND
ND
ND

VAULT 15

N↑

Jim -

FYI

K. Kearney

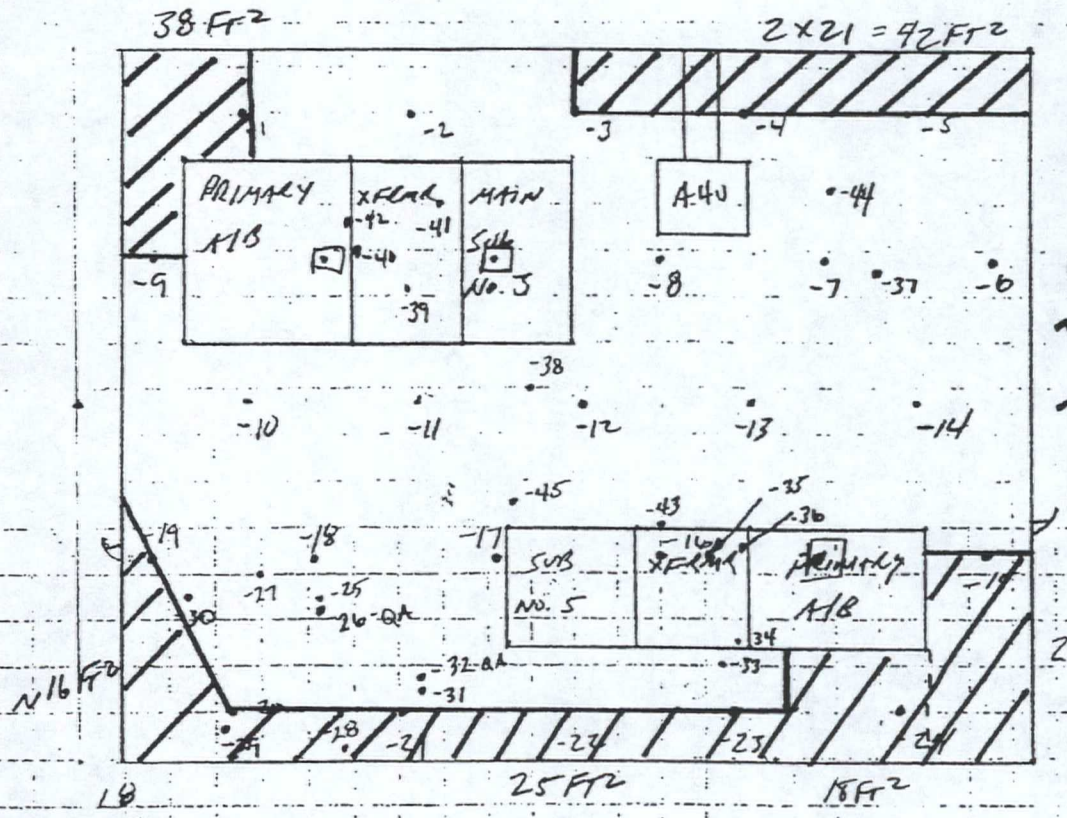
ORIENTATION

←S→

↑
U
↓

S = 15/16 in. = 7' 7 3/4"

U = 13/16 in. = 6' 7 1/2"



AREAS THAT DO NOT REQUIRE CLEANING

~~~148.5 FT²~~ KK

~166.5 FT²

18
38
42
16
25
27.5
166.5 FT²

10'

SAMPLE DATE
4/20/96

SAMPLES 1-24 on Grid
25-45 ARE SPOTS
26 & 32 ARE QA
46-47 Field blank
48 Lab blank
~~~

VAULT 15

N↑

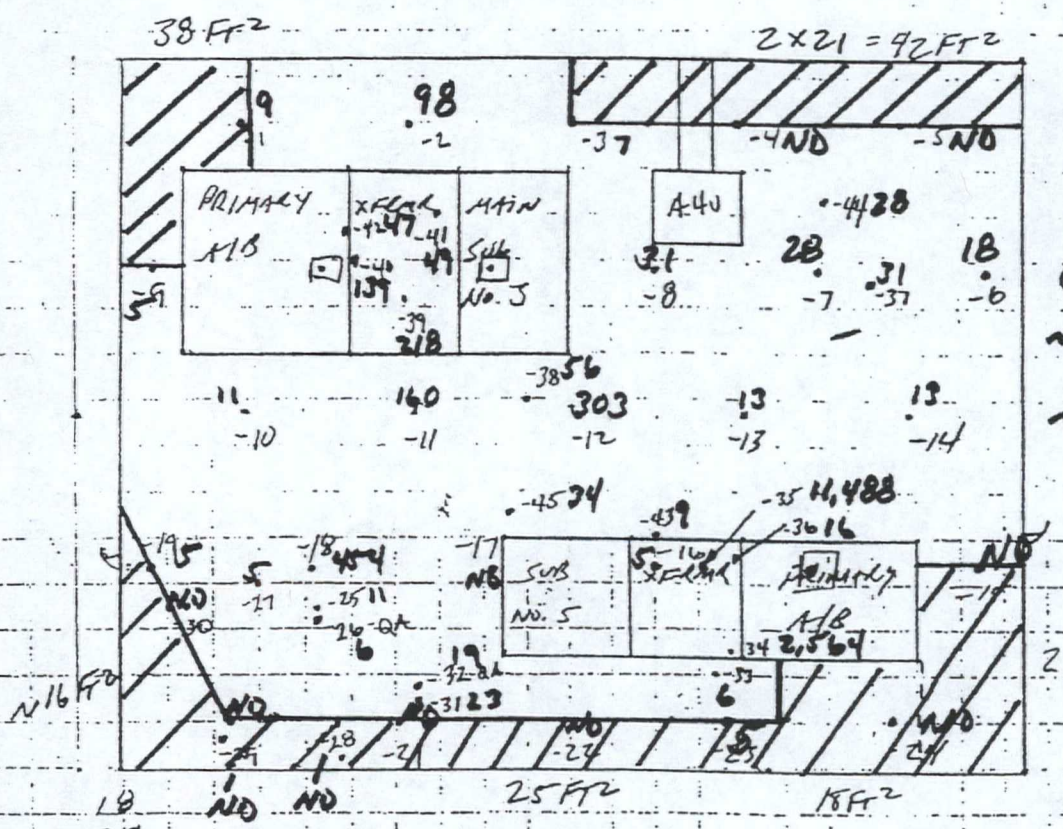
ORIENTATION

←S→

↑
U
↓

S = 15/16 in. = 7' 7 3/4"

U = 13/16 in. = 6' 7 1/2"



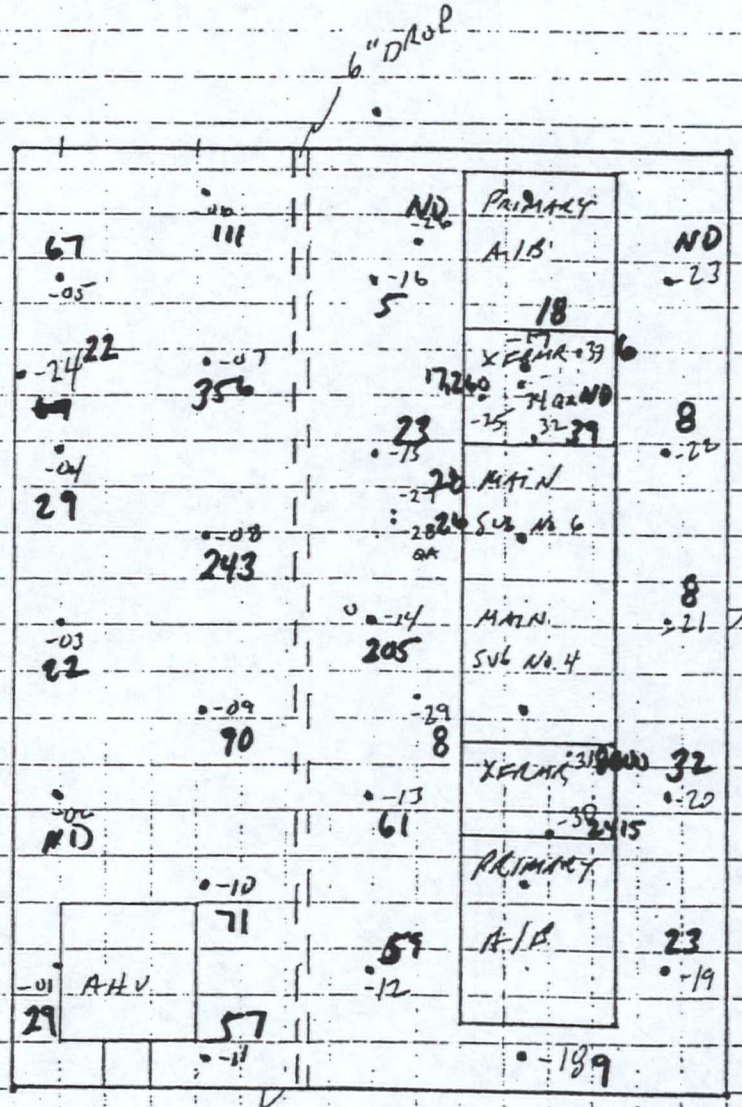
AREAS THAT DO NOT REQUIRE CLEANING

~~~448.5 FT²~~ KR

~166.5 FT²

18
38
42
16
25
27.5
166.5 FT²

10'

SAMPLE DATE
9/20/96

SAMPLES 1-24 on Grid
25-45 ARE SPOTS
26 & 32 ARE QA
46-47 Field blank
48 Lab blank
~~~

VAULT 16

ORIENTATION

N↑



SAMPLE DATE
7/20/91

SAMPLE NOS. 1-23 ON GRID
24-34 SPOTS / STAINS
35/36 - FIELD BLANKS
37 - LAB BLANK

10"

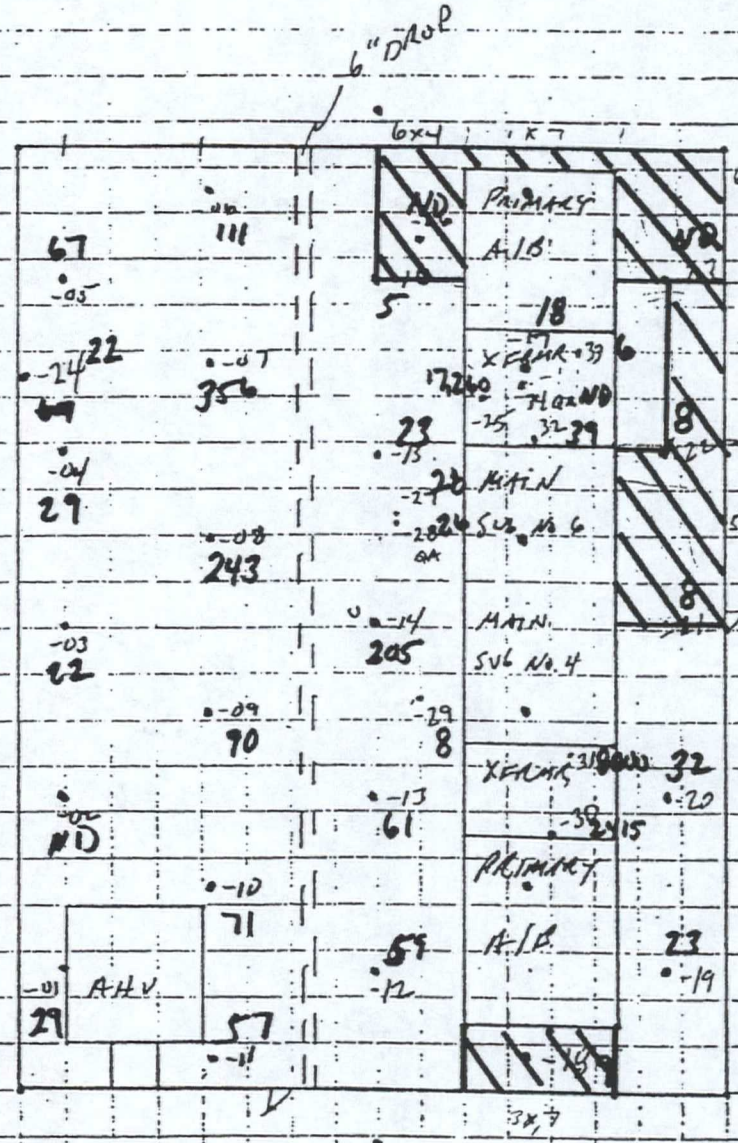
VAULT 16

ORIENTATION

N↑

↕ ←U→

AREAS THAT DO NOT REQUIRE SOLVENT WASH, OR OTHER REMEDIATION.



S = 15/16 IN = 7'9 9/16"

U = 13/16 IN = 6'9"

6x4 = 24
1x7 = 7
6x5 = 30
7x7 = 21
5x8 = 40
3x7 = 21
143 FT²

NOT INCLUDING SW FIREPLACE & AHU

SAMPLE DATE
7/20/91

SAMPLE NOS. 1-23 ON GRID
24-34 SPOTS / STAINS
35/36 - FIELD BLANKS
37 - LAB BLANK

10"

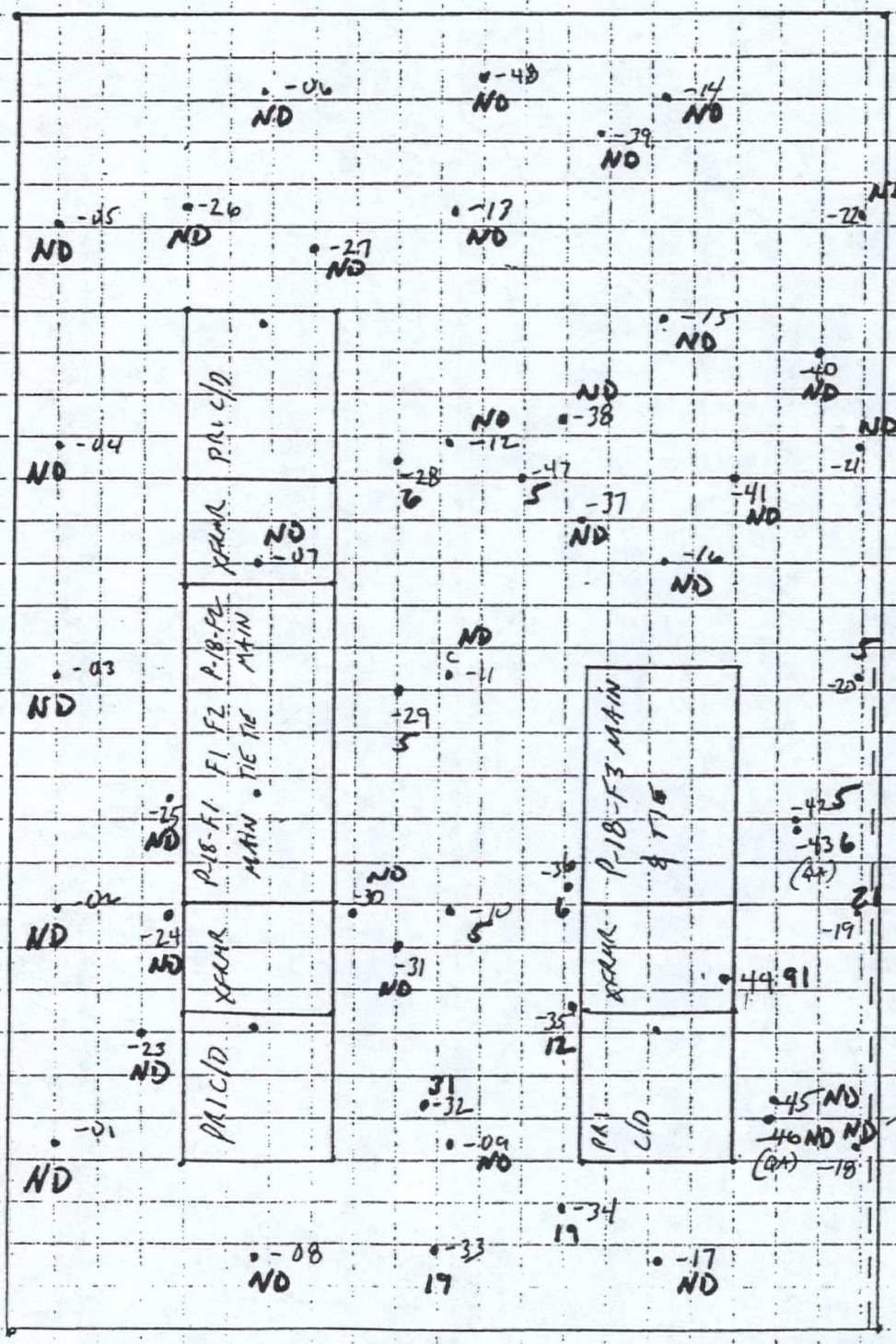
VAULT 18

ORIENTATION

N ↑

S ↓

← U →



L = 9 7/8 in = 75 ft

P = 4 11/16 = 37.5 ft

r = 37.5 ft

S = 1 3/8 IN = 11' 3"

U = 1 3/16 IN = 9' 9"

0 BEARING TO V-13/14

SAMPLE DATE

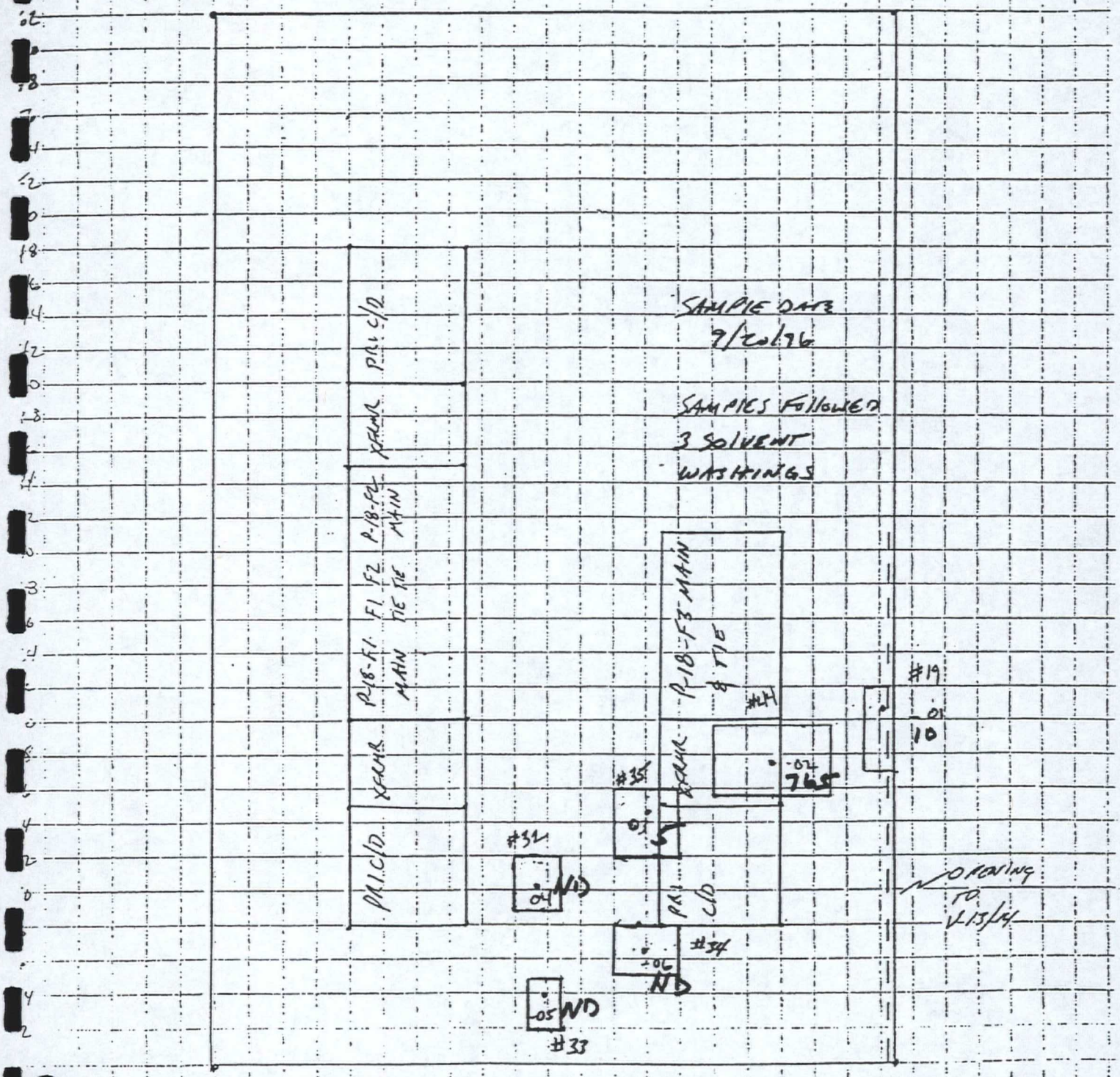
9/17/96

SAMPLES 1-22 ON GRID.

SAMPLES 23-48 ARE STATIC

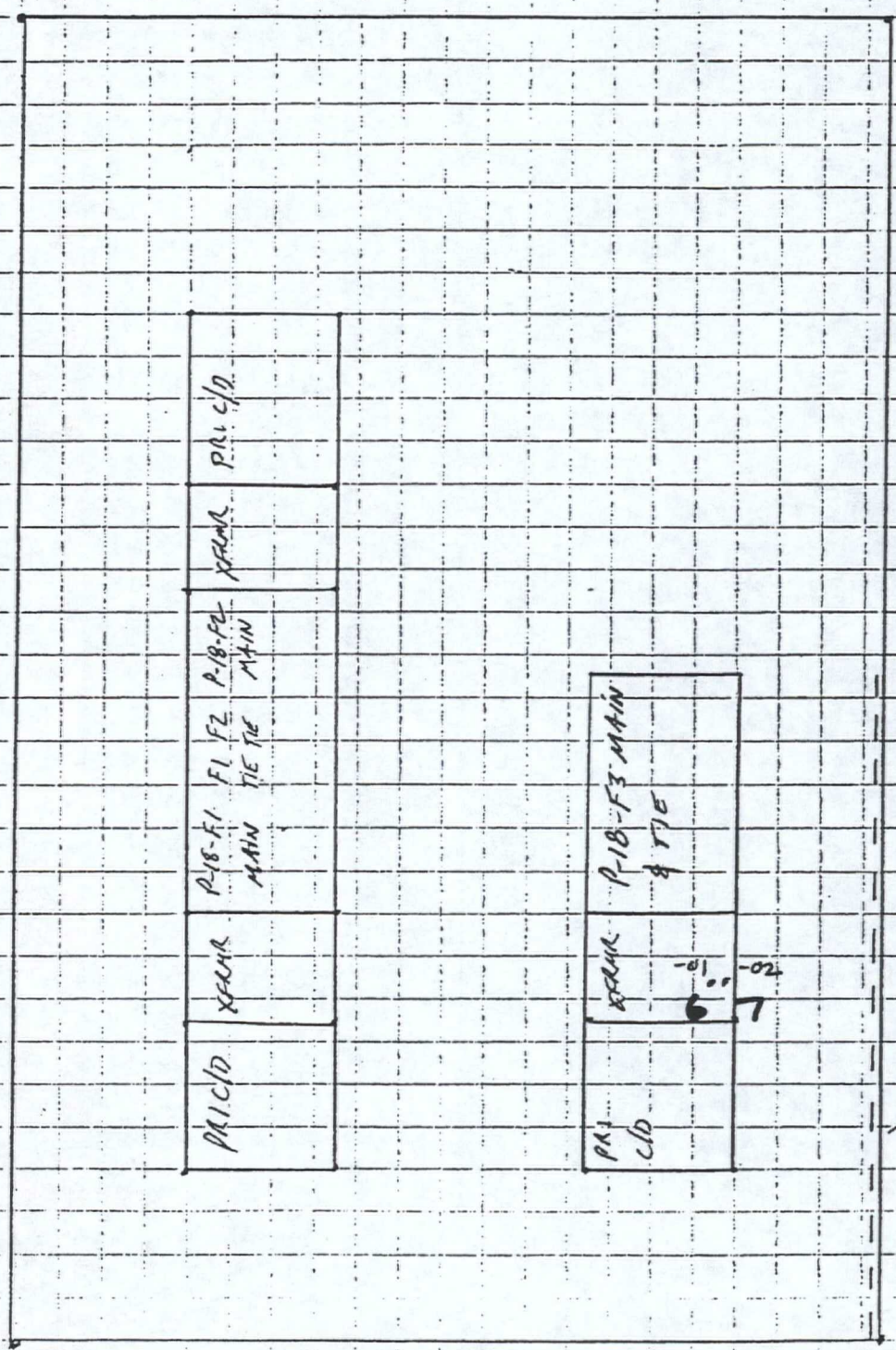
SAMPLES 43 & 46 ARE QA.

VAULT 18


N
PRI C/D
XFMR
P-18-F2 MAIN
F1 F2 TIE
P-18-F1 MAIN
XFMR
PRI C/D
SAMPLE DATE 9/20/96
SAMPLES FOLLOWED 3 SOLVENT WASHINGS
P-18-F3 MAIN & TIE
#14
-02 765
#19
-01 10
XFMR
#35
-03
#32
-04 ND
PRI C/D
#34
-06 ND
-05 ND
#33
OPENING TO V-13/14

VAULT 18

N↑



SAMPLE DATE
9/25/96

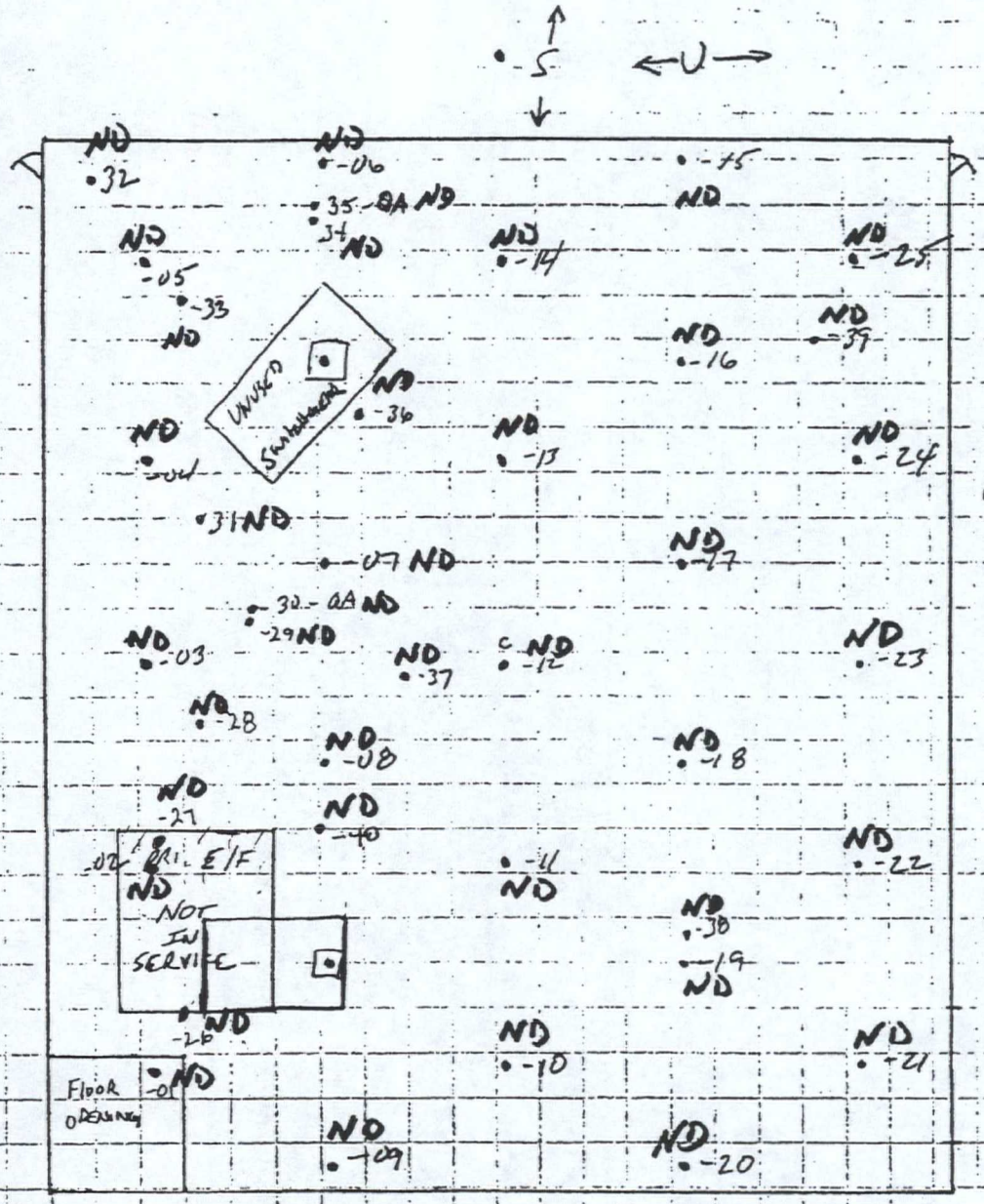
SAMPLES following Sertification

Moving to V-13/14

1720-9-25-18-01
-02
-03 Field Blank

VAULT 22

ORIENTATION



S = 1 1/8" ≈ 9'3 9/16"

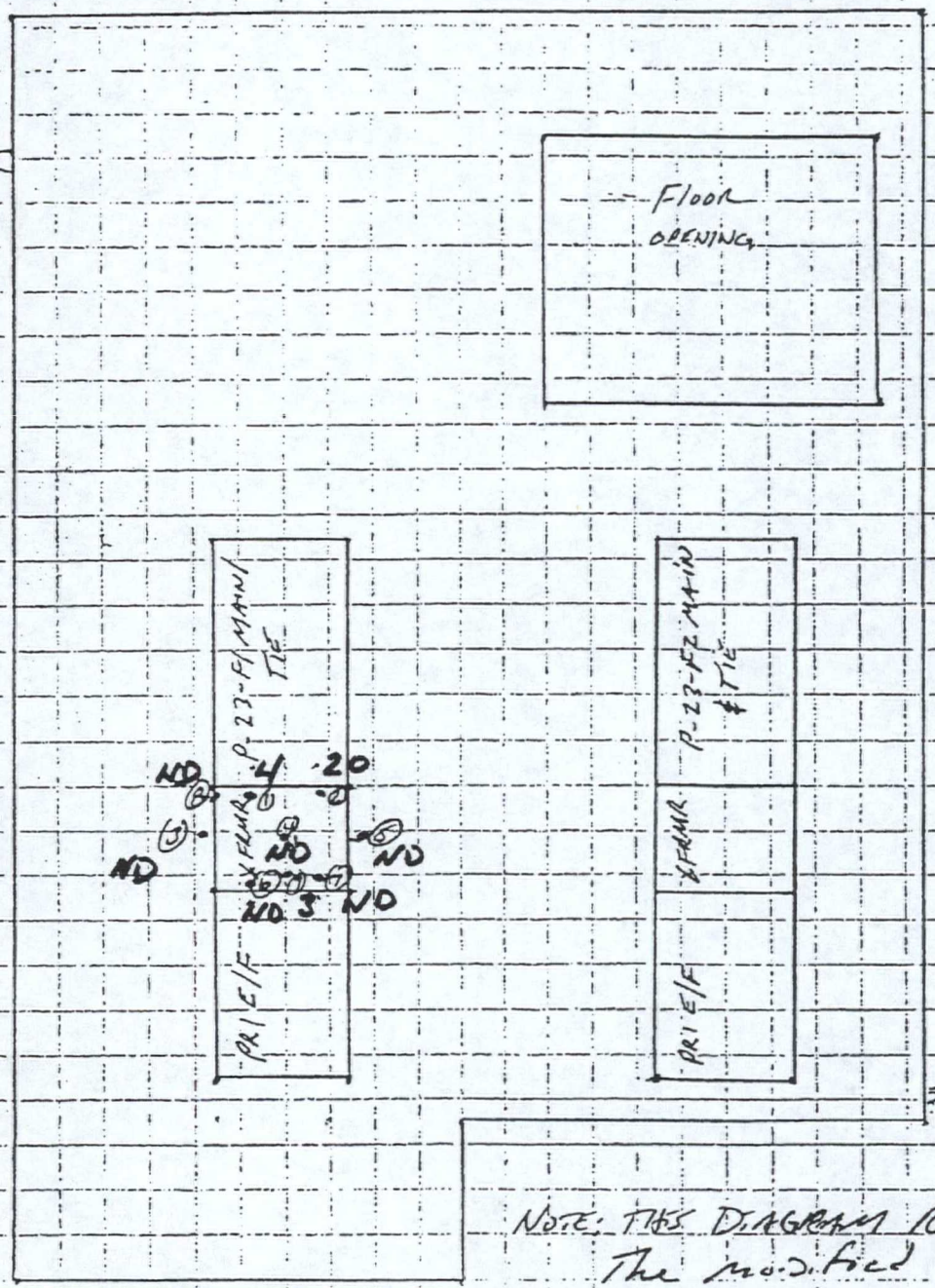
U = 1" ≈ 8'

NOTE: PRI E/F IS ACTUALLY AT 7 FT. EAST, AS SHOWN ON THIS DWG.

SAMPLE DATE
9/18/96

SAMPLES 1-25 ON GRID
SAMPLES 26-40 ALE STAINS/SPOTS
SAMPLES 30 & 35 ARE QA

VAULT 23



SAMPLE #8 IS 20" EAST OF SAMPLE #1.

SAMPLE #9 IS 18" N & 12.5' EAST

SAMPLE DATE 9/9/96

S = 3½ FT

U = 2.0 FT

NOTE: THIS DIAGRAM REFLECTS THE modified U PARAMETER, DESIGNED TO GET ADDITIONAL SAMPLE POINTS IN FURTHER

SAMPLES 8 & 9 WERE TAKEN OFF SPOTS ON FLOOR. SAMPLE 11 IS QA. INDICATE SAME AS NO. 9

10'

VAULT 23

ORIENTATION

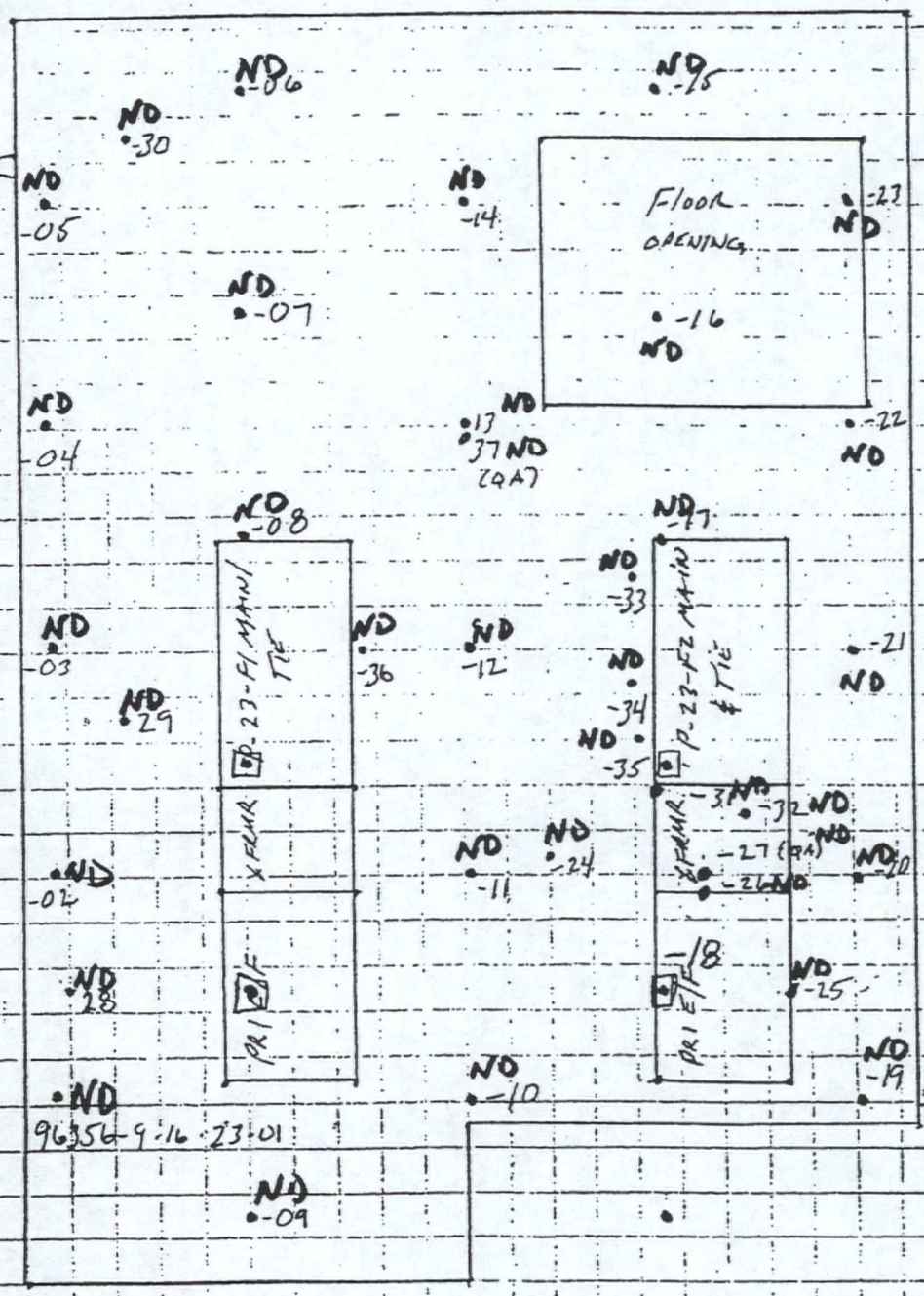
25

S ↑ ↓

← U →

S = 1 1/4 in. = 10' 4 5/8"

U = 1 1/8 in. = 8' 11 5/8"



SAMPLE DATE 9/16/96

1-27 Grid

24-37 SPOTS

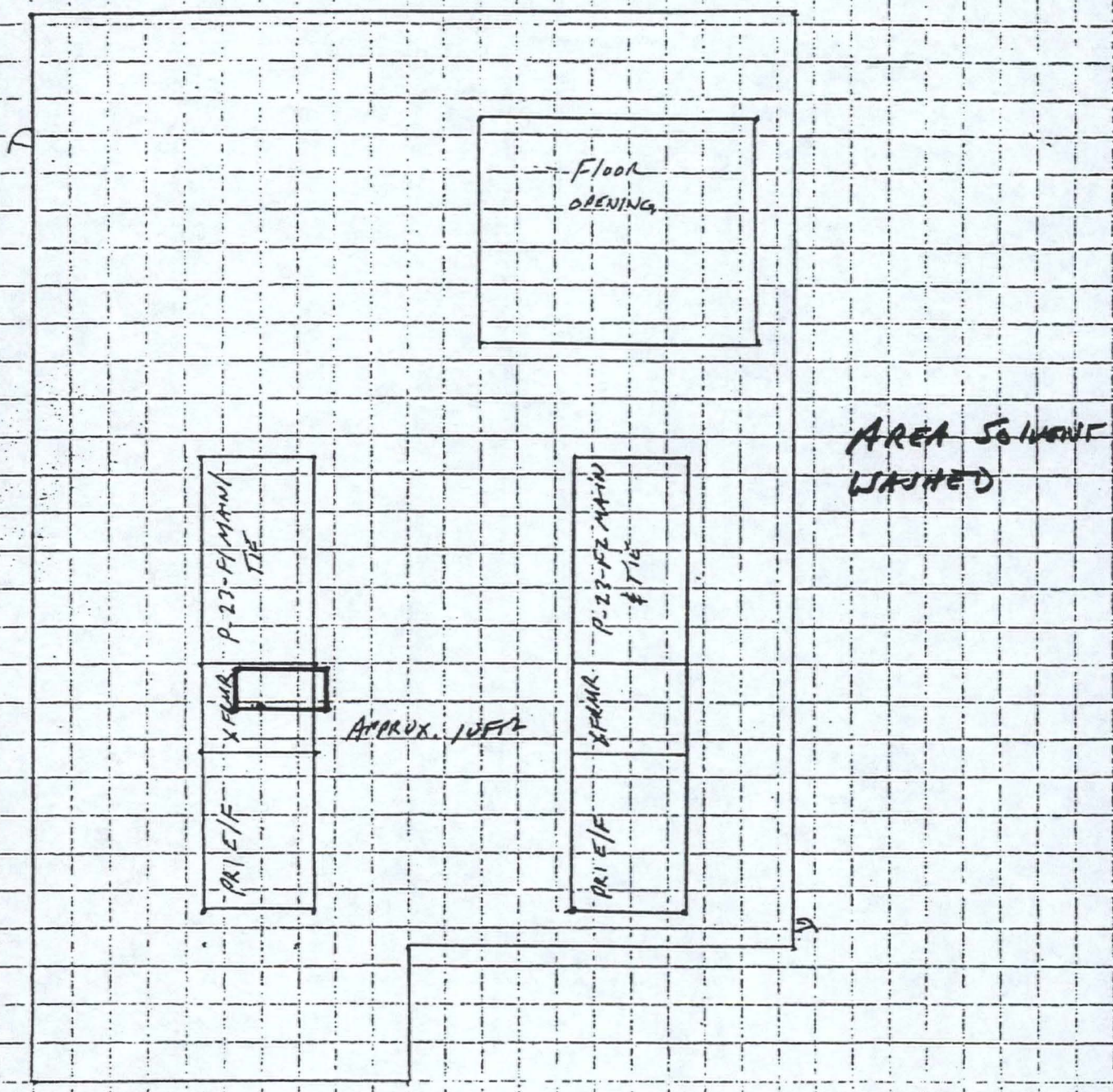
QA = 27 & 37 (27 S. of 1)

(37 W of 27). for same

Line

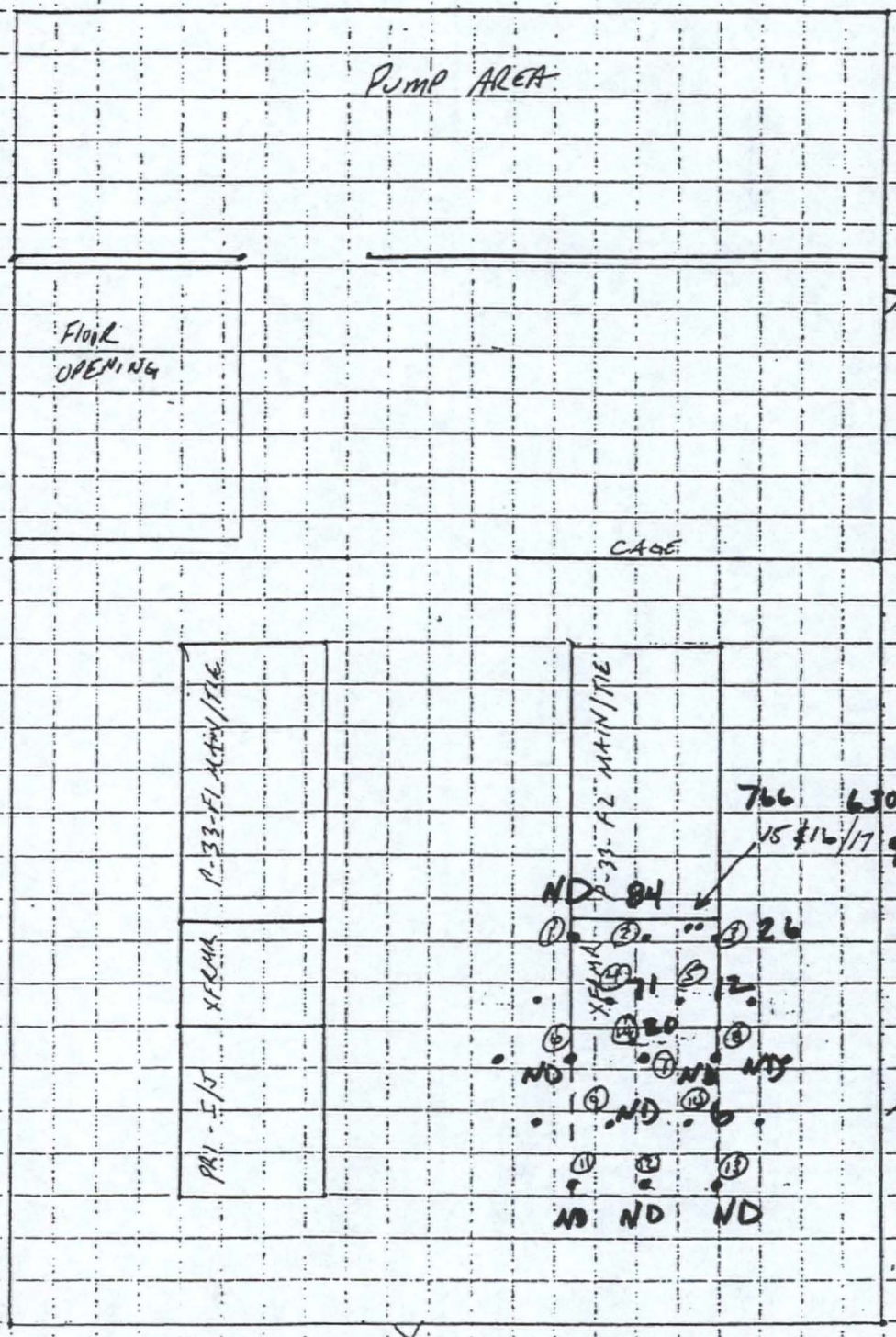
10'

VAULT 23


FLOOR OPENING
AREA SOLVENT WASHED
P-23-F1 MAIN TIE
X FRAME
PRI E/F
APPROX. 10FT
P-23-F2 MAIN TIE
X FRAME
PRI E/F
10'

VAULT 33

N↑



S = 3½ FT

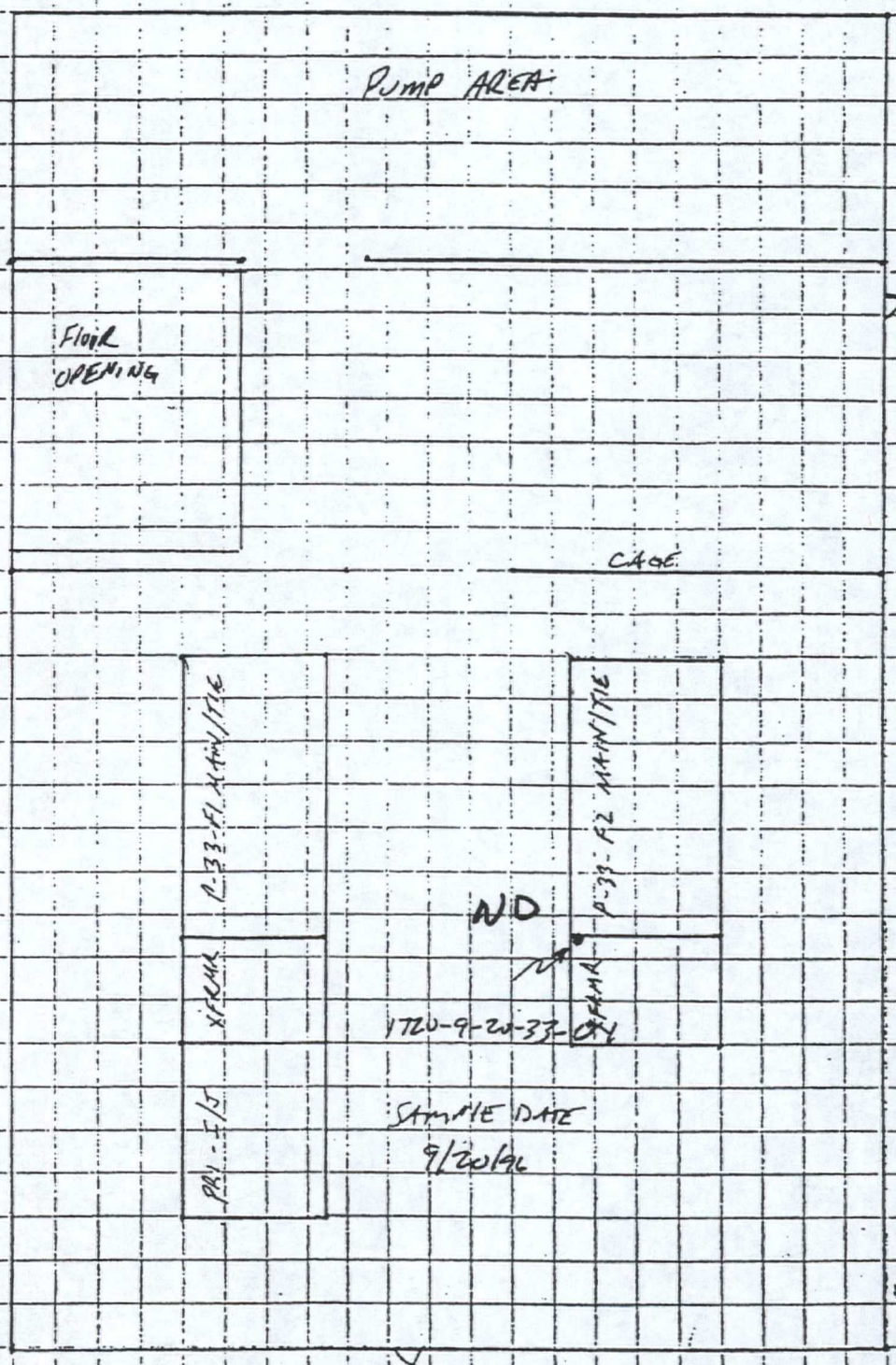
U = 37½ IN.

10'

NOTE: THOSE LOCATIONS NOT CIRCLED WERE OUTSIDE SAMPLE ZONE FOR FOOTPRINT OF TRANSFORMER & SWITCHGEAR. 14, 15 & 16 ARE SPOT TESTS; 17 IS QA

VAULT 33

N↑


PUMP AREA
FLOOR OPENING
CAGE
P-33-F1 MTN/TIE
P-33-F2 MTN/TIE
ND
XFRMR
1720-9-20-33-04
PRI-F/S
SAMPLE DATE
9/20/96

10'

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DRAFT MEMORANDUM

TO: Pam Barnett

REF. NO.: 12638/28/pw

FROM: Sylvie Eastman

DATE: January 12, 2005

C.C.: Jean Caufield (GM)
Laura Romeo/Terry Conway (GM)
Chuck Kronbach (GM)
Rich Kapuscinski (Environ)
Kevin Long (Environ)
Rob Wilhelm (H&A)
Christine Horch (H&A)
Ian Richardson (CRA)

RE: **Summary of Storm Sewer Sample Results**
Former Delphi Harrison Thermal Systems Facility - Dayton, Ohio

This memorandum presents a summary of storm sewer sample results to date. Water and/or sediment samples have been collected from the basement sump and manhole locations. Samples were collected during dry (no flow) conditions in April 2002 and during wet (flow) conditions in October 2004. A summary of constituents detected in sediment and water samples is presented in Table 1. A database figure representing the groundwater and sediment data from both 2002 and 2004 is presented on Figures 1a and 1b (PCB databoxes) and on Figures 2a and 2b (chlorinated volatile organic compounds (VOC) databoxes).

The April 2002 results were evaluated against risk-based screening criteria, and presented to USEPA and the City of Dayton. The primary constituents of concern in the sewers are PCBs and chlorinated VOCs (primarily PCE and TCE). PAHs and inorganics have also exceeded screening criteria in sediment and/or water samples, but these are generally more isolated exceedances. The October 2004 results have not yet been evaluated against risk-based screening criteria.

Summary of PCB Concentrations

PCBs were detected in most sediment samples in the 1 to 10 mg/kg range, and generally consisted of Aroclor-1242, 1248, 1254, and 1260; however, the same Aroclors were not necessarily detected in the April 2002 and October 2004 events. More elevated concentrations, in the 10 to 50 mg/kg range, were detected at MH-5 (NE corner of Bldg. 24), MH-15 (SE corner of Bldg. 15), MH-18 (S end of Taylor St.), MH-19 (S end of Taylor St.), and MH-25 (Taylor at Pitt St.). PCB concentrations above 50 mg/kg were identified in October 2004 samples only, at INT-8 (Pitt St.), MH-12 (inside Bldg. 15), MH-16 (inside Bldg. 15), and MH-37 (NE corner of Bldg. 12). The highest concentration was 1,900 mg/kg at MH-37.

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PCBs were generally not detected in water samples, and when detected, concentrations were generally below 1 μg/L. The only exception was at MH-12, where PCBs were detected at a concentration of 0.3 mg/L in a sample collected on October 13, 2004, and were not detected in a subsequent sample collected on October 15, 2004.

Summary of Chlorinated VOC concentrations

Chlorinated VOCs (generally PCE and TCE) were detected in sediment samples collected in April 2002 up to a maximum concentration of 5.6 mg/kg, for PCE at MH-18 (located at the S end of Taylor St.). Chlorinated VOCs were detected at similar concentrations in other manholes at the S end of Taylor St. This portion of sewer was cleaned in August 2004, and chlorinated VOC concentrations in the October 2004 sediment samples were approximately 2 to 3 orders of magnitude lower. MH-37 is the only location where chlorinated VOCs were detected above 1 mg/kg in October 2004; this manhole is located at the NE corner of Bldg. 15 and was not cleaned in August 2004.

Chlorinated VOCs were frequently detected in water samples, at maximum concentrations of 0.069 mg/L for PCE (BS-1 in 2004), 0.038/0.039 mg/L for TCE (MH-18 in 2004), 0.23 mg/L for cis-1,2-DCE (MH-18 in 2004), and 0.016 mg/L for vinyl chloride (MH-18 in 2004).

Based on comparison of the total concentrations in water to the TCLP limits (0.7 mg/L for PCE, 0.5 mg/L for TCE, and 0.2 mg/L for vinyl chloride), and in sediment to 20x TCLP limits, it is unlikely that the sewer water or sediment is hazardous.

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*	*BS-5*	*BS-6*	*BS-7*	*BS-7*
Sample ID:	*W-040902-SLE-011*	*W-040902-SLE-012*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*	*W-040902-SLE-013*	*W-041102-SLE-015*	*W-041102-SLE-017*	*SESS-101504-NZ-009*
Sample Date:	*4/9/2002*	*4/9/2002*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*	*4/9/2002*	*4/11/2002*	*4/11/2002*	*10/15/2004*
Sample Matrix:	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*SESS*
		Duplicate									
Parameters											
Metals (mg/kg or mg/L)											
Antimony	-	-	0.00024	0.00031	-	0.00058	-	-	-	-	113
Arsenic	-	-	0.0028	0.0028	-	-	-	-	-	-	30.3
Barium	0.10 J	0.10 J	0.11	0.069	0.081 J	0.038	0.025 J	0.046 J	0.026 J	0.067 J	901
Beryllium	-	-	-	-	-	-	-	-	-	-	0.19
Cadmium	-	-	0.0021	-	-	0.0018	-	-	-	0.078	868
Chromium Total	-	0.0084 J	0.0051	-	-	-	-	-	-	0.0046 J	172
Cobalt	-	-	-	-	-	-	-	-	0.0017 J	-	16.3
Copper	-	-	0.0040	0.0058	-	0.0043	0.064	0.0058 J	0.010 J	6.5	1960
Cyanide (total)	-	-	-	-	-	-	-	-	-	0.0019 J	1.2
Lead	-	-	-	-	-	-	0.011	-	0.0056	0.039	670
Manganese	-	-	0.012	0.10	0.015	0.12	0.064	-	0.16	0.17	1300
Mercury	-	-	-	-	-	-	-	-	-	0.00099	0.76
Nickel	-	-	0.0026	-	-	-	-	-	0.054	0.011 J	46.5
Selenium	-	-	-	-	-	-	-	-	-	-	3.2
Silver	-	-	-	-	-	-	-	-	-	-	3.7
Thallium	0.0067 J	0.0069 J	-	-	0.0095 J	-	0.0056 J	-	0.0054 J	0.0082 J	-
Vanadium	-	-	-	-	-	-	-	-	-	-	15.2
Zinc	0.038 J	0.018 J	-	0.023	0.016 J	0.031	0.082	0.063 J	0.064	2.9	4740
PCBs (ug/kg or ug/L)											
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	0.28	0.45	-	-	-	-	-	0.29	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	0.35	-	-	-	-	1400
Semi-Volatiles (ug/kg or ug/L)											
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	85
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	400
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	420
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	610
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	520
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	250
bis(2-Ethylhexyl)phthalate	-	-	1.0	1.1	7.2 J	1.3	-	-	-	-	1500
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	5.2 J	-	85
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	400
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	180
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	610
Fluorene	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	320
Naphthalene	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	290

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*	*BS-5*	*BS-6*	*BS-7*	*BS-7*
Sample ID:	*W-040902-SLE-011*	*W-040902-SLE-012*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*	*W-040902-SLE-013*	*W-041102-SLE-015*	*W-041102-SLE-017*	*SESS-101504-NZ-009*
Sample Date:	*4/9/2002*	*4/9/2002*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*	*4/9/2002*	*4/11/2002*	*4/11/2002*	*10/15/2004*
Sample Matrix:	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*WSS*	*SESS*
		Duplicate									
Parameters											
Phenol	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	520
Volatiles (ug/kg or ug/L)											
1,1,1-Trichloroethane	0.56 J	0.44 J	0.77	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.57 J	0.59 J	0.48	0.22	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	0.58
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	6.8 J	-
2-Hexanone	-	-	-	-	-	-	-	-	-	1.2 J	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	0.29 J	-
Acetone	-	-	-	-	-	1.5	-	-	-	25 J	5.3
Benzene	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	0.65 J	-
Chloroform (Trichloromethane)	1.3 J	1.3 J	1.4	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	1.0	-
cis-1,2-Dichloroethene	2.2	2.1	3.3	7.4	0.61	0.34	-	0.78	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	2.3	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	58	59	69	4.5	1.9	0.93	2.8	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	3.1	-	-
trans-1,2-Dichloroethene	0.69 J	0.71 J	-	-	-	-	-	-	-	-	-
Trichloroethene	16	16	26	1.6	0.65 J	2.5	0.82 J	0.44 J	-	-	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	14	-	-
General Chemistry (%)											
Total Solids	-	-	-	-	-	-	-	-	-	-	64.7

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*BS-7*	*BS-8*	*BS-8*	*BS-8*	*BS-8*	*BS-8*	*BS-9*	*BS-9*	*BS-9*	*BS-9*
Sample ID:	*WSS-101504-NZ-009*	*SE-041102-SLE-009*	*SE-041102-SLE-010*	*W-041102-SLE-019*	*SESS-101504-NZ-007*	*WSS-101504-NZ-007*	*SE-041102-SLE-011*	*W-041102-SLE-016*	*SESS-101504-NZ-008*	*WSS-101504-NZ-008*
Sample Date:	*10/15/2004*	*4/11/2002*	*4/11/2002*	*4/11/2002*	*10/15/2004*	*10/15/2004*	*4/11/2002*	*4/11/2002*	*10/15/2004*	*10/15/2004*
Sample Matrix:	*WSS*	*SESS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*
			Duplicate							
Parameters										
Metals (mg/kg or mg/L)										
Antimony	0.0021	15.4 J	14.9 J	0.023 J	66.2	0.0019	23.5	-	1.7	0.0027
Arsenic	-	35.3	36.6	-	14.9	0.0042	10.3	-	11.2	0.0058
Barium	0.052	1600	1850	0.21	7140	0.079	8290	0.084 J	283	0.097
Beryllium	-	-	-	-	-	-	-	-	-	-
Cadmium	0.036	871	944	0.15	15.2	0.00040	9.8	-	50.4	0.016
Chromium Total	-	296	279	0.020	208	-	106	-	311	0.019
Cobalt	-	18.1	19.1	0.0030 J	41.2	0.0012	12.1	-	11.3	0.0035
Copper	0.062	3140	3380	0.72	386	0.012	238	-	615	0.19
Cyanide (total)	-	2.2	1.7	0.0021 J	10.8	-	6.2	-	1.0	-
Lead	0.0045	1210	1170	0.24	1880	-	723	-	265	0.10
Manganese	0.074	1540	1960	0.21	957	0.16	839	0.0058 J	308	0.14
Mercury	-	1.5	1.3	0.00040	1.3	-	0.32	-	1.6	0.00028
Nickel	0.0087	74.5	51.9	0.0099 J	31.6	0.0041	32.7	-	111	0.018
Selenium	-	3.9 J	6.4	-	-	-	-	-	-	-
Silver	-	5.2	4.5	0.0054 J	1.3	-	4.7	-	2.2	0.00083
Thallium	-	-	-	0.0092 J	2.7	-	-	-	-	-
Vanadium	-	22.7 J	23.9 J	0.0041 J	13.8	-	23.3	-	8.6	0.0025
Zinc	0.17	6210	5760	1.2	11900	0.10	3750	0.095	1520	0.37
PCBs (ug/kg or ug/L)										
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	4200	740	-	7700	-	2500	-	2900	-
Aroclor-1260 (PCB-1260)	-	-	-	0.40	-	-	-	-	-	-
Semi-Volatiles (ug/kg or ug/L)										
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	990 J	580 J	-	630	-	320 J	-	-	-
Benzo(a)pyrene	-	1200 J	800 J	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	1500	1300 J	-	-	-	-	-	110	-
Benzo(g,h,i)perylene	-	690 J	590 J	-	1000	-	220 J	-	160	-
Benzo(k)fluoranthene	-	710 J	460 J	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	5.9	-	-	-	23000	-	7000 J	-	1400	-
Butyl benzylphthalate	-	-	-	-	-	-	390 J	-	-	-
Caprolactam	-	-	-	4.2 J	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-
Chrysene	-	1100 J	710 J	-	2700	-	1200 J	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	0.68 J	1000	-	610 J	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	1800	1000 J	-	1600	-	870	-	100	-
Fluorene	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	660 J	510 J	-	620	-	160 J	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	870 J	570 J	-	390	-	270 J	-	-	-

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*BS-7*	*BS-8*	*BS-8*	*BS-8*	*BS-8*	*BS-8*	*BS-9*	*BS-9*	*BS-9*	*BS-9*
Sample ID:	*WSS-101504-NZ-009*	*SE-041102-SLE-009*	*SE-041102-SLE-010*	*W-041102-SLE-019*	*SESS-101504-NZ-007*	*WSS-101504-NZ-007*	*SE-041102-SLE-011*	*W-041102-SLE-016*	*SESS-101504-NZ-008*	*WSS-101504-NZ-008*
Sample Date:	*10/15/2004*	*4/11/2002*	*4/11/2002*	*4/11/2002*	*10/15/2004*	*10/15/2004*	*4/11/2002*	*4/11/2002*	*10/15/2004*	*10/15/2004*
Sample Matrix:	*WSS*	*SESS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*
			Duplicate							
Parameters										
Phenol	-	-	-	-	-	-	-	-	-	-
Pyrene	-	1400	910 J	-	1300	-	570 J	-	120	-
Volatiles (ug/kg or ug/L)										
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	2.1	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	25	0.99	-	-	10	1.9
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	0.28	7.8 J	3.8	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	48	6.2	23	9.2	11	0.31
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	0.85 J	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	2.3	-
Tetrachloroethene	-	-	-	-	51	5.7	220	29	8.3	0.94
Toluene	-	-	-	4.9	-	-	-	-	0.91	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	12	0.74	14	2.1	9.7	0.30
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	4.3	-	-	-	-	-	-
General Chemistry (%)										
Total Solids	-	62.3	60.1	-	45.3	-	47.3	-	57.3	-

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*INT-5*	*INT-5*	*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-26/INT-6*	*INT-8*	*INT-8*	*INT-8*
Sample ID:	*W-040802-SLE-010*	*SESS-101304-NZ-001*	*WSS-101304-NZ-001*	*SE-040802-SLE-008*	*W-040802-SLE-009*	*SESS-101304-NZ-002*	*WSS-101304-NZ-002*	*SE-041102-SLE-013*	*W-041102-SLE-018*	*SESS-101504-NZ-002*
Sample Date:	*4/8/2002*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*4/11/2002*	*4/11/2002*	*10/15/2004*
Sample Matrix:	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*
Parameters										
Metals (mg/kg or mg/L)										
Antimony	-	1.8	0.0017	2.0 J	-	1.0	0.00056	1.6 J	-	1.4
Arsenic	-	5.4	-	8.3	-	8.0	-	13.0	0.0054 J	25.2
Barium	0.0099 J	36.4	0.022	121	0.0089 J	88.7	0.035	262	0.038 J	1320
Beryllium	-	-	-	0.59 J	-	0.17	-	-	-	0.35
Cadmium	-	17.2	0.0013	6.0	-	2.7	0.00083	6.1	-	35.9
Chromium Total	-	44.1	-	126	-	53.7	-	47.0	-	312
Cobalt	-	3.8	-	8.7 J	-	5.4	-	9.4 J	-	16.9
Copper	0.012 J	214	0.022	185	-	120	0.036	179	0.014 J	472
Cyanide (total)	-	0.55	-	6.5	-	1.5	-	0.68 J	-	2.9
Lead	0.0050	502	0.0059	343	-	202	0.0023	183	-	1370
Manganese	-	93.2	0.014	280	-	315	0.041	360	0.037	328
Mercury	-	0.11	-	0.53	-	0.37	-	0.72	-	8.8
Nickel	-	13.9	-	28.6	-	21.1	-	32.5	-	57.2
Selenium	-	0.81	-	2.9	-	1.3	-	-	-	-
Silver	-	0.68	-	0.81 J	-	0.62	-	0.87 J	-	3.2
Thallium	0.0054 J	1.1	-	-	-	1.5	-	-	0.0079 J	0.83
Vanadium	-	8.2	-	24.9	-	18.6	-	23.0	0.0013 J	22.7
Zinc	0.39	1790	0.25	2410	0.55	1290	0.43	1060	0.12	3040
PCBs (ug/kg or ug/L)										
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	27000
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	1000	-	-
Aroclor-1254 (PCB-1254)	-	-	-	280	-	120	-	-	-	27000
Aroclor-1260 (PCB-1260)	-	420	-	-	-	-	-	450	-	-
Semi-Volatiles (ug/kg or ug/L)										
2-Methylnaphthalene	-	-	-	-	-	570	-	-	-	-
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	240 J	-	1000	-	-	-	2500
Acenaphthylene	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	800 J	-	2000	-	-	-	5600
Benzo(a)anthracene	-	-	-	3000	-	7100	-	470 J	-	19000
Benzo(a)pyrene	-	-	-	3900	-	7200	-	710 J	-	14000
Benzo(b)fluoranthene	-	9600	-	4300	-	11000	-	1100 J	-	19000
Benzo(g,h,i)perylene	-	-	-	2400	-	5300	-	520 J	-	7600
Benzo(k)fluoranthene	-	-	-	2800	-	3000	-	390 J	-	8600
bis(2-Ethylhexyl)phthalate	-	-	1.2	7800	-	2400	1.2	-	-	27000
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	610 J	-	1500	-	-	-	3400
Chrysene	-	6300	-	3900	-	7700	-	780 J	-	18000
Dibenz(a,h)anthracene	-	-	-	700 J	-	1100	-	-	-	2500
Dibenzofuran	-	-	-	-	-	550	-	-	-	1400
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	7700	-	17000	-	1300 J	-	45000
Fluorene	-	-	-	230 J	-	1100	-	-	-	2700
Indeno(1,2,3-cd)pyrene	-	-	-	2400	-	4500	-	470 J	-	6700
Naphthalene	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	4000	-	10000	-	610 J	-	27000

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*INT-5*	*INT-5*	*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-26/INT-6*	*INT-8*	*INT-8*	*INT-8*
Sample ID:	*W-040802-SLE-010*	*SESS-101304-NZ-001*	*WSS-101304-NZ-001*	*SE-040802-SLE-008*	*W-040802-SLE-009*	*SESS-101304-NZ-002*	*WSS-101304-NZ-002*	*SE-041102-SLE-013*	*W-041102-SLE-018*	*SESS-101504-NZ-002*
Sample Date:	*4/8/2002*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*4/11/2002*	*4/11/2002*	*10/15/2004*
Sample Matrix:	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*
Parameters										
Phenol	-	-	-	-	-	-	-	-	-	-
Pyrene	-	7800	-	6200	-	14000	-	1000 J	-	36000
Volatiles (ug/kg or ug/L)										
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	33	-	22 J	-	5.7	-	31 J	-	30
2-Hexanone	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	-
Acetone	-	120	1.0	89 J	-	21	1.0	110 J	-	100
Benzene	-	-	-	-	-	0.62	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	2.8	0.23	3.9 J	0.64	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	12 J	-	-
Toluene	-	42	-	-	-	3.8	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	1.9	0.31	-	-	2.6	0.58	-	-	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	1.8	-	-	-	-
General Chemistry (%)										
Total Solids	-	41.5	-	39.7	-	46.4	-	39.6	-	43.3

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*INT-8*	*INT-8*	*INT-8*	*MH-72/INT-10*	*MH-72/INT-10*	*MH-72/INT-10*	*INT-11*	*INT-11*	*MH-5*	*MH-5*
Sample ID:	*SESS-101504-NZ-003*	*WSS-101504-NZ-002*	*WSS-101504-NZ-003*	*SE-041102-SLE-014*	*W-041102-SLE-021*	*SESS-101504-NZ-006*	*SESS-101504-NZ-005*	*WSS-101504-NZ-005*	*SESS-101304-NZ-018*	*WSS-101304-NZ-018*
Sample Date:	*10/15/2004*	*10/15/2004*	*10/15/2004*	*4/11/2002*	*4/11/2002*	*10/15/2004*	*10/15/2004*	*10/15/2004*	*10/13/2004*	*10/13/2004*
Sample Matrix:	*SESS*	*WSS*	*WSS*	*SESS*	*WSS*	*SESS*	*SESS*	*WSS*	*SESS*	*WSS*
	Duplicate		*Duplicate*							
Parameters										
Metals (mg/kg or mg/L)										
Antimony	3.1	0.00056	0.00060	2.4 J	-	1.0	1.1	0.00075	3.7	0.0056
Arsenic	17.7	0.0050	0.0040	4.9	-	5.3	5.7	-	10.8	-
Barium	445	0.031	0.032	174	0.048 J	125	274	0.084	352	0.045
Beryllium	-	-	-	-	-	0.040	-	-	0.15	-
Cadmium	14.4	0.0011	0.0011	2.0	-	1.8	2.5	0.00074	21.9	0.00091
Chromium Total	226	-	-	107	0.0079 J	93.1	34.4	0.0037	128	-
Cobalt	10.9	-	-	4.9 J	-	4.3	4.1	-	12.7	-
Copper	2530	0.030	0.032	164	0.029	128	126	0.017	1320	0.069
Cyanide (total)	1.5	0.0034	-	2.1	-	2.3	1.0	-	0.73	-
Lead	934	0.0029	0.0054	163	0.022	136	663	0.035	411	0.0029
Manganese	181	0.026	0.031	391	0.079	307	241	0.040	308	0.041
Mercury	0.92	-	-	0.092 J	-	0.079	0.68	0.000044	0.98	-
Nickel	37.9	0.0041	0.0063	41.3	0.0037 J	25.3	42.0	0.0042	70.4	-
Selenium	-	-	-	-	-	-	-	-	5.1	-
Silver	3.3	-	-	-	-	0.90	-	-	7.5	-
Thallium	-	-	-	-	-	1.7	1.0	-	1.8	-
Vanadium	30.1	0.00073	0.0011	13.5	0.0025 J	13.6	12.7	0.0022	21.6	-
Zinc	3510	0.14	0.19	609	0.14	625	705	0.17	2290	1.0
PCBs (ug/kg or ug/L)										
Aroclor-1242 (PCB-1242)	9600	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	0.47	-	-	-	-	-	13000	-
Aroclor-1254 (PCB-1254)	13000	-	-	160	-	310	2000	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles (ug/kg or ug/L)										
2-Methylnaphthalene	-	-	-	-	-	-	270	-	5000	-
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-
Acenaphthene	1800	-	-	-	-	560	450	-	21000	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-
Anthracene	3200	-	-	590 J	-	1400	1800	-	29000	-
Benzo(a)anthracene	9600	-	-	3100	-	5000	3000	-	33000	-
Benzo(a)pyrene	6700	-	-	4500	-	5300	2200	-	27000	-
Benzo(b)fluoranthene	10000	-	-	5900	-	8500	3500	-	39000	-
Benzo(g,h,i)perylene	4500	-	-	2600	-	3900	1600	-	15000	-
Benzo(k)fluoranthene	4700	-	-	3600	-	3700	1700	-	12000	-
bis(2-Ethylhexyl)phthalate	29000	-	-	-	-	4300	1600	-	9600	2.0
Butyl benzylphthalate	-	-	-	300 J	-	410	-	-	5000	-
Caprolactam	-	0.81	-	-	-	240	190	-	-	2.8
Carbazole	2300	-	-	740 J	-	1200	820	-	17000	-
Chrysene	9700	-	-	4100	-	6300	3200	-	35000	-
Dibenz(a,h)anthracene	1500	-	-	660 J	-	1000	440	-	3000	-
Dibenzofuran	1000	-	-	-	-	360	650	-	14000	-
Di-n-butylphthalate	-	-	-	3800	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	3300	-	-	-	-
Fluoranthene	25000	-	-	9100	-	15000	8400	-	110000	-
Fluorene	2000	-	-	290 J	-	690	780	-	22000	-
Indeno(1,2,3-cd)pyrene	3800	-	-	2600	-	3400	1300	-	14000	-
Naphthalene	370	-	-	-	-	-	800	-	7000	-
Phenanthrene	17000	-	-	5100	-	8200	6400	-	130000	-

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*INT-8*	*INT-8*	*INT-8*	*MH-72/INT-10*	*MH-72/INT-10*	*MH-72/INT-10*	*INT-11*	*INT-11*	*MH-5*	*MH-5*
Sample ID:	*SESS-101504-NZ-003*	*WSS-101504-NZ-002*	*WSS-101504-NZ-003*	*SE-041102-SLE-014*	*W-041102-SLE-021*	*SESS-101504-NZ-006*	*SESS-101504-NZ-005*	*WSS-101504-NZ-005*	*SESS-101304-NZ-018*	*WSS-101304-NZ-018*
Sample Date:	*10/15/2004*	*10/15/2004*	*10/15/2004*	*4/11/2002*	*4/11/2002*	*10/15/2004*	*10/15/2004*	*10/15/2004*	*10/13/2004*	*10/13/2004*
Sample Matrix:	*SESS*	*WSS*	*WSS*	*SESS*	*WSS*	*SESS*	*SESS*	*WSS*	*SESS*	*WSS*
	Duplicate		*Duplicate*							
Parameters										
Phenol	-	-	-	-	-	-	-	-	-	-
Pyrene	19000	-	-	7800	-	11000	6500	-	77000	-
Volatiles (ug/kg or ug/L)										
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	4.2	0.52	-	-	-	-	7.2	0.54	-	0.68
2-Hexanone	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	0.71 J	-	-	-	-	-
Acetone	16	3.5	2.9	-	16 J	-	31	3.6	-	2.5
Benzene	0.54	-	-	-	-	-	1.1	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	0.34	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	0.48	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	0.39	-	-
Ethylbenzene	1.5	-	-	-	0.49 J	-	-	-	3.3	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	2.1	3.6	-	-	-
Tetrachloroethene	-	0.28	0.24	-	-	-	-	-	52	-
Toluene	-	0.19	0.32	-	0.20 J	-	1.0	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	0.29	-	-	-	0.79	-	-	2.5	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	2.7	-	2.0	-	14	-
General Chemistry (%)										
Total Solids	51.2	-	-	76.3	-	78.7	55.5	-	41.4	-

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-6*	*MH-6*	*MH-7*	*MH-7*	*MH-7*	*MH-7*	*MH-8*	*MH-8*	*MH-8*	*MH-8*
Sample ID:	*SESS-101304-NZ-017*	*WSS-101304-NZ-017*	*SE-040402-SLE-001*	*W-040402-SLE-001*	*SESS-101304-NZ-016*	*WSS-101304-NZ-016*	*SE-040402-SLE-002*	*W-040402-SLE-002*	*SESS-101304-NZ-013*	*WSS-101304-NZ-013*
Sample Date:	*10/13/2004*	*10/13/2004*	*4/4/2002*	*4/4/2002*	*10/13/2004*	*10/13/2004*	*4/4/2002*	*4/4/2002*	*10/13/2004*	*10/13/2004*
Sample Matrix:	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*
Parameters										
Metals (mg/kg or mg/L)										
Antimony	9.8	0.013	-	-	-	0.0023	0.59 J	-	17.1	0.0021
Arsenic	5.5	-	7.0	-	3.7	0.0034	6.5	-	17.1	-
Barium	25.3	0.058	39.0	0.025 J	33.7	0.069	41.6	-	190	0.091
Beryllium	0.044	-	-	-	0.055	-	-	-	-	-
Cadmium	2.1	0.00096	0.54 J	-	0.37	0.0012	4.1	-	24.2	0.0017
Chromium Total	15.1	0.0027	12.4	-	7.9	0.0053	33.4	-	162	0.0072
Cobalt	2.7	-	2.8 J	-	2.7	0.0016	7.3	-	69.8	0.0023
Copper	47.5	0.14	27.0	0.015 J	26.2	0.10	153	-	4710	0.077
Cyanide (total)	-	-	-	-	-	-	0.29 J	-	-	-
Lead	44.5	0.0097	10.8	-	9.9	0.016	37.7	-	6670	0.041
Manganese	329	0.066	619	0.011 J	391	0.056	596	-	595	0.045
Mercury	-	-	0.17	-	-	0.000040	2.0	0.000093 J	8.9	0.00054
Nickel	7.0	-	8.5	-	5.6	0.0065	21.3	-	76.7	0.0039
Selenium	-	-	-	-	-	-	-	-	1.6	-
Silver	-	-	-	-	-	-	2.7	-	47.2	-
Thallium	-	-	-	-	0.97	-	-	-	-	0.000029
Vanadium	5.1	-	15.9	-	5.0	0.0018	6.1	-	32.6	0.0030
Zinc	2700	0.42	73.2	0.10	112	0.22	194	-	2070	0.29
PCBs (ug/kg or ug/L)										
Aroclor-1242 (PCB-1242)	-	-	-	0.27	-	-	-	0.22	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	190	-	180	-	270	-	240	-	920	0.28
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles (ug/kg or ug/L)										
2-Methylnaphthalene	850	-	-	-	-	-	270 J	-	100	-
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-
Acenaphthene	2600	-	-	-	-	-	560 J	-	370	-
Acenaphthylene	-	-	-	-	-	-	-	-	130	-
Acetophenone	-	-	-	-	-	0.59	-	-	-	-
Anthracene	2600	-	-	-	380	-	670 J	-	560	-
Benzo(a)anthracene	7000	-	150 J	-	700	-	1300	-	1600	-
Benzo(a)pyrene	6600	-	190 J	-	790	-	1200	-	1600	-
Benzo(b)fluoranthene	9000	-	240 J	-	1300	-	1700	-	3100	-
Benzo(g,h,i)perylene	4100	-	110 J	-	830	-	480 J	-	930	-
Benzo(k)fluoranthene	3900	-	160 J	-	440	-	790	-	490	-
bis(2-Ethylhexyl)phthalate	-	2.1	190 J	6.8 J	1300	4.2	4700	2.9 J	2900	4.0
Butyl benzylphthalate	-	-	-	-	1400	-	5600	-	-	-
Caprolactam	-	2.4	-	-	-	18	-	-	-	4.7
Carbazole	3200	-	-	-	-	-	780 J	-	520	-
Chrysene	7800	-	210 J	-	950	-	1600	-	1800	-
Dibenz(a,h)anthracene	1200	-	-	-	-	-	150 J	-	250	-
Dibenzofuran	1900	-	-	-	-	-	680 J	-	210	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	1400	-	-	-
Fluoranthene	23000	-	370 J	-	1700	-	3900	-	4600	-
Fluorene	2900	-	-	-	-	-	640 J	-	370	-
Indeno(1,2,3-cd)pyrene	3600	-	100 J	-	600	-	530 J	-	830	-
Naphthalene	1500	-	-	-	-	-	1100	-	-	-
Phenanthrene	23000	-	180 J	-	1200	-	6000	-	3500	-

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-6*	*MH-6*	*MH-7*	*MH-7*	*MH-7*	*MH-7*	*MH-8*	*MH-8*	*MH-8*	*MH-8*
Sample ID:	*SESS-101304-NZ-017*	*WSS-101304-NZ-017*	*SE-040402-SLE-001*	*W-040402-SLE-001*	*SESS-101304-NZ-016*	*WSS-101304-NZ-016*	*SE-040402-SLE-002*	*W-040402-SLE-002*	*SESS-101304-NZ-013*	*WSS-101304-NZ-013*
Sample Date:	*10/13/2004*	*10/13/2004*	*4/4/2002*	*4/4/2002*	*10/13/2004*	*10/13/2004*	*4/4/2002*	*4/4/2002*	*10/13/2004*	*10/13/2004*
Sample Matrix:	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*
Parameters										
Phenol	-	-	-	-	-	0.79	-	-	170	-
Pyrene	16000	-	280 J	-	1400	-	3700	-	3000	-
Volatiles (ug/kg or ug/L)										
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	0.58	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	1.1 J	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	0.64	-	0.57 J	-	1.1	-	0.50 J	-	0.74
2-Hexanone	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	0.47
Acetone	-	1.9	-	-	-	4.5	-	-	-	3.1
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	0.92	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	66 J	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	430	0.60 J	-	-	36	3.0	8.2	-
Toluene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.96	-	-	-	-	-	-	-	-	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-
General Chemistry (%)										
Total Solids	82.8	-	82.2	-	85.6	-	83.9	-	85.5	-

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-9*	*MH-9*	*MH-9*	*MH-9*	*MH-9*	*MH-11*	*MH-11*	*MH-11*	*MH-11*	*MH-11*
Sample ID:	*SE-040502-SLE-003*	*W-040502-SLE-003*	*SESS-101304-NZ-012*	*WSS-101304-NZ-012*	*WSS-101504-NZ-012*	*SE-040502-SLE-004*	*W-040502-SLE-004*	*SESS-101304-NZ-011*	*WSS-101304-NZ-011*	*WSS-101504-NZ-011*
Sample Date:	*4/5/2002*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*10/15/2004*	*4/5/2002*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*10/15/2004*
Sample Matrix:	*SESS*	*WSS*	*SESS*	*WSS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*WSS*
Parameters										
Metals (mg/kg or mg/L)										
Antimony	-	-	1.4	0.0020	0.00065	-	-	0.70	0.0013	0.00055
Arsenic	4.9 J	-	20.0	-	-	3.9	-	7.5	-	-
Barium	88.7	0.024 J	327	0.095	0.042	117	0.024 J	95.2	0.049	0.052
Beryllium	-	-	0.49	-	-	-	-	-	-	-
Cadmium	4.9	-	8.2	0.0018	0.0012	5.0	-	3.5	0.0011	-
Chromium Total	17.6	-	79.2	0.010	-	14.5	-	30.4	0.0030	-
Cobalt	4.8 J	-	27.9	0.0033	0.0012	5.7 J	-	6.5	-	-
Copper	191	0.013 J	8740	0.12	0.034	126	0.011 J	244	0.037	0.0088
Cyanide (total)	-	0.0017 J	0.63	0.0040	-	0.36 J	0.0031 J	0.54	-	-
Lead	62.9	-	3140	0.057	0.0049	60.7	-	153	0.014	-
Manganese	513 J	0.015	600	0.12	0.31	248	-	396	0.034	0.015
Mercury	0.63	-	5.7	0.00053	-	0.81	-	1.5	0.00015	-
Nickel	7.5 J	0.0045 J	66.1	0.0045	0.0048	15.8	-	19.3	-	0.0057
Selenium	-	-	2.0	-	-	-	-	-	-	-
Silver	0.28 J	-	7.0	-	-	-	-	1.3	-	-
Thallium	-	-	1.4	-	-	-	-	-	-	-
Vanadium	5.5 J	-	21.2	0.0030	-	10.7	-	12.0	0.00088	-
Zinc	249 J	0.11	1740	0.30	0.071	411 J	0.10	429	0.14	0.044
PCBs (ug/kg or ug/L)										
Aroclor-1242 (PCB-1242)	-	0.30	1400	-	-	-	0.33	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	1.7	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	1100	-	4600	-	-	-	-	1300	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles (ug/kg or ug/L)										
2-Methylnaphthalene	-	-	-	-	-	-	-	1400	-	-
4-Nitrophenol	-	-	-	-	-	-	2.3 J	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-
Anthracene	300 J	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	860 J	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	870 J	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1000 J	-	2100	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	700 J	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	600 J	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	380 J	-	12000	11	1.5	-	-	7500	11	-
Butyl benzylphthalate	270 J	-	18000	-	-	-	-	-	-	-
Caprolactam	-	-	-	4.1	-	-	-	-	-	-
Carbazole	290 J	-	-	-	-	-	-	-	-	-
Chrysene	1100 J	-	1800	-	-	-	-	860	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	3900	-	-
Di-n-octyl phthalate	-	-	7100	-	-	-	-	2400	-	-
Fluoranthene	2200	-	2500	-	-	-	-	1300	-	-
Fluorene	-	-	-	-	-	-	-	2100	-	-
Indeno(1,2,3-cd)pyrene	610 J	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
Phenanthrene	2000	-	-	-	-	-	-	5600	-	-

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-9*	*MH-9*	*MH-9*	*MH-9*	*MH-9*	*MH-11*	*MH-11*	*MH-11*	*MH-11*	*MH-11*
Sample ID:	*SE-040502-SLE-003*	*W-040502-SLE-003*	*SESS-101304-NZ-012*	*WSS-101304-NZ-012*	*WSS-101504-NZ-012*	*SE-040502-SLE-004*	*W-040502-SLE-004*	*SESS-101304-NZ-011*	*WSS-101304-NZ-011*	*WSS-101504-NZ-011*
Sample Date:	*4/5/2002*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*10/15/2004*	*4/5/2002*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*10/15/2004*
Sample Matrix:	*SESS*	*WSS*	*SESS*	*WSS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*WSS*
Parameters										
Phenol	-	-	-	-	-	-	-	-	-	-
Pyrene	1800 J	-	2700	-	-	-	-	1900	-	-
Volatiles (ug/kg or ug/L)										
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	0.47 J	-	0.75	-	-	-	-	0.81	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	0.38	-	-	-	9.7	-	-
Acetone	-	-	9.4	3.0	3.3	-	-	44	2.7	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	8.4	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	7.3	-	0.86	2.8 J	27	230	2.7	2.5
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-
Methyl acetate	420 J	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	5.7	-	-	-	-	-	-	0.37
Tetrachloroethene	3700	1.1	130	0.35	13	20	11	550	0.78	0.25
Toluene	-	-	-	-	-	-	-	4.7	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	76 J	0.19 J	12	-	2.8	2.9 J	5.4	130	0.59	0.52
Vinyl chloride	-	-	-	-	-	-	0.65 J	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-
General Chemistry (%)										
Total Solids	84.6	-	61.2	-	-	77.1	-	89.0	-	-

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-12*	*MH-12*	*MH-12*	*MH-14*	*MH-14*	*MH-14*	*MH-15*	*MH-16*	*MH-18*	*MH-18*
Sample ID:	*SESS-101304-NZ-010*	*WSS-101304-NZ-010*	*WSS-101504-NZ-010*	*SE-040502-SLE-005*	*W-040502-SLE-005*	*WSS-101304-NZ-007*	*SESS-101304-NZ-008*	*SESS-101304-NZ-009*	*SE-040502-SLE-006*	*W-040502-SLE-006*
Sample Date:	*10/13/2004*	*10/13/2004*	*10/15/2004*	*4/5/2002*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/5/2002*	*4/5/2002*
Sample Matrix:	*SESS*	*WSS*	*WSS*	*SESS*	*WSS*	*WSS*	*SESS*	*SESS*	*SESS*	*WSS*
Parameters										
Metals (mg/kg or mg/L)										
Antimony	2.2	0.019	0.00025	5.8 J	-	0.0019	3.0	6.2	1.3 J	-
Arsenic	19.4	0.098	-	16.5 J	-	-	18.8	24.1	9.9 J	-
Barium	105	1.3	0.059	194	0.027 J	0.067	826	1780	345	0.030 J
Beryllium	0.53	0.0051	-	-	-	-	-	0.18	0.48 J	-
Cadmium	53.4	0.56	0.00042	8.0	-	0.0018	30.7	62.5	5.9	-
Chromium Total	460	3.6	-	107	0.0018 J	0.0019	230	471	52.6	-
Cobalt	20.3	0.18	-	17.4 J	-	-	22.3	14.9	14.2 J	0.0017 J
Copper	1210	12.5	0.015	5570	-	0.047	868	2760	508	0.022 J
Cyanide (total)	0.62	-	-	0.72	0.0017 J	-	0.76	0.69	2.9	-
Lead	500	5.4	0.0048	482	-	0.013	918	1930	210	0.0087
Manganese	831	7.3	0.046	2390 J	0.013 J	0.067	1460	1510	2270 J	0.052
Mercury	14.7	0.095	-	6.5	-	0.000079	1.9	12.4	16.9	-
Nickel	76.1	0.47	-	58.6 J	-	0.0030	75.1	231	29.6 J	-
Selenium	-	0.0077	-	-	-	-	2.0	-	-	-
Silver	39.9	0.55	-	2.0	-	-	3.1	13.1	1.2 J	-
Thallium	-	0.0015	-	-	-	-	-	-	-	-
Vanadium	15.2	0.15	-	8.3	0.00094 J	0.00083	42.2	26.3	8.8	-
Zinc	2950	32.2	0.079	2070 J	0.11	0.22	1750	2450	612 J	0.11
PCBs (ug/kg or ug/L)										
Aroclor-1242 (PCB-1242)	-	-	-	-	0.30	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	0.21
Aroclor-1254 (PCB-1254)	54000	300	-	2400	-	-	20000	340000	18000	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles (ug/kg or ug/L)										
2-Methylnaphthalene	470	-	-	-	-	-	-	-	300 J	-
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-
Acenaphthene	1100	-	-	110 J	-	-	-	-	990 J	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-
Anthracene	2000	-	-	390	-	-	-	650	2400	-
Benzo(a)anthracene	8300	-	-	830	-	-	4200	2800	4600	-
Benzo(a)pyrene	9000	-	-	900	-	-	3800	3000	4300	-
Benzo(b)fluoranthene	13000	-	-	980	-	-	7600	4300	5200	-
Benzo(g,h,i)perylene	7200	-	-	760	-	-	6900	6600	3000	-
Benzo(k)fluoranthene	3700	-	-	500	-	-	3200	1400	2600	-
bis(2-Ethylhexyl)phthalate	3100	-	-	720	-	1.3	220000	13000	3900	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	320 J	-
Caprolactam	-	-	-	-	-	-	-	-	-	-
Carbazole	1400	-	-	96 J	-	-	-	290	1800 J	-
Chrysene	8700	-	-	860	-	-	5200	3100	5300	-
Dibenz(a,h)anthracene	1500	-	-	170 J	-	-	-	1000	930 J	-
Dibenzofuran	420	-	-	69 J	-	-	-	-	820 J	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-
Fluoranthene	22000	-	-	1900	-	-	6200	3300	11000	-
Fluorene	910	-	-	150 J	-	-	-	-	1500 J	-
Indeno(1,2,3-cd)pyrene	6000	-	-	660	-	-	4000	3600	2800	-
Naphthalene	-	-	-	-	-	-	-	-	510 J	-
Phenanthrene	11000	-	-	1400	-	-	-	1500	9600	-

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-12*	*MH-12*	*MH-12*	*MH-14*	*MH-14*	*MH-14*	*MH-15*	*MH-16*	*MH-18*	*MH-18*
Sample ID:	*SESS-101304-NZ-010*	*WSS-101304-NZ-010*	*WSS-101504-NZ-010*	*SE-040502-SLE-005*	*W-040502-SLE-005*	*WSS-101304-NZ-007*	*SESS-101304-NZ-008*	*SESS-101304-NZ-009*	*SE-040502-SLE-006*	*W-040502-SLE-006*
Sample Date:	*10/13/2004*	*10/13/2004*	*10/15/2004*	*4/5/2002*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/5/2002*	*4/5/2002*
Sample Matrix:	*SESS*	*WSS*	*WSS*	*SESS*	*WSS*	*WSS*	*SESS*	*SESS*	*SESS*	*WSS*
Parameters										
Phenol	-	-	-	-	-	-	-	-	-	-
Pyrene	16000	-	-	1600 J	-	-	6600	3800	8000 J	-
Volatiles (ug/kg or ug/L)										
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	0.57	-	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	-
Acetone	-	2.2	0.94	-	19	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	3.9	-	-	-	-	-	-	-
Bromoform	-	-	1.4	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	5.2	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	700	42	190	-	-	220 J	0.61
Dibromochloromethane	-	-	3.8	-	-	-	-	-	-	-
Ethylbenzene	3.6	0.67	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-
Methylene chloride	4.3	-	-	-	-	-	7.3	4.4	-	-
Tetrachloroethene	3.7	-	-	1700	12	59	1.7	-	5600	1.2
Toluene	1.3	0.56	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	2.7 J	-	-	-	-	-	-
Trichloroethene	10	0.71	-	330 J	7.0	32	-	-	810	0.29 J
Vinyl chloride	-	-	-	-	0.94 J	14	-	-	-	-
Xylene (total)	19	3.6	-	-	-	-	-	-	-	-
General Chemistry (%)										
Total Solids	63.6	-	-	85.2	-	-	75.4	79.9	69.3	-

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-18*	*MH-18*	*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-19*	*MH-19*	*MH-25*	*MH-25*
Sample ID:	*SESS-101304-NZ-005*	*SESS-101304-NZ-006*	*WSS-101304-NZ-005*	*WSS-101304-NZ-006*	*SE-040802-SLE-007*	*W-040802-SLE-007*	*SESS-101304-NZ-004*	*WSS-101304-NZ-004*	*W-040802-SLE-008*	*SESS-101304-NZ-003*
Sample Date:	*10/13/2004*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*
Sample Matrix:	*SESS*	*SESS*	*WSS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*WSS*	*SESS*
		Duplicate		*Duplicate*						
Parameters										
Metals (mg/kg or mg/L)										
Antimony	1.5	0.77	0.0022	0.0024	3.4 J	-	0.79	0.0020	-	5.6
Arsenic	10.6	6.7	-	-	10.1	-	9.4	-	-	13.2
Barium	87.3	86.4	0.087	0.082	161	0.029 J	95.7	0.059	0.062 J	469
Beryllium	0.046	-	-	-	-	-	59.6	-	-	0.34
Cadmium	8.4	7.1	0.0021	0.0020	8.0	-	13.6	0.0012	-	13.4
Chromium Total	53.0	116	0.0041	0.0033	168	0.0030 J	36.5	0.0033	-	283
Cobalt	6.6	7.0	-	0.0010	12.6	-	11.9	-	-	22.7
Copper	4730	403	0.081	0.078	509	0.014 J	4270	0.061	-	767
Cyanide (total)	0.26	0.26	-	-	1.7	-	0.41	-	0.0022 J	1.5
Lead	368	124	0.023	0.020	710	0.0060	176	0.018	-	1260
Manganese	649	1020	0.13	0.15	1530	0.015	961	0.023	-	693
Mercury	18.8	23.9	0.0011	0.0015	5.0	-	2.5	0.00067	-	22.8
Nickel	25.5	27.6	0.0046	0.0038	35.6	-	28.6	-	-	47.8
Selenium	-	-	-	-	-	0.0051	-	-	0.0061	0.64
Silver	4.1	1.9	-	-	2.8	-	4.2	-	-	5.1
Thallium	1.1	0.82	-	-	-	-	0.72	-	-	1.9
Vanadium	9.2	10.3	0.0014	0.0012	11.3	0.0016 J	10.5	0.00097	-	23.2
Zinc	1320	479	0.23	0.22	686	0.066	752	0.15	-	1550
PCBs (ug/kg or ug/L)										
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	11000	12000	-	-	5100	0.11 J	12000	1.1	-	15000
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles (ug/kg or ug/L)										
2-Methylnaphthalene	77	120	-	-	-	-	120	-	-	2400
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-
Acenaphthene	88	-	-	-	-	-	-	-	-	5300
Acenaphthylene	41	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	0.49	0.55	-	-	-	-	-	-
Anthracene	160	82	-	-	-	-	-	-	-	5900
Benzo(a)anthracene	710	280	-	-	290 J	-	180	-	-	15000
Benzo(a)pyrene	630	330	-	-	380 J	-	280	-	-	13000
Benzo(b)fluoranthene	1200	530	-	-	560 J	-	480	-	-	20000
Benzo(g,h,i)perylene	540	360	-	-	290 J	-	320	-	-	10000
Benzo(k)fluoranthene	460	160	-	-	230 J	-	200	-	-	7100
bis(2-Ethylhexyl)phthalate	1200	1400	4.7	4.2	7800	-	3800	3.1	-	30000
Butyl benzylphthalate	-	-	-	-	340 J	-	-	-	-	100000
Caprolactam	-	-	4.2	-	-	-	-	2.1	-	-
Carbazole	120	-	-	-	-	-	-	-	-	5600
Chrysene	820	330	-	-	390 J	-	280	-	-	17000
Dibenz(a,h)anthracene	130	-	-	-	-	-	-	-	-	2100
Dibenzofuran	57	-	-	-	-	-	-	-	-	3900
Di-n-butylphthalate	18	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1800	590	-	-	610 J	-	390	-	-	40000
Fluorene	94	-	-	-	-	-	-	-	-	6300
Indeno(1,2,3-cd)pyrene	77	230	-	-	270 J	-	220	-	-	8300
Naphthalene	100	-	-	-	-	-	-	-	-	-
Phenanthrene	910	390	-	-	420 J	-	270	-	-	43000

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-18*	*MH-18*	*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-19*	*MH-19*	*MH-25*	*MH-25*
Sample ID:	*SESS-101304-NZ-005*	*SESS-101304-NZ-006*	*WSS-101304-NZ-005*	*WSS-101304-NZ-006*	*SE-040802-SLE-007*	*W-040802-SLE-007*	*SESS-101304-NZ-004*	*WSS-101304-NZ-004*	*W-040802-SLE-008*	*SESS-101304-NZ-003*
Sample Date:	*10/13/2004*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*
Sample Matrix:	*SESS*	*SESS*	*WSS*	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*WSS*	*SESS*
		Duplicate		*Duplicate*						
Parameters										
Phenol	170	-	-	-	-	-	-	-	-	-
Pyrene	1100	550	-	-	670 J	-	360	-	-	31000
Volatiles (ug/kg or ug/L)										
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	0.67
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	0.53 J	-	0.61	-	8.0
2-Hexanone	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	2.6	-	33
Benzene	-	-	-	-	-	-	-	-	-	0.69
Bromodichloromethane	-	-	-	-	-	-	-	-	2.3	-
Bromoform	-	-	-	-	-	-	-	-	1.4	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	3.0	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	7.3	4.5	230	230	240	-	-	0.48	0.78	-
Dibromochloromethane	-	-	-	-	-	-	-	-	2.8	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	3.0
Methyl acetate	-	-	-	-	200 J	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	1.0
Methylene chloride	-	-	-	-	110 J	-	-	-	-	-
Tetrachloroethene	11	2.0	64	62	2600	0.34 J	10	0.24	2.4	-
Toluene	-	-	-	-	-	-	-	-	-	28
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	3.1	0.84	39	38	390	-	0.59	-	0.47 J	-
Vinyl chloride	-	-	16	16	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	1.7
General Chemistry (%)										
Total Solids	82.1	82.1	-	-	86.5	-	89.3	-	-	51.4

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

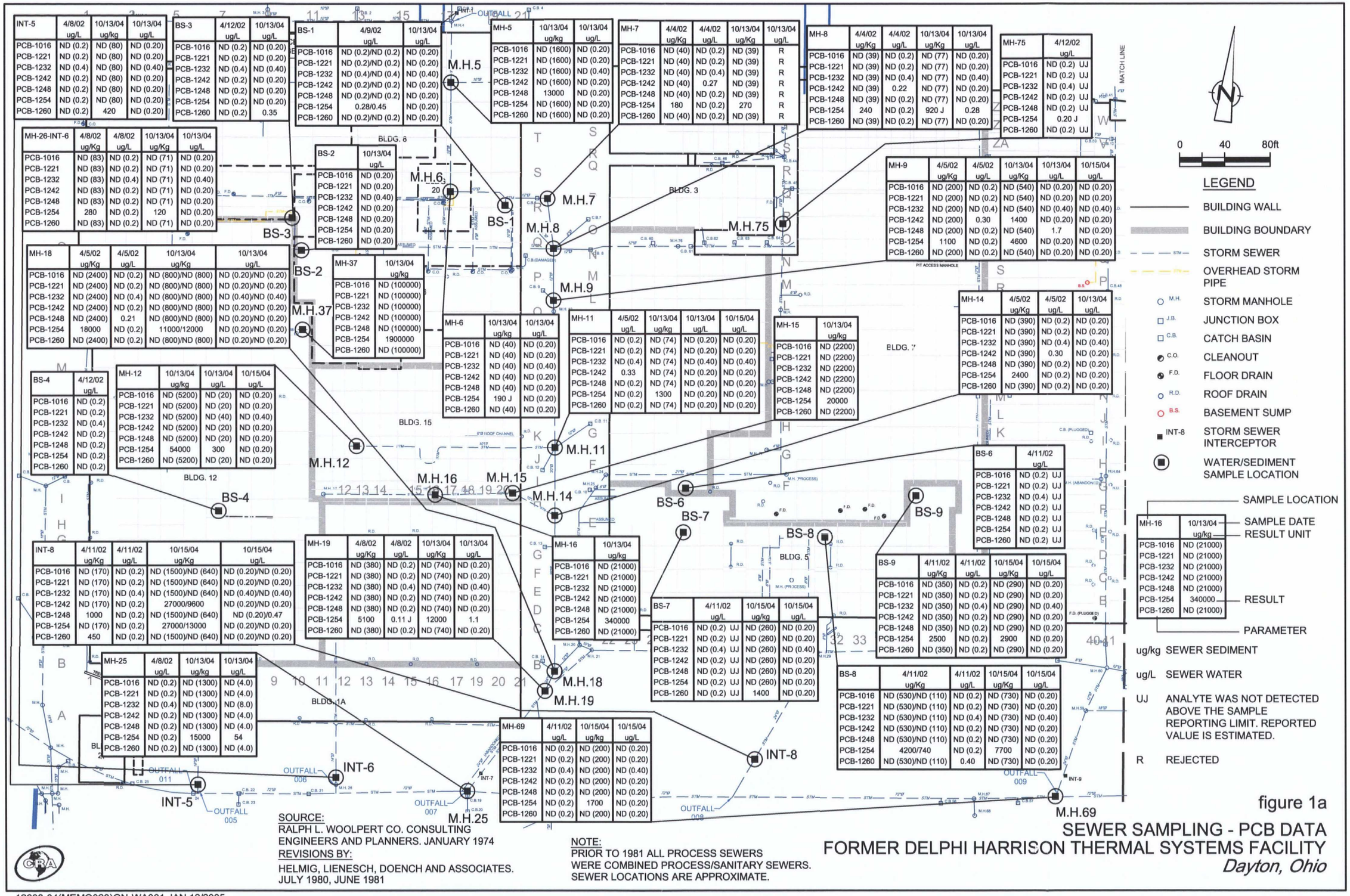
Sample Location:	*MH-25*	*MH-37*	*MH-69*	*MH-69*	*MH-69*	*MH-75*				
Sample ID:	*WSS-101304-NZ-003*	*SESS-101304-NZ-022*	*W-041102-SLE-020*	*SESS-101504-NZ-004*	*WSS-101504-NZ-004*	*W-041202-SLE-025*				
Sample Date:	*10/13/2004*	*10/13/2004*	*4/11/2002*	*10/15/2004*	*10/15/2004*	*4/12/2002*				
Sample Matrix:	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*WSS*				
Parameters							*Min Value*	*Min Value Location*	*Max Value*	*Max Value Location*
Metals (mg/kg or mg/L)										
Antimony	0.0022	6.4	-	0.90	0.00018	-	0.00018	MH-69	113	BS-7
Arsenic	0.0075	48.0	-	5.0	-	-	0.0028	BS-1	48	MH-37
Barium	0.21	450	0.062 J	114	0.031	0.077 J	0.0089	MH-26/INT-6	8290	BS-9
Beryllium	-	-	-	-	-	-	0.0051	MH-12	59.6	MH-19
Cadmium	0.0077	93.1	-	0.99	-	-	0.0004	BS-8	944	BS-8
Chromium Total	0.035	802	-	19.5	-	0.0071 J	0.0018	MH-14	802	MH-37
Cobalt	0.012	29.1	-	3.0	-	-	0.001	MH-18	69.8	MH-8
Copper	0.29	3000	-	45.5	0.0046	0.028	0.004	BS-1	8740	MH-9
Cyanide (total)	-	2.1	-	0.23	-	-	0.0017	MH-9	10.8	BS-8
Lead	0.20	2400	0.0045	1330	-	0.026	0.0023	MH-26/INT-6	6670	MH-8
Manganese	0.91	1460	0.0099 J	357	0.0012	0.029	0.0012	MH-69	2390 J	MH-14
Mercury	0.0059	5.8	-	0.087	-	-	0.00004	MH-7	23.9	MH-18
Nickel	0.025	320	-	13.6	0.0031	0.0035 J	0.0026	BS-1	320	MH-37
Selenium	-	3.3	-	-	-	-	0.0051	MH-19	6.4	BS-8
Silver	0.0012	49.3	-	-	-	-	0.00083	BS-9	49.3	MH-37
Thallium	0.00014	-	0.0073 J	0.93	-	-	0.000029	MH-8	2.7	BS-8
Vanadium	0.016	28.4	-	10.1	-	0.0027 J	0.00073	INT-8	42.2	MH-15
Zinc	1.1	1800	0.025	334	0.031	0.49	0.016	BS-3	11900	BS-8
PCBs (ug/kg or ug/L)										
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	0.22	MH-8	27000	INT-8
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	0.21	MH-18	13000	MH-5
Aroclor-1254 (PCB-1254)	54	1900000	-	1700	-	0.20 J	0.11	MH-19	1900000	MH-37
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	0.35	BS-3	1400	BS-7
Semi-Volatiles (ug/kg or ug/L)										
2-Methylnaphthalene	-	2200	-	93	-	-	77	MH-18	5000	MH-5
4-Nitrophenol	-	-	-	-	-	-	2.3	MH-11	2.3 J	MH-11
Acenaphthene	-	-	-	210	-	-	88	MH-18	21000	MH-5
Acenaphthylene	-	-	-	-	-	-	41	MH-18	130	MH-8
Acetophenone	-	-	-	-	-	-	0.49	MH-18	0.59	MH-7
Anthracene	-	-	-	660	-	-	82	MH-18	29000	MH-5
Benzo(a)anthracene	1.4	-	-	1400	-	-	1.4	MH-25	33000	MH-5
Benzo(a)pyrene	1.5	-	-	1200	-	-	1.5	MH-25	27000	MH-5
Benzo(b)fluoranthene	2.4	-	-	1800	-	-	2.4	MH-25	39000	MH-5
Benzo(g,h,i)perylene	1.1	-	-	840	-	-	1.1	MH-25	15000	MH-5
Benzo(k)fluoranthene	0.79	-	-	900	-	-	0.79	MH-25	12000	MH-5
bis(2-Ethylhexyl)phthalate	8.7	-	-	1000	-	3.7 J	1	BS-1	220000	MH-15
Butyl benzylphthalate	-	-	-	180	-	-	180	MH-69	100000	MH-25
Caprolactam	-	-	-	77	-	3.9 J	0.81	INT-8	240	MH-72/INT-10
Carbazole	-	-	-	400	-	-	96	MH-14	17000	MH-5
Chrysene	2.2	-	-	1600	-	-	2.2	MH-25	35000	MH-5
Dibenz(a,h)anthracene	-	-	-	230	-	-	130	MH-18	3000	MH-5
Dibenzofuran	-	-	-	230	-	-	57	MH-18	14000	MH-5
Di-n-butylphthalate	-	-	-	92	-	-	0.68	BS-8	3900	MH-11
Di-n-octyl phthalate	-	-	-	-	-	-	1400	MH-8	7100	MH-9
Fluoranthene	2.9	1400	-	3900	-	-	2.9	MH-25	110000	MH-5
Fluorene	-	-	-	300	-	-	94	MH-18	22000	MH-5
Indeno(1,2,3-cd)pyrene	0.89	-	-	730	-	-	0.89	MH-25	14000	MH-5
Naphthalene	-	-	-	220	-	-	100	MH-18	7000	MH-5
Phenanthrene	1.6	2600	-	2800	-	-	1.6	MH-25	130000	MH-5

TABLE 1

ANALYTICAL RESULTS SUMMARY - DETECTS ONLY
STORM SEWER SEDIMENT AND WATER DATA 2002-2004
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
DAYTON, OHIO

Sample Location:	*MH-25*	*MH-37*	*MH-69*	*MH-69*	*MH-69*	*MH-75*				
Sample ID:	*WSS-101304-NZ-003*	*SESS-101304-NZ-022*	*W-041102-SLE-020*	*SESS-101504-NZ-004*	*WSS-101504-NZ-004*	*W-041202-SLE-025*				
Sample Date:	*10/13/2004*	*10/13/2004*	*4/11/2002*	*10/15/2004*	*10/15/2004*	*4/12/2002*				
Sample Matrix:	*WSS*	*SESS*	*WSS*	*SESS*	*WSS*	*WSS*				
Parameters							*Min Value*	*Min Value Location*	*Max Value*	*Max Value Location*
Phenol	-	-	-	-	-	-	0.79	MH-7	170	MH-8
Pyrene	2.2	1800	-	2900	-	-	2.2	MH-25	77000	MH-5
Volatiles (ug/kg or ug/L)										
1,1,1-Trichloroethane	-	-	-	-	-	-	0.44	BS-1	0.77	BS-1
1,1-Dichloroethane	-	-	-	-	-	-	0.22	BS-2	0.59 J	BS-1
1,2,4-Trichlorobenzene	-	-	-	-	-	0.35 J	0.35	MH-75	0.58	MH-7
1,4-Dichlorobenzene	-	-	-	-	-	-	0.58	BS-7	1.1 J	MH-8
2-Butanone (Methyl Ethyl Ketone)	0.65	-	-	-	-	1.2 J	0.47	MH-9	33	INT-5
2-Hexanone	-	-	-	-	-	-	1.2	BS-7	1.2 J	BS-7
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	0.29	BS-7	9.7	MH-11
Acetone	3.1	-	-	6.6	1.0	19 J	0.94	MH-12	120	INT-5
Benzene	-	-	-	-	-	-	0.54	INT-8	1.1	INT-11
Bromodichloromethane	-	-	2.1	-	3.3	-	0.34	INT-11	3.9	MH-12
Bromoform	-	-	0.82 J	-	1.0	-	0.82	MH-69	1.4	MH-12
Carbon disulfide	-	-	-	-	-	-	8.4	MH-11	8.4	MH-11
Chloroethane	-	-	-	-	-	-	0.65	BS-7	0.65 J	BS-7
Chloroform (Trichloromethane)	-	-	1.9	-	5.2	-	0.28	BS-8	7.8 J	BS-9
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	1	BS-7	1	BS-7
cis-1,2-Dichloroethene	1.8	-	-	-	-	-	0.23	MH-26/INT-6	700	MH-14
Dibromochloromethane	-	-	2.4	-	3.1	-	0.39	INT-11	3.8	MH-12
Ethylbenzene	-	-	-	-	-	0.18 J	0.18	MH-75	3.6	MH-12
Methyl acetate	-	-	-	-	-	-	66	MH-7	420 J	MH-9
Methyl cyclohexane	-	-	-	-	-	-	1	MH-25	1	MH-25
Methylene chloride	-	-	-	-	-	-	0.37	MH-11	110 J	MH-19
Tetrachloroethene	0.34	6100	-	-	-	-	0.24	INT-8	6100	MH-37
Toluene	0.61	-	-	-	-	-	0.19	INT-8	42	INT-5
trans-1,2-Dichloroethene	-	-	-	-	-	-	0.69	BS-1	2.7 J	MH-14
Trichloroethene	-	2800	-	-	-	0.18 J	0.18	MH-75	2800	MH-37
Vinyl chloride	0.24	-	-	-	-	-	0.24	MH-25	16	MH-18
Xylene (total)	-	-	-	-	-	0.76 J	0.76	MH-75	19	MH-12
General Chemistry (%)										
Total Solids	-	65.3	-	82.8	-	-	39.6	INT-8	89.3	MH-19

Notes:
SESS - Storm Sewer Sediment
WSS - Storm Sewer Water
For samples of WSS, units are in ug/L or mg/L
For samples of SESS, units are in ug/kg or mg/kg



INT-5	4/8/02 ug/L	10/13/04 ug/kg	10/13/04 ug/L
PCB-1016	ND (0.2)	ND (80)	ND (0.20)
PCB-1221	ND (0.2)	ND (80)	ND (0.20)
PCB-1232	ND (0.4)	ND (80)	ND (0.40)
PCB-1242	ND (0.2)	ND (80)	ND (0.20)
PCB-1248	ND (0.2)	ND (80)	ND (0.20)
PCB-1254	ND (0.2)	ND (80)	ND (0.20)
PCB-1260	ND (0.2)	420	ND (0.20)

BS-3	4/12/02 ug/L	10/13/04 ug/L
PCB-1016	ND (0.2)	ND (0.20)
PCB-1221	ND (0.2)	ND (0.20)
PCB-1232	ND (0.4)	ND (0.40)
PCB-1242	ND (0.2)	ND (0.20)
PCB-1248	ND (0.2)	ND (0.20)
PCB-1254	ND (0.2)	ND (0.20)
PCB-1260	ND (0.2)	0.35

BS-1	4/9/02 ug/L	10/13/04 ug/L
PCB-1016	ND (0.2)/ND (0.2)	ND (0.20)
PCB-1221	ND (0.2)/ND (0.2)	ND (0.20)
PCB-1232	ND (0.4)/ND (0.4)	ND (0.40)
PCB-1242	ND (0.2)/ND (0.2)	ND (0.20)
PCB-1248	ND (0.2)/ND (0.2)	ND (0.20)
PCB-1254	0.28/0.45	ND (0.20)
PCB-1260	ND (0.2)/ND (0.2)	ND (0.20)

MH-5	10/13/04 ug/kg	10/13/04 ug/L
PCB-1016	ND (1600)	ND (0.20)
PCB-1221	ND (1600)	ND (0.20)
PCB-1232	ND (1600)	ND (0.40)
PCB-1242	ND (1600)	ND (0.20)
PCB-1248	13000	ND (0.20)
PCB-1254	ND (1600)	ND (0.20)
PCB-1260	ND (1600)	ND (0.20)

MH-7	4/4/02 ug/Kg	4/4/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
PCB-1016	ND (40)	ND (0.2)	ND (39)	R
PCB-1221	ND (40)	ND (0.2)	ND (39)	R
PCB-1232	ND (40)	ND (0.4)	ND (39)	R
PCB-1242	ND (40)	0.27	ND (39)	R
PCB-1248	ND (40)	ND (0.2)	ND (39)	R
PCB-1254	180	ND (0.2)	270	R
PCB-1260	ND (40)	ND (0.2)	ND (39)	R

MH-8	4/4/02 ug/Kg	4/4/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
PCB-1016	ND (39)	ND (0.2)	ND (77)	ND (0.20)
PCB-1221	ND (39)	ND (0.2)	ND (77)	ND (0.20)
PCB-1232	ND (39)	ND (0.4)	ND (77)	ND (0.40)
PCB-1242	ND (39)	0.22	ND (77)	ND (0.20)
PCB-1248	ND (39)	ND (0.2)	ND (77)	ND (0.20)
PCB-1254	240	ND (0.2)	920 J	0.28
PCB-1260	ND (39)	ND (0.2)	ND (77)	ND (0.20)

MH-75	4/12/02 ug/L
PCB-1016	ND (0.2) UJ
PCB-1221	ND (0.2) UJ
PCB-1232	ND (0.4) UJ
PCB-1242	ND (0.2) UJ
PCB-1248	ND (0.2) UJ
PCB-1254	0.20 J
PCB-1260	ND (0.2) UJ

MH-26-INT-6	4/8/02 ug/Kg	4/8/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
PCB-1016	ND (83)	ND (0.2)	ND (71)	ND (0.20)
PCB-1221	ND (83)	ND (0.2)	ND (71)	ND (0.20)
PCB-1232	ND (83)	ND (0.4)	ND (71)	ND (0.40)
PCB-1242	ND (83)	ND (0.2)	ND (71)	ND (0.20)
PCB-1248	ND (83)	ND (0.2)	ND (71)	ND (0.20)
PCB-1254	280	ND (0.2)	120	ND (0.20)
PCB-1260	ND (83)	ND (0.2)	ND (71)	ND (0.20)

BS-2	10/13/04 ug/L
PCB-1016	ND (0.20)
PCB-1221	ND (0.20)
PCB-1232	ND (0.40)
PCB-1242	ND (0.20)
PCB-1248	ND (0.20)
PCB-1254	ND (0.20)
PCB-1260	ND (0.20)

MH-9	4/5/02 ug/Kg	4/5/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L	10/15/04 ug/L
PCB-1016	ND (200)	ND (0.2)	ND (540)	ND (0.20)	ND (0.20)
PCB-1221	ND (200)	ND (0.2)	ND (540)	ND (0.20)	ND (0.20)
PCB-1232	ND (200)	ND (0.4)	ND (540)	ND (0.40)	ND (0.40)
PCB-1242	ND (200)	0.30	1400	ND (0.20)	ND (0.20)
PCB-1248	ND (200)	ND (0.2)	ND (540)	1.7	ND (0.20)
PCB-1254	1100	ND (0.2)	4600	ND (0.20)	ND (0.20)
PCB-1260	ND (200)	ND (0.2)	ND (540)	ND (0.20)	ND (0.20)

MH-18	4/5/02 ug/Kg	4/5/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
PCB-1016	ND (2400)	ND (0.2)	ND (800)/ND (800)	ND (0.20)/ND (0.20)
PCB-1221	ND (2400)	ND (0.2)	ND (800)/ND (800)	ND (0.20)/ND (0.20)
PCB-1232	ND (2400)	ND (0.4)	ND (800)/ND (800)	ND (0.40)/ND (0.40)
PCB-1242	ND (2400)	ND (0.2)	ND (800)/ND (800)	ND (0.20)/ND (0.20)
PCB-1248	ND (2400)	0.21	ND (800)/ND (800)	ND (0.20)/ND (0.20)
PCB-1254	18000	ND (0.2)	11000/12000	ND (0.20)/ND (0.20)
PCB-1260	ND (2400)	ND (0.2)	ND (800)/ND (800)	ND (0.20)/ND (0.20)

MH-37	10/13/04 ug/kg
PCB-1016	ND (100000)
PCB-1221	ND (100000)
PCB-1232	ND (100000)
PCB-1242	ND (100000)
PCB-1248	ND (100000)
PCB-1254	1900000
PCB-1260	ND (100000)

MH-6	10/13/04 ug/kg	10/13/04 ug/L
PCB-1016	ND (40)	ND (0.20)
PCB-1221	ND (40)	ND (0.20)
PCB-1232	ND (40)	ND (0.40)
PCB-1242	ND (40)	ND (0.20)
PCB-1248	ND (40)	ND (0.20)
PCB-1254	190 J	ND (0.20)
PCB-1260	ND (40)	ND (0.20)

MH-11	4/5/02 ug/L	10/13/04 ug/kg	10/13/04 ug/L	10/15/04 ug/L
PCB-1016	ND (0.2)	ND (74)	ND (0.20)	ND (0.20)
PCB-1221	ND (0.2)	ND (74)	ND (0.20)	ND (0.20)
PCB-1232	ND (0.4)	ND (74)	ND (0.40)	ND (0.40)
PCB-1242	0.33	ND (74)	ND (0.20)	ND (0.20)
PCB-1248	ND (0.2)	ND (74)	ND (0.20)	ND (0.20)
PCB-1254	ND (0.2)	1300	ND (0.20)	ND (0.20)
PCB-1260	ND (0.2)	ND (74)	ND (0.20)	ND (0.20)

MH-15	10/13/04 ug/kg
PCB-1016	ND (2200)
PCB-1221	ND (2200)
PCB-1232	ND (2200)
PCB-1242	ND (2200)
PCB-1248	ND (2200)
PCB-1254	20000
PCB-1260	ND (2200)

MH-14	4/5/02 ug/Kg	4/5/02 ug/L	10/13/04 ug/L
PCB-1016	ND (390)	ND (0.2)	ND (0.20)
PCB-1221	ND (390)	ND (0.2)	ND (0.20)
PCB-1232	ND (390)	ND (0.4)	ND (0.40)
PCB-1242	ND (390)	0.30	ND (0.20)
PCB-1248	ND (390)	ND (0.2)	ND (0.20)
PCB-1254	2400	ND (0.2)	ND (0.20)
PCB-1260	ND (390)	ND (0.2)	ND (0.20)

BS-4	4/12/02 ug/L
PCB-1016	ND (0.2)
PCB-1221	ND (0.2)
PCB-1232	ND (0.4)
PCB-1242	ND (0.2)
PCB-1248	ND (0.2)
PCB-1254	ND (0.2)
PCB-1260	ND (0.2)

MH-12	10/13/04 ug/kg	10/13/04 ug/L	10/15/04 ug/L
PCB-1016	ND (5200)	ND (20)	ND (0.20)
PCB-1221	ND (5200)	ND (20)	ND (0.20)
PCB-1232	ND (5200)	ND (40)	ND (0.40)
PCB-1242	ND (5200)	ND (20)	ND (0.20)
PCB-1248	ND (5200)	ND (20)	ND (0.20)
PCB-1254	54000	300	ND (0.20)
PCB-1260	ND (5200)	ND (20)	ND (0.20)

BS-6	4/11/02 ug/L
PCB-1016	ND (0.2) UJ
PCB-1221	ND (0.2) UJ
PCB-1232	ND (0.4) UJ
PCB-1242	ND (0.2) UJ
PCB-1248	ND (0.2) UJ
PCB-1254	ND (0.2) UJ
PCB-1260	ND (0.2) UJ

INT-8	4/11/02 ug/Kg	4/11/02 ug/L	10/15/04 ug/Kg	10/15/04 ug/L
PCB-1016	ND (170)	ND (0.2)	ND (1500)/ND (640)	ND (0.20)/ND (0.20)
PCB-1221	ND (170)	ND (0.2)	ND (1500)/ND (640)	ND (0.20)/ND (0.20)
PCB-1232	ND (170)	ND (0.4)	ND (1500)/ND (640)	ND (0.40)/ND (0.40)
PCB-1242	ND (170)	ND (0.2)	27000/9600	ND (0.20)/ND (0.20)
PCB-1248	1000	ND (0.2)	ND (1500)/ND (640)	ND (0.20)/0.47
PCB-1254	ND (170)	ND (0.2)	27000/13000	ND (0.20)/ND (0.20)
PCB-1260	450	ND (0.2)	ND (1500)/ND (640)	ND (0.20)/ND (0.20)

MH-19	4/8/02 ug/Kg	4/8/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
PCB-1016	ND (380)	ND (0.2)	ND (740)	ND (0.20)
PCB-1221	ND (380)	ND (0.2)	ND (740)	ND (0.20)
PCB-1232	ND (380)	ND (0.4)	ND (740)	ND (0.40)
PCB-1242	ND (380)	ND (0.2)	ND (740)	ND (0.20)
PCB-1248	ND (380)	ND (0.2)	ND (740)	ND (0.20)
PCB-1254	5100	0.11 J	12000	1.1
PCB-1260	ND (380)	ND (0.2)	ND (740)	ND (0.20)

MH-16	10/13/04 ug/kg
PCB-1016	ND (21000)
PCB-1221	ND (21000)
PCB-1232	ND (21000)
PCB-1242	ND (21000)
PCB-1248	ND (21000)
PCB-1254	340000
PCB-1260	ND (21000)

BS-9	4/11/02 ug/Kg	4/11/02 ug/L	10/15/04 ug/Kg	10/15/04 ug/L
PCB-1016	ND (350)	ND (0.2)	ND (290)	ND (0.20)
PCB-1221	ND (350)	ND (0.2)	ND (290)	ND (0.20)
PCB-1232	ND (350)	ND (0.4)	ND (290)	ND (0.40)
PCB-1242	ND (350)	ND (0.2)	ND (290)	ND (0.20)
PCB-1248	ND (350)	ND (0.2)	ND (290)	ND (0.20)
PCB-1254	2500	ND (0.2)	2900	ND (0.20)
PCB-1260	ND (350)	ND (0.2)	ND (290)	ND (0.20)

BS-7	4/11/02 ug/L	10/15/04 ug/kg	10/15/04 ug/L
PCB-1016	ND (0.2) UJ	ND (260)	ND (0.20)
PCB-1221	ND (0.2) UJ	ND (260)	ND (0.20)
PCB-1232	ND (0.4) UJ	ND (260)	ND (0.40)
PCB-1242	ND (0.2) UJ	ND (260)	ND (0.20)
PCB-1248	ND (0.2) UJ	ND (260)	ND (0.20)
PCB-1254	ND (0.2) UJ	ND (260)	ND (0.20)
PCB-1260	ND (0.2) UJ	1400	ND (0.20)

MH-25	4/8/02 ug/L	10/13/04 ug/kg	10/13/04 ug/L
PCB-1016	ND (0.2)	ND (1300)	ND (4.0)
PCB-1221	ND (0.2)	ND (1300)	ND (4.0)
PCB-1232	ND (0.4)	ND (1300)	ND (8.0)
PCB-1242	ND (0.2)	ND (1300)	ND (4.0)
PCB-1248	ND (0.2)	ND (1300)	ND (4.0)
PCB-1254	ND (0.2)	15000	54
PCB-1260	ND (0.2)	ND (1300)	ND (4.0)

MH-69	4/11/02 ug/L	10/15/04 ug/kg	10/15/04 ug/L
PCB-1016	ND (0.2)	ND (200)	ND (0.20)
PCB-1221	ND (0.2)	ND (200)	ND (0.20)
PCB-1232	ND (0.4)	ND (200)	ND (0.40)
PCB-1242	ND (0.2)	ND (200)	ND (0.20)
PCB-1248	ND (0.2)	ND (200)	ND (0.20)
PCB-1254	ND (0.2)	1700	ND (0.20)
PCB-1260	ND (0.2)	ND (200)	ND (0.20)

BS-8	4/11/02 ug/Kg	4/11/02 ug/L	10/15/04 ug/Kg	10/15/04 ug/L
PCB-1016	ND (530)/ND (110)	ND (0.2)	ND (730)	ND (0.20)
PCB-1221	ND (530)/ND (110)	ND (0.2)	ND (730)	ND (0.20)
PCB-1232	ND (530)/ND (110)	ND (0.4)	ND (730)	ND (0.40)
PCB-1242	ND (530)/ND (110)	ND (0.2)	ND (730)	ND (0.20)
PCB-1248	ND (530)/ND (110)	ND (0.2)	ND (730)	ND (0.20)
PCB-1254	4200/740	ND (0.2)	7700	ND (0.20)
PCB-1260	ND (530)/ND (110)	0.40	ND (730)	ND (0.20)

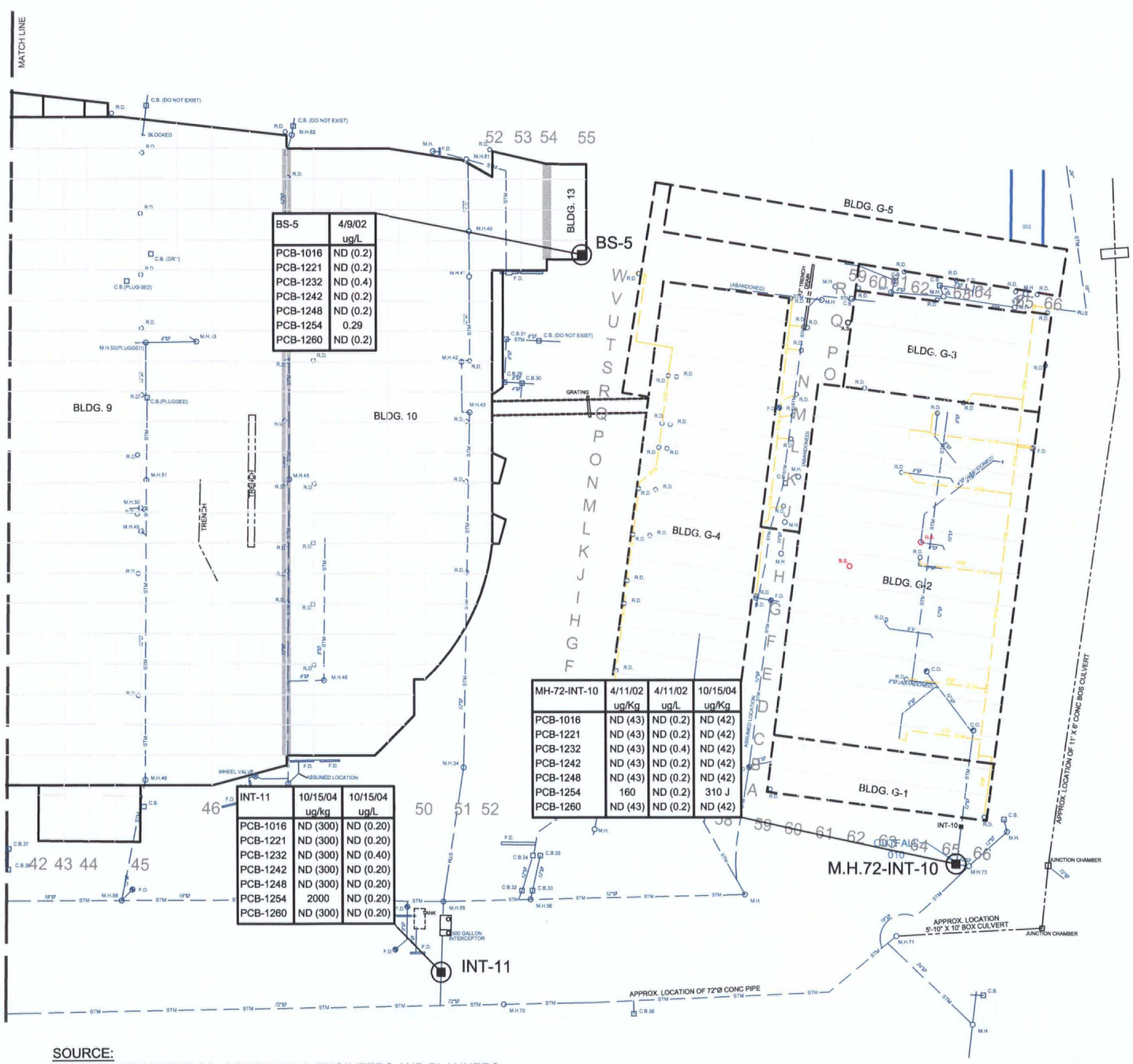
SOURCE:
RALPH L. WOOLPERT CO. CONSULTING ENGINEERS AND PLANNERS. JANUARY 1974
REVISIONS BY:
HELMIG, LIENESCH, DOENCH AND ASSOCIATES. JULY 1980, JUNE 1981

NOTE:
PRIOR TO 1981 ALL PROCESS SEWERS WERE COMBINED PROCESS/SANITARY SEWERS. SEWER LOCATIONS ARE APPROXIMATE.

figure 1a

SEWER SAMPLING - PCB DATA
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO028)GN-WA001 JAN 12/2005



BS-5	4/9/02 ug/L
PCB-1016	ND (0.2)
PCB-1221	ND (0.2)
PCB-1232	ND (0.4)
PCB-1242	ND (0.2)
PCB-1248	ND (0.2)
PCB-1254	0.29
PCB-1260	ND (0.2)

MH-72-INT-10	4/11/02 ug/Kg	4/11/02 ug/L	10/15/04 ug/Kg
PCB-1016	ND (43)	ND (0.2)	ND (42)
PCB-1221	ND (43)	ND (0.2)	ND (42)
PCB-1232	ND (43)	ND (0.4)	ND (42)
PCB-1242	ND (43)	ND (0.2)	ND (42)
PCB-1248	ND (43)	ND (0.2)	ND (42)
PCB-1254	160	ND (0.2)	310 J
PCB-1260	ND (43)	ND (0.2)	ND (42)

INT-11	10/15/04 ug/kg	10/15/04 ug/L
PCB-1016	ND (300)	ND (0.20)
PCB-1221	ND (300)	ND (0.20)
PCB-1232	ND (300)	ND (0.40)
PCB-1242	ND (300)	ND (0.20)
PCB-1248	ND (300)	ND (0.20)
PCB-1254	2000	ND (0.20)
PCB-1260	ND (300)	ND (0.20)

0 40 80ft

LEGEND

- BUILDING WALL
- BUILDING BOUNDARY
- FORMER BUILDING WALL
- STM — STORM SEWER
- STM — OVERHEAD STORM PIPE
- M.H. STORM MANHOLE
- J.B. JUNCTION BOX
- C.B. CATCH BASIN
- C.O. CLEANOUT
- F.D. FLOOR DRAIN
- R.D. ROOF DRAIN
- B.S. BASEMENT SUMP
- A.S. ABANDONED SUMP
- INT-8 STORM SEWER INTERCEPTOR
- WATER/SEDIMENT SAMPLE LOCATION

MH-16	10/13/04 ug/kg
PCB-1016	ND (21000)
PCB-1221	ND (21000)
PCB-1232	ND (21000)
PCB-1242	ND (21000)
PCB-1248	ND (21000)
PCB-1254	340000
PCB-1260	ND (21000)

SAMPLE LOCATION
SAMPLE DATE
RESULT UNIT
RESULT
PARAMETER

ug/kg SEWER SEDIMENT

ug/L SEWER WATER

UJ ANALYTE WAS NOT DETECTED ABOVE THE SAMPLE REPORTING LIMIT. REPORTED VALUE IS ESTIMATED.

R REJECTED

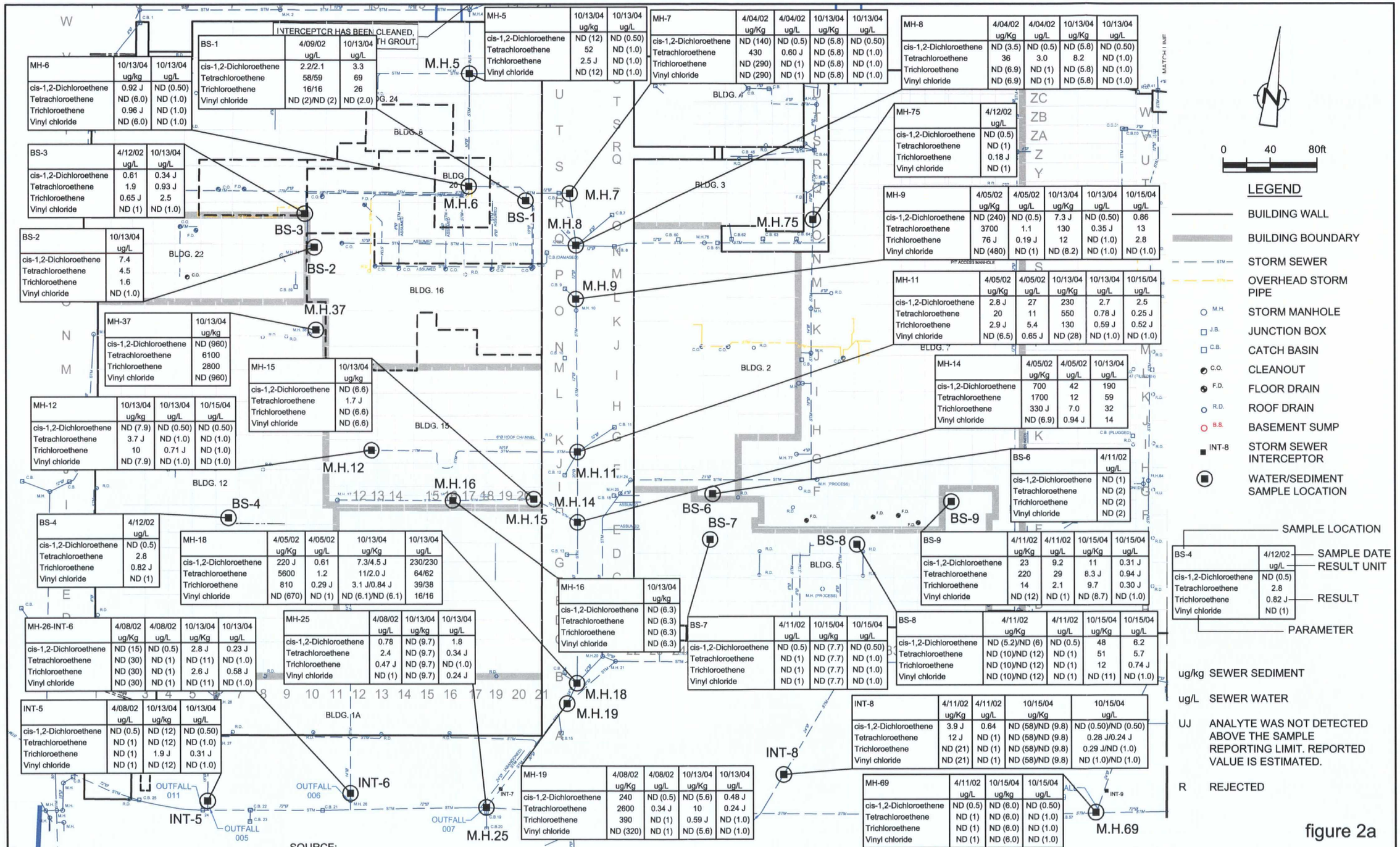
SOURCE:
RALPH L. WOOLPERT CO. CONSULTING ENGINEERS AND PLANNERS.
JANUARY 1974
REVISIONS BY:
HELMIG, LIENESCH, DOENCH AND ASSOCIATES.
JULY 1980, JUNE 1981

NOTE:
PRIOR TO 1981 ALL PROCESS SEWERS WERE COMBINED PROCESS/SANITARY SEWERS.
SEWER LOCATIONS ARE APPROXIMATE.

figure 1b

SEWER SAMPLING - PCB DATA
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO028)GN-WA001 JAN 12/2005



MH-6	10/13/04 ug/kg	10/13/04 ug/L
cis-1,2-Dichloroethene	0.92 J	ND (0.50)
Tetrachloroethene	ND (6.0)	ND (1.0)
Trichloroethene	0.96 J	ND (1.0)
Vinyl chloride	ND (6.0)	ND (1.0)

BS-1	4/09/02 ug/L	10/13/04 ug/L
cis-1,2-Dichloroethene	2.2/2.1	3.3
Tetrachloroethene	58/59	69
Trichloroethene	16/16	26
Vinyl chloride	ND (2)/ND (2)	ND (2.0)

MH-5	10/13/04 ug/kg	10/13/04 ug/L
cis-1,2-Dichloroethene	ND (12)	ND (0.50)
Tetrachloroethene	52	ND (1.0)
Trichloroethene	2.5 J	ND (1.0)
Vinyl chloride	ND (12)	ND (1.0)

MH-7	4/04/02 ug/Kg	4/04/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
cis-1,2-Dichloroethene	ND (140)	ND (0.5)	ND (5.8)	ND (0.50)
Tetrachloroethene	430	0.60 J	ND (5.8)	ND (1.0)
Trichloroethene	ND (290)	ND (1)	ND (5.8)	ND (1.0)
Vinyl chloride	ND (290)	ND (1)	ND (5.8)	ND (1.0)

MH-8	4/04/02 ug/Kg	4/04/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
cis-1,2-Dichloroethene	ND (3.5)	ND (0.5)	ND (5.8)	ND (0.50)
Tetrachloroethene	36	3.0	8.2	ND (1.0)
Trichloroethene	ND (6.9)	ND (1)	ND (5.8)	ND (1.0)
Vinyl chloride	ND (6.9)	ND (1)	ND (5.8)	ND (1.0)

MH-75	4/12/02 ug/L
cis-1,2-Dichloroethene	ND (0.5)
Tetrachloroethene	ND (1)
Trichloroethene	0.18 J
Vinyl chloride	ND (1)

BS-3	4/12/02 ug/L	10/13/04 ug/L
cis-1,2-Dichloroethene	0.61	0.34 J
Tetrachloroethene	1.9	0.93 J
Trichloroethene	0.65 J	2.5
Vinyl chloride	ND (1)	ND (1.0)

BS-2	10/13/04 ug/L
cis-1,2-Dichloroethene	7.4
Tetrachloroethene	4.5
Trichloroethene	1.6
Vinyl chloride	ND (1.0)

MH-9	4/05/02 ug/Kg	4/05/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L	10/15/04 ug/L
cis-1,2-Dichloroethene	ND (240)	ND (0.5)	7.3 J	ND (0.50)	0.86
Tetrachloroethene	3700	1.1	130	0.35 J	13
Trichloroethene	76 J	0.19 J	12	ND (1.0)	2.8
Vinyl chloride	ND (480)	ND (1)	ND (8.2)	ND (1.0)	ND (1.0)

MH-11	4/05/02 ug/Kg	4/05/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L	10/15/04 ug/L
cis-1,2-Dichloroethene	2.8 J	27	230	2.7	2.5
Tetrachloroethene	20	11	550	0.78 J	0.25 J
Trichloroethene	2.9 J	5.4	130	0.59 J	0.52 J
Vinyl chloride	ND (6.5)	0.65 J	ND (28)	ND (1.0)	ND (1.0)

MH-37	10/13/04 ug/kg
cis-1,2-Dichloroethene	ND (960)
Tetrachloroethene	6100
Trichloroethene	2800
Vinyl chloride	ND (960)

MH-15	10/13/04 ug/kg
cis-1,2-Dichloroethene	ND (6.6)
Tetrachloroethene	1.7 J
Trichloroethene	ND (6.6)
Vinyl chloride	ND (6.6)

MH-14	4/05/02 ug/Kg	4/05/02 ug/L	10/13/04 ug/L
cis-1,2-Dichloroethene	700	42	190
Tetrachloroethene	1700	12	59
Trichloroethene	330 J	7.0	32
Vinyl chloride	ND (6.9)	0.94 J	14

MH-12	10/13/04 ug/kg	10/13/04 ug/L	10/15/04 ug/L
cis-1,2-Dichloroethene	ND (7.9)	ND (0.50)	ND (0.50)
Tetrachloroethene	3.7 J	ND (1.0)	ND (1.0)
Trichloroethene	10	0.71 J	ND (1.0)
Vinyl chloride	ND (7.9)	ND (1.0)	ND (1.0)

BS-6	4/11/02 ug/L
cis-1,2-Dichloroethene	ND (1)
Tetrachloroethene	ND (2)
Trichloroethene	ND (2)
Vinyl chloride	ND (2)

BS-4	4/12/02 ug/L
cis-1,2-Dichloroethene	ND (0.5)
Tetrachloroethene	2.8
Trichloroethene	0.82 J
Vinyl chloride	ND (1)

MH-18	4/05/02 ug/Kg	4/05/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
cis-1,2-Dichloroethene	220 J	0.61	7.3/4.5 J	230/230
Tetrachloroethene	5600	1.2	11/2.0 J	64/62
Trichloroethene	810	0.29 J	3.1 J/0.84 J	39/38
Vinyl chloride	ND (670)	ND (1)	ND (6.1)/ND (6.1)	16/16

BS-9	4/11/02 ug/Kg	4/11/02 ug/L	10/15/04 ug/Kg	10/15/04 ug/L
cis-1,2-Dichloroethene	23	9.2	11	0.31 J
Tetrachloroethene	220	29	8.3 J	0.94 J
Trichloroethene	14	2.1	9.7	0.30 J
Vinyl chloride	ND (12)	ND (1)	ND (8.7)	ND (1.0)

MH-16	10/13/04 ug/kg
cis-1,2-Dichloroethene	ND (6.3)
Tetrachloroethene	ND (6.3)
Trichloroethene	ND (6.3)
Vinyl chloride	ND (6.3)

MH-26-INT-6	4/08/02 ug/Kg	4/08/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
cis-1,2-Dichloroethene	ND (15)	ND (0.5)	2.8 J	0.23 J
Tetrachloroethene	ND (30)	ND (1)	ND (11)	ND (1.0)
Trichloroethene	ND (30)	ND (1)	2.6 J	0.58 J
Vinyl chloride	ND (30)	ND (1)	ND (11)	ND (1.0)

MH-25	4/08/02 ug/L	10/13/04 ug/kg	10/13/04 ug/L
cis-1,2-Dichloroethene	0.78	ND (9.7)	1.8
Tetrachloroethene	2.4	ND (9.7)	0.34 J
Trichloroethene	0.47 J	ND (9.7)	ND (1.0)
Vinyl chloride	ND (1)	ND (9.7)	0.24 J

BS-7	4/11/02 ug/L	10/15/04 ug/kg	10/15/04 ug/L
cis-1,2-Dichloroethene	ND (0.5)	ND (7.7)	ND (0.50)
Tetrachloroethene	ND (1)	ND (7.7)	ND (1.0)
Trichloroethene	ND (1)	ND (7.7)	ND (1.0)
Vinyl chloride	ND (1)	ND (7.7)	ND (1.0)

BS-8	4/11/02 ug/Kg	4/11/02 ug/L	10/15/04 ug/Kg	10/15/04 ug/L
cis-1,2-Dichloroethene	ND (5.2)/ND (6)	ND (0.5)	48	6.2
Tetrachloroethene	ND (10)/ND (12)	ND (1)	51	5.7
Trichloroethene	ND (10)/ND (12)	ND (1)	12	0.74 J
Vinyl chloride	ND (10)/ND (12)	ND (1)	ND (11)	ND (1.0)

INT-5	4/08/02 ug/L	10/13/04 ug/kg	10/13/04 ug/L
cis-1,2-Dichloroethene	ND (0.5)	ND (12)	ND (0.50)
Tetrachloroethene	ND (1)	ND (12)	ND (1.0)
Trichloroethene	ND (1)	1.9 J	0.31 J
Vinyl chloride	ND (1)	ND (12)	ND (1.0)

INT-8	4/11/02 ug/Kg	4/11/02 ug/L	10/15/04 ug/Kg	10/15/04 ug/L
cis-1,2-Dichloroethene	3.9 J	0.64	ND (58)/ND (9.8)	ND (0.50)/ND (0.50)
Tetrachloroethene	12 J	ND (1)	ND (58)/ND (9.8)	0.28 J/0.24 J
Trichloroethene	ND (21)	ND (1)	ND (58)/ND (9.8)	0.29 J/ND (1.0)
Vinyl chloride	ND (21)	ND (1)	ND (58)/ND (9.8)	ND (1.0)/ND (1.0)

MH-19	4/08/02 ug/Kg	4/08/02 ug/L	10/13/04 ug/Kg	10/13/04 ug/L
cis-1,2-Dichloroethene	240	ND (0.5)	ND (5.6)	0.48 J
Tetrachloroethene	2600	0.34 J	10	0.24 J
Trichloroethene	390	ND (1)	0.59 J	ND (1.0)
Vinyl chloride	ND (320)	ND (1)	ND (5.6)	ND (1.0)

MH-69	4/11/02 ug/L	10/15/04 ug/kg	10/15/04 ug/L
cis-1,2-Dichloroethene	ND (0.5)	ND (6.0)	ND (0.50)
Tetrachloroethene	ND (1)	ND (6.0)	ND (1.0)
Trichloroethene	ND (1)	ND (6.0)	ND (1.0)
Vinyl chloride	ND (1)	ND (6.0)	ND (1.0)

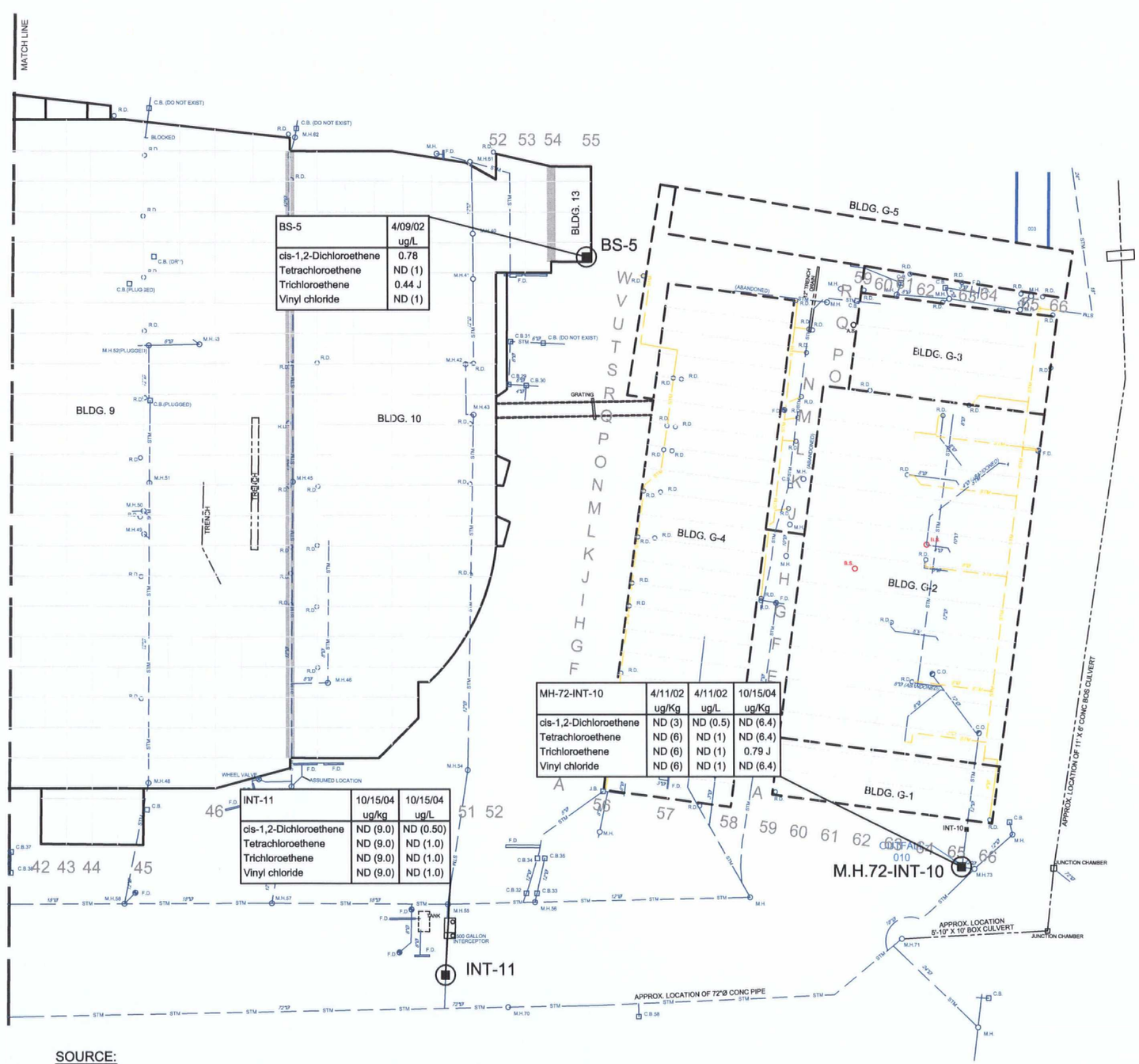
SOURCE:
RALPH L. WOOLPERT CO. CONSULTING ENGINEERS AND PLANNERS. JANUARY 1974
REVISIONS BY:
HELMIG, LIENESCH, DOENCH AND ASSOCIATES. JULY 1980, JUNE 1981

NOTE:
PRIOR TO 1981 ALL PROCESS SEWERS WERE COMBINED PROCESS/SANITARY SEWERS. SEWER LOCATIONS ARE APPROXIMATE.

figure 2a

SEWER SAMPLING - CHLORINATED VOC DATA
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO028)GN-WA002 JAN 12/2005



BS-5	4/09/02 ug/L
cis-1,2-Dichloroethene	0.78
Tetrachloroethene	ND (1)
Trichloroethene	0.44 J
Vinyl chloride	ND (1)

MH-72-INT-10	4/11/02 ug/Kg	4/11/02 ug/L	10/15/04 ug/Kg
cis-1,2-Dichloroethene	ND (3)	ND (0.5)	ND (6.4)
Tetrachloroethene	ND (6)	ND (1)	ND (6.4)
Trichloroethene	ND (6)	ND (1)	0.79 J
Vinyl chloride	ND (6)	ND (1)	ND (6.4)

INT-11	10/15/04 ug/kg	10/15/04 ug/L
cis-1,2-Dichloroethene	ND (9.0)	ND (0.50)
Tetrachloroethene	ND (9.0)	ND (1.0)
Trichloroethene	ND (9.0)	ND (1.0)
Vinyl chloride	ND (9.0)	ND (1.0)

0 40 80ft

LEGEND

- BUILDING WALL
- BUILDING BOUNDARY
- FORMER BUILDING WALL
- STORM SEWER
- OVERHEAD STORM PIPE
- M.H. STORM MANHOLE
- J.B. JUNCTION BOX
- C.B. CATCH BASIN
- C.O. CLEANOUT
- F.D. FLOOR DRAIN
- R.D. ROOF DRAIN
- B.S. BASEMENT SUMP
- A.S. ABANDONED SUMP
- INT-8 STORM SEWER INTERCEPTOR
- WATER/SEDIMENT SAMPLE LOCATION

BS-4	4/12/02 ug/L
cis-1,2-Dichloroethene	ND (0.5)
Tetrachloroethene	2.8
Trichloroethene	0.82 J
Vinyl chloride	ND (1)

SAMPLE LOCATION
SAMPLE DATE
RESULT UNIT
RESULT
PARAMETER

ug/kg SEWER SEDIMENT

ug/L SEWER WATER

UJ ANALYTE WAS NOT DETECTED ABOVE THE SAMPLE REPORTING LIMIT. REPORTED VALUE IS ESTIMATED.

R REJECTED

SOURCE:
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figure 2b

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