ecology and environment, inc.

International Specialists in the Environment

971684

US EPA RECORDS CENTER REGION 5

551516

Job Number FT 1305

SITE NAME: HALLIE TOWN LANDFILL

ADDRESS: SW 1/4, NW 1/4, SEC 23, T. 28N, R.9W.

(SHAFFER RD) EAU CLAIRE, W.I 54730

TDD#: F05-8905-015

PAN#: FWI0149SA

SSID: NOT APPLICABLE

E & E Job Number FT1305

Telephone Code Number (312) 663-9415

Site Name HALLIE TOWN LANDFILL

SW1/4, NW1/4, SEC 23, T. 28N., R. 9.W. (SHAFFER RD)

State/City EAU CLAIRE, WISCONSIN 54730

TDD F05-8905-015

PAN FWI01495A

SSID NONE

Start/Finish Date 5/23/89 / 5/24/89

Book 1 of 1

E & E Emergency Response Center: (716) 684-8940

FWI01495A MAY 23, 1989

IN HALLIE TOWN LANDFILL
EAU CLAIRE, WI

TDD: F05-8905-015
PAN: FWI01495A
SSID: NONE
EPA ID: WID981095920

FIT TEAM MEMBERS: TED NEHRKORN - TEAM LEADER
WILLIAM PERPICH - SITE SAFETY OFFICER
KAREN SPANGLER - SAMPLER
REGINA BAYER - TEAM MEMBER
JEFF DICKSON - TEAM MEMBER

SITE ACTIVITY DESCRIPTION:

ARRIVAL AT SITE:	DATE: 5/23/89	TIME: 10:30
DEPARTURE FROM SITE:	DATE: 5/23/89	TIME: 1450
INTERVIEW:	START: 930	ENDED: 1015

ONGOING WEATHER CONDITIONS: A.M. - PARTLY CLOUDY UPPER 60'S, MOSTLY SUNNY, MID 70'S P.M.

PROPOSED WORK TODAY:

1. INTERVIEW SITE REPRESENTATIVE(S).
2. SET UP DECONTAMINATION STATION / HOTLINE.
3. ESTABLISH SITE BOUNDARIES.
4. IDENTIFY EMERGENCY EGRESS ROUTES TO GET OFF SITE.
5. COLLECT 7 SOIL SAMPLES
6. COLLECT 5 RESIDENTIAL WELL SAMPLES IF TIME ALLOWS. IF NOT, WILL RETURN TOMORROW TO COLLECT ALL RESIDENTIAL WELL SAMPLES.

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FWI01495A MAY 23, 1989

NON-FIT-PARTICIPATING PERSONNEL:

NAME	TITLE	AFFILIATION	ADDRESS
DAVE MERZ	CHAIRMAN	HALLIE TOWNSHIP	957 HAGEN RD. CHIPPEWA FALLS, WI 54729
DENNIS L. JOHNSON	P.E., PROJECT ENGINEER	AYRES ASSOCIATES	1300 W. CLAIREMONT AVE. EAU CLAIRE, WI 54702
DICK McEATHRON	ROAD SUPT.	TOWN OF HALLIE	N/A

INTERVIEW WITH SITE REPRESENTATIVE:

CURRENT OWNER: HALLIE TOWNSHIP

YEARS OF OWNERSHIP: AT LEAST 1953 - PRESENT

PREVIOUS OWNER: UNKNOWN

YEARS OF OWNERSHIP: N/A

ACTIVITIES OF PREVIOUS OWNER: N/A

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SITE MAP AVAILABLE?: YES

FWI01495A MAY 23, 1989

DESCRIPTION OF WASTES:

PHYSICAL STATE(S): REFUSE, SOLID

WASTE TYPES: REFUSE, GARBAGE, WOOD, ETC. - MUNICIPAL
TIRES ALL FROM HALLIE

QUANTITIES: UNKNOWN

OTHER HAZARDOUS WASTES/SUBSTANCES - NONE

DOES STORAGE OR DISPOSAL OCCUR? DISPOSAL

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FWI0149SA MAY 23, 1989

ANY LINERS USED?: NO TRENCH

DEPTH AND CHARACTERISTIC OF DAILY COVER: DID COVER
UNKNOW DEPTH, CHARACTER.
ONE EMPLOYEE WED. AND SATURDAY

DEPTH AND CHARACTER OF FINAL CAP: DATE 1981
2 FT OF SOIL 6" of top SOIL

LEACHATE COLLECTION SYSTEM: NO

ANY LEACHATE SEEPS?: NO , 1975 INSPECTION WDNR

DESCRIPTION OF DRUMS: UNKNOWN

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ANY SPILLS ON SITE?: UNKNOWN

FWI0149SA MAY 23, 1989

TRANSPORTERS OF WASTES: FROM LICENSE 1978
5 LISTED - SEE BOTTOM OF PAGE
PUBLIC - TWO DAYS A WEEK WEDNESDAY AND SATURDAY
ALL FROM TOWNSHIP OF HALLIE

YEARS OF TRANSPORT: UNKNOWN -

TYPE OF WASTES: Municipal

QUANTITIES OF WASTE: UNKNOWN

AREA OF OPERATIONS ON-SITE: 6.6 TOTAL ACRES ~4 USED
LICENSED 5.0 ACRES

TRANSPORTERS:

DNR LICENSE NO.	NAME
393	AMERICAN DISPOSAL
66	DRESELS GARBAGE SERVICE
173	MEWHORTER DISPOSAL
621	MIKES GARBAGE SERVICE
175	SANITARY DISPOSAL INC.

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DESCRIPTION OF PATHWAYS AND RECEPTORS:
(PART 3 OF EPA Form 2070-13)

GENERAL INFORMATION:
ACRES ON-SITE: 6.6
BUILDINGS : NONE
WORKERS ON-SITE : NONE

ANY WELLS ON-SITE?: NONE
DEPTH: N/A
AQUIFER: N/A

SITE FENCED?: FENCED, NOT ON SOUTH, CHECK

LOCKED GATE?: FENCE GATE, NO LOCK

OTHER SURVEILLANCE: NONE

HAZARDOUS CONDITIONS AND INCIDENTS: (p 3-4) NONE

ANY INJURIES REPORTED ON-SITE: NONE

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FWI0149SA MAY 23, 1989

PERMIT INFORMATION: CHECK WITH DNR
MOST RECENT 1978 - 1979
EARLIEST POSSIBLY 1953 ??

PAST RESPONSE ACTIVITIES AND ENFORCEMENT INFORMATION:
(PART 10-11)

1) PUT COVER OVER TIRES
2) 1981 - FINAL COVER 2' 6" TOP SOIL 8/3/81
- SITE FENCED
- FERTILIZE AND VEGETATION
3) JUNE 8, '81 - WDNR - NO FURTHER ENFORCEMENT NEEDED

SAMPLE PORTIONS OFFERED TO SITE REPRESENTATIVE
(YES) NO

SITE REPRESENTATIVE: ACCEPTED (REFUSED)

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FWI0149SA MAY 23, 1989

ADDITIONAL INFORMATION:

LICENSE NO. 1771 NOVEMBER 30, 1978

GROUNDWATER CONTAMINATION PROBABLY CAUSED BY PRESTO
NATIONAL PRESTO INDUSTRIES EAU CLAIRE

GW TO RIVER SOME TOWARDS HALLIE LAKE

DEER WAS SPOTTED RUNNING ON SITE

FENCE ~ 3 FT, SOME BARBED WIRE

PONDS WERE NOTICED ON THE SOUTH SIDE OF THE SITE, THEY MAY POSSIBLY FROM GRAVEL COMPANY LOCATED IN THAT AREA.

ON THE OTHER SIDE OF SHAFFER RD (WEST SIDE) THERE IS A GRAVEL PIT WHICH ACTS AS A RESEVOIR FOR THE IMMEDIATE AREA.

SAND AND GRAVEL IN THE AREA IS UP TO 150' THICK TO BEDROCK.

ALLEGED FIRE FROM PARTIERS APPROX 2 YEARS AGO

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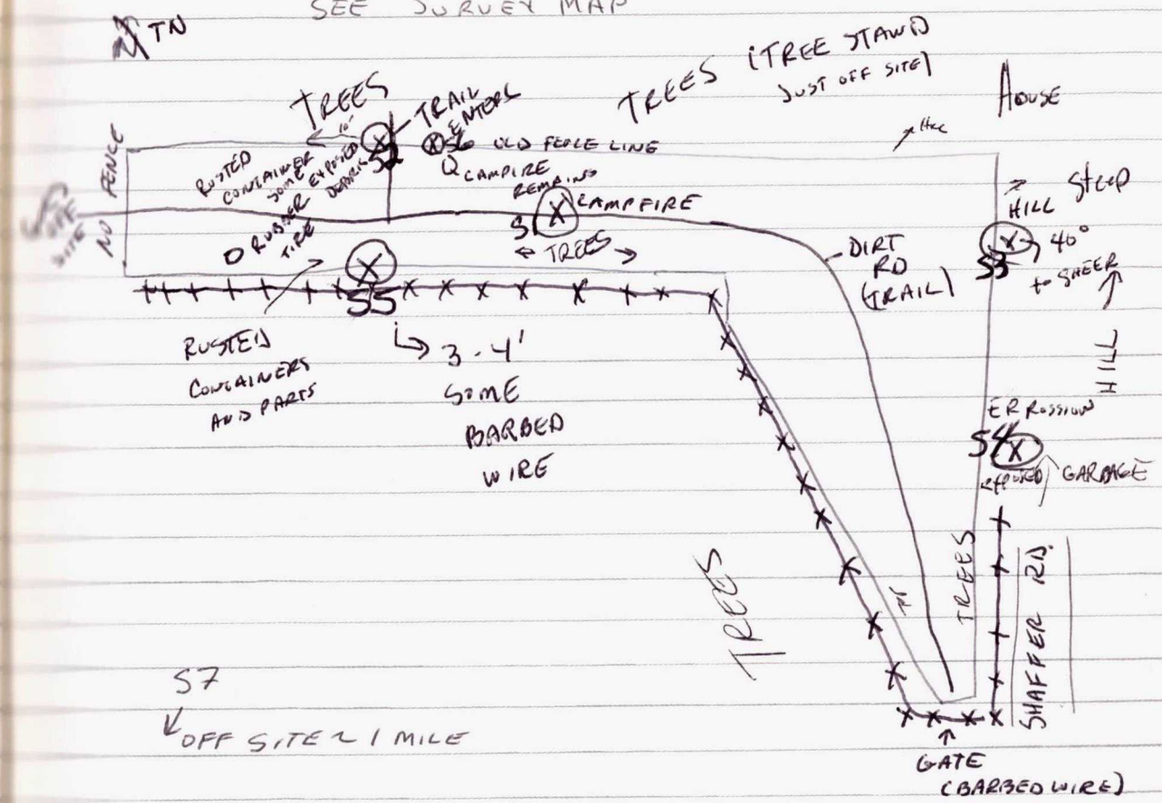
FWI0149SA MAY 23, 1989

SITE SKETCH: (NOT TO SCALE)
SEE SURVEY MAP



57
OFF SITE ~ 1 MILE

HIKER ON SITE OBSERVED DURING RECON.

EROSSION ON ~~NORTH~~ ~~SOUTH~~ ~~NORTH~~ SOUTH SIDE AND ALONG WEST SIDE.

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FWI0149SA MAY 23, 1989

SITE ACTIVITY CHRONOLOGY:

0930 REGINA AND TED INTERVIEWED SITE REPRESENTATIVES AT HALLIE TOWN HALL. DAVID MEIER, DENNIS JOHNSON, & DICK

1015 FINISHED WITH INTERVIEW, DROVE TO SITE

1030 FIT TEAM MEMBERS ARRIVED ON SITE, SEE PAGE 3 FOR TEAM MEMBERS. DENNIS JOHNSON AND DICK ACCOMPANIED FIT. KAREN STARTED TO PREPARE SAMPLE BOTTLES, BILL PERPICH, JEFF AND GINA GOT SAFETY EQUIPMENT GOING.

1055 WILLIAM PERPICH CONDUCTED SITE SAFETY MEETING. ALL FIT TEAM MEMBERS PRESENT.

1110 FIT CONDUCTED SITE RECONNAISSANCE INSPECTION, DENNIS AND DICK MCEATHRON ACCOMPANIED FIT.

1120 CAMPFIRE REMAINS, BEER BOTTLES

1150 RECONNAISSANCE INSPECTION COMPLETED.

1200 JEFF AND TED LEFT TO COLLECTED POTENTIAL BACKGROUND SOIL SAMPLE
GINA AND BILL STARTED DECONING EQUIPMENT.

1215 COLLECTED SOIL SAMPLE S7

1245 COLLECTED SOIL SAMPLE S1

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1255 COLLECTED SOIL SAMPL S2

1310 COLLECTED SOIL SAMPLE S3

FWI0149SA May 23, 1989

1320 COLLECTED SOIL SAMPLE S4

1350 COLLECTED SOIL SAMPLE S5

1405 COLLECTED SOIL SAMPLE S6

1430 GAVE RECEIPTS TO SITE REPRESENTATIVE

1440 SITE ~~PERR~~ IN REPRESENTATIVES JOHNSON AND MCEATHRON LEFT SITE

1440 FIT MEMBERS DECONED EQUIPMENT, FINISHED SAMPLE PREPERATION AND PACKAGING.

1450 KAREN AND JEFF TOOK SAMPLES TO FEDERAL EXPRESS EAU CLAIRE.
TED, WILLIAM, AND GINA LEFT TO SET UP RESIDENTIAL WELLS FOR WEDNESDAY.

1600 SAMPLES WERE ~~RELENQUISH~~ IN RELENQUISHED TO FEDERAL EXPRESS, EAU CLAIRE.

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FWI0149SA MAY 23, 1989

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PHOTOGRAPH LOG

CAMERA USED: RICOH AF-5

ID #: 77 327871 EPA # 419479

FILM TYPE USED: KODACOLAR GOLD 100

FRAME #	DIRECTION	LOCATION/SUBJECT	TIME
1,2	S	MAP OF GW. CONTAMINATION OF HALLIE TOWNSHIP	1008
3	S	SOIL SAMPLE S7, CLOSEUP	1215
4	S	SOIL SAMPLE S7, POTENTIAL BARR.	1215
5	S	ENTRANCE GATE	1230
6	S	LANDFILL, NORTH END TO SOUTH	1230
7,8	E	EAST END OF LANDFILL	1230
9,10,11	W	WEST SIDE OF LANDFILL	1230
12	E	FAR EAST SIDE	1235
13	W	FROM FAR EAST SIDE LOOKING WEST	1235
14	S	PATH ENTERING SITE FROM SITE	1235
15	N	SOIL SAMPLE S1, CLOSE UP	1245
16	N	SOIL SAMPLE S1, NEAR CAMPIRE SITE	1245
17	~~S~~ IN N	SOIL SAMLE, S2 CLOSE UP	1255
18	N	SOIL SAMPLE ~~S3~~ IN S2, NEAR PATH	1255
19	W	SOIL SAMPLE S3, CLOSE UP	1310
20	W	SOIL SAMPLE S3, DOWN GULLY (BOTTOM)	1310
21	W	DOWN AT ERRODED AREA NEAR S3	1310
22	E	SOIL SAMPLE S4, CLOSE UP	1320
23	E	SOIL SAMPLE S4, BOTTOM OF GULLY	1320

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FWI0149SA MAY 23, 1989

FRAME #	DIRECTION	LOCATION / SUBJECT	TIME
#2			
1	N	SOIL SAMPLE SS, CLOSE UP	1350
2	N	SOIL SAMPLE SS, NORTH BORDER	1350
3	~~N~~ TN S	SOIL SAMPLE SG, CLOSE UP	1405
4	~~N~~ TN S	SOIL SAMPLE ~~SG~~ TN SG, SOUTH BORDER	1405
5	E	SW CORNER SLOPE	1420
6	E	West SIDE SLOPE	1425
7	E	West SIDE SLOPE	1425
8+9	E	SAMPLE COOLERS OPENED	1440
10	E	SAMPLE COOLERS CLOSED	1440

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FWI0149SA MAY 23, 1989

SOIL SAMPLE COLLECTION

SAMPLING EQUIPMENT:

- STAINLESS STEEL TROWELS
- STAINLESS STEEL BOWLS
- BUCKET AUGER
- POWER AUGER
- NEOPRENE LATEX DISPOSABLE GLOVES

SAMPLES COLLECTED (NOTE: VOA'S WILL BE COLLECTED FIRST)

- VOA'S
- EXTRACTABLES / PRIORITY POLLUTANTS / PESTICIDES
- METALS AND CYANIDE

DECONTAMINATION PROCEDURES:

EQUIPMENT: SAMPLING EQUIPMENT WAS SCRUBBED WITH AN ALCONOX / DISTILLED WATER SOLUTION AND TRIPLE RINSED WITH DISTILLED WATER

PERSONNEL: GLOVES WERE SCRUBBED WITH THE ALCONOX/DISTILLED WATER SOLUTION AND TRIPLE RINSED BETWEEN SAMPLES TO AVOID CROSS CONTAMINATION. TYVEK, SARANEX, DISPOSABLE GLOVES, AND DISPOSABLE BOOTS WERE STRIPPED OFF AND DISCARDED.

SAMPLE CONTAINERS: SAMPLE BOTTLES WERE WASHED WITH A SOLUTION OF ALCONOX / DISTILLED WATER AND TRIPLE RINSED WITH DISTILLED WATER AND WIPED DRY WITH A PAPER TOWEL.

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NOTE: SEE SITE SAFETY PLAN FOR FURTHER DECONTAMINATION PROCEDURES)

FWI0149SA MAY 23, 1989

SOIL SAMPLE: S1 COMPOSITE / (GRAB)
TIME COLLECTED: 1245
(SURFACE) / DEPTH: 0 FT 6 IN
EQUIPMENT: SHOVEL / HAND AUGER / POWER AUGER / (TROWELS) / SPOONS / (BOWLS) / OTHER - DESCRIBE BELOW
COLLECTED BY: R. BAYER, W. PERPICH
LOCATION: SEE SITE MAP
SAMPLE DESCRIPTION: LIGHT BROWN SANDY LOAM, DRY
COMMENTS: COLLECTED NEAR CAMPIRE SITE, PARTY AREA

SOIL SAMPLE: S2 COMPOSITE / (GRAB)
TIME COLLECTED: 1255
(SURFACE) / DEPTH: 0 FT 6 IN
EQUIPMENT: SHOVEL / HAND AUGER / POWER AUGER / (TROWELS) / SPOONS / (BOWLS) / OTHER - DESCRIBE BELOW
COLLECTED BY: R. BAYER, W. PERPICH
LOCATION: SOUTH EAST SIDE OF SITE NEAR PATH, SEE MAP
SAMPLE DESCRIPTION: LIGHT BROWN, SANDY LOAM, DRY
COMMENTS: NEAR PATH COMING ON SITE FROM OFF SITE

SOIL SAMPLE: S3 COMPOSITE / (GRAB)
TIME COLLECTED: 1310
SURFACE / DEPTH: 0 FT 6 IN
EQUIPMENT: SHOVEL / HAND AUGER / POWER AUGER / (TROWELS) / SPOONS / (BOWLS) / OTHER - DESCRIBE BELOW
COLLECTED BY: R. BAYER W. PERPICH
LOCATION: SEE SITE MAP,
SAMPLE DESCRIPTION: LIGHT BROWN, SANDY LOAM, DRY
COMMENTS: BOTTOM OF ERODED AREA SOUTH WEST CORNER, TREE LINED AREA

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FWI0149SA MAY 23, 1989

SOIL SAMPLE: S4 COMPOSITE / (GRAB)
TIME COLLECTED: 1320
SURFACE / DEPTH: 0 FT 6 IN
EQUIPMENT: SHOVEL / HAND AUGER / POWER AUGER / (TROWELS) / SPOONS / (BOWLS) / OTHER - DESCRIBE BELOW
COLLECTED BY: J. DICKSON, W. PERPICH
LOCATION: SEE SITE MAP
SAMPLE DESCRIPTION:
COMMENTS: BOTTOM OF ERODED AREA, WOODED AREA

SOIL SAMPLE: S5 COMPOSITE / (GRAB)
TIME COLLECTED: 1350
SURFACE / (DEPTH): ~~2 3~~ ~3 1/2-4 TN FT 0 IN
EQUIPMENT: (SHOVEL) / (HAND AUGER) / POWER AUGER / (TROWELS) / SPOONS / (BOWLS) / OTHER - DESCRIBE BELOW
COLLECTED BY: J. DICKSON, R. BAYER, W. PERPICH
LOCATION: SEE SITE MAP
SAMPLE DESCRIPTION: BROWN, SANDY LOAM
COMMENTS: NORTH BORDER OF LANDFILL DRY SURFACE, MOIST DEEPER, LOCATED NEAR FENCE LINE

SOIL SAMPLE: ~~S7~~ TN S6 COMPOSITE / (GRAB)
TIME COLLECTED: 1405
(SURFACE) / ~~(DEPTH)~~ TN: 0 FT 6 IN
EQUIPMENT: (SHOVEL) / ~~(HAND AUGER)~~ TN / POWER AUGER / (TROWELS) / SPOONS / (BOWLS) / OTHER - DESCRIBE BELOW
COLLECTED BY: J. DICKSON, R. BAYER, W. PERPICH
LOCATION: SEE SITE MAP
SAMPLE DESCRIPTION: MOIST, BROWN, SANDY LOAM
COMMENTS: SOUTH BORDER OF SITE

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FWI0149SA MAY 23, 1989

SOIL SAMPLE: S7 COMPOSITE / GRAB

TIME COLLECTED: 1215

SURFACE / DEPTH: 0 FT 6 IN

EQUIPMENT: SHOVEL / HAND AUGER / POWER AUGER / TROWELS / SPOONS / BOWLS / OTHER- DESCRIBE BELOW

COLLECTED BY: JEFF DICKSON

LOCATION: SEE SITE MAP ~ NORTH OF SITE ~~[illegible]~~ 21 IN ON ANGELA ST.

SAMPLE DESCRIPTION: ORGANIC, BROWN, SANDY LOAM, DRY

COMMENTS: POTENTIAL BACKGROUND SAMPLE, ~20 FT SOUTH OF ROADWAY, WOODED AREA.

SEE SAMPLE PAPERWORK FOR ALL OF THE FOLLOWING FOR THE SOIL SAMPLES COLLECTED:

- Physical Description
- SAMPLE ID# (LOTR / ITR)
- CUSTODY TAG#
- AIRBILL#
- CHAIN OF CUSTODY
- CUSTODY SEAL #'S
- LABORATORIES
- BOTTLE LOT #'S

ALL SOILS WILL BE ICED FOR SHIPMENT.

Jed Dickson

FWI0149SA MAY 23, 1989

SAFETY EQUIPMENT

EQUIPMENT	ID#	BACKGROUND READINGS	CALIBRATION	ON-SITE READING
OVA 128	EPA# 611288	0 PPM	MAGIC MARKER PEGED NEEDLE ON METER 10X SCALE	0 PPM
COMB/ EXPLOSIMETER	EPA# 611843	O_2 - ~~20~~ 19% EXPLO - 0% LEL	O_2 - 19% EXPLOS - 20% LEL	O_2 - 19% EXPLO - 0% LEL
DRAGER PUMP W/HCN TUBES	419 464	NO COLOR CHANGE	N/A	NO COLOR CHANGE
RAD-MINI	EPA# 419556	ALARM DID NOT SOUND ~~[illegible]~~ <0.1 mR/HR	LANTERN MANTLE >0.1 mR/HR	<0.1 mR/HR

Jed Dickson

FWI0149SA MAY 24, 1989

FIT TEAM MEMBERS: SEE PAGE 3

OTHER PERSONNEL PRESENT:
MIKE MILLER AYRES ASSOCIATES

SITE ACTIVITY DESCRIPTION:
ARRIVAL AT SITE: DATE: 5/24/89 TIME: 9:30
DEPARTURE FROM SITE: TIME: 1220

ONGOING WEATHER CONDITIONS: PARTLY CLOUDY, MID 60'S a.m
MOSTLY CLOUDY P.M.

PROPOSED WORK TODAY:
1. COLLECT 5 RESIDENTIAL WELL SAMPLES.
TYVEK WILL NOT BE WORN DURING RESIDENTIAL WELL COLLECTION.

Jed Nehrkorn

FWI0149SA MAY 24, 1989

ACTIVITY CHRONOLOGY

0930 FIT TEAM MEMBERS ARRIVED ON SITE. FIT TEAM MEMBERS BEGAN TO GET SAMPLE BOTTLES SET UP. MIKE MILLER OF AYRES ASSOCIATES MET US ON SITE. NO SAFETY MEETING ON THE SITE WILL BE NEEDED SINCE FIT WILL NOT GO ON SITE TODAY.

1000 COLLECTED RESIDENTIAL WELL RW3

1010 COLLECTED RESIDENTIAL WELL RW1

1045 COLLECTED RESIDENTIAL WELL RW2

1120 COLLECTED RESIDENTIAL WELL RW4

1120 COLLECTED RESIDENTIAL WELL RW5

1150 ALL FIT TEAM MEMBERS BACK AT SITE TO ASSIST SAMPLER IN PACKAGING SAMPLE BOTTLES

1015 BLANK WAS POURED

1205 FINISHED PACKAGING SAMPLES

1220 FIT DEPARTED FROM SITE

1300 RELENQUISHED SAMPLE COOLERS, ~~EAU~~ FEDERAL EXPRESS EAU CLAIRE

Jed Nehrkorn

FWI0149SA

MAY 24, 1989

Ted Nehlsen

FWI0149SA

MAY 24, 1989

PHOTOGRAPH LOG

CAMERA USED: RICOH AF-S

ID#: 77327871 EPA# 49479

FILM TYPE USED: KODACOLAR GOLD 100

FRAME #	DIRECTION	LOCATION / SUBJECT	TIME
12	N	RW3, CLOSE UP	1000
13	N	RW7, PERSPECTIVE	1000
14	S	RW2, CLOSE UP	1045
15	S	RW2, PERSPECTIVE	1045
16	N	SOUTH SLOPE OF FILL Behind RW2	1055
17	E	RW 4, CLOSE UP	1120
18	E	RW4, PERSPECTIVE	1120
19	N	RW5, CLOSE UP	~~1130~~ 1130 TN
20	N	RW5, ~~CLOSE UP~~ PERSPECTIVE	~~1130~~ 1130 TN
21	S	RW1, CLOSE UP	1135
22	S	RW1, PERSPECTIVE	1135
23, 24	S	FRONT GATE, SHUT	1140
#3			
1	S	SHAFFERD, WEST SIDE OF SITE	1150
2	S	COOLERS, OPEN	1210
3	S	COOLERS CLOSED	1215

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FWI0149SA MAY 24, 1989

RESIDENTIAL WELL COLLECTION

EQUIPMENT USED:

- pH METER (ID# 61971), CALIBRATED TO pH 7.01 AND 4.01 WITH APPROPRIATE BUFFERS
- CONDUCTIVITY METER (ID# 190703), NOT FIELD CALIBRATED

SAMPLES COLLECTED: (NOTE: VOA'S WILL BE COLLECTED FIRST)

- VOA'S
- EXTRACTABLES / PRIORITY POLLUTANTS / PESTICIDES
- METALS (PRESERVED WITH HNO_3)
- CYANIDE (PRESERVED WITH NaOH)

DECONTAMINATION PROCEDURES:

PERSONNEL: DISPOSABLE LATEX GLOVES WILL BE CHANGED BETWEEN SAMPLES TO AVOID CROSS CONTAMINATION.

SAMPLE CONTAINERS: SAMPLE BOTTLES WERE RINSED WITH DISTILLED WATER AND WIPED DRY WITH A PAPER TOWEL.

SEE SAMPLE PAPERWORK FOR THE FOLLOWING FOR ALL RESIDENTIAL WELL SAMPLES:

- PHYSICAL DESCRIPTION
- FIELD MEASUREMENTS (pH, COND., TEMP.)
- SAMPLE ID# (OTR: ITR)
- CUSTODY TAG#
- AIRBILL #
- CHAIN OF CUSTODY
- CUSTODY SEAL #'S
- LABORATORIES
- BOTTLE LOT #'S

Ted Nehrkorn

FWI0149SA MAY 24, 1989

RESIDENTIAL WELL SAMPLES

RESIDENTIAL WELL SAMPLE: RW1
WELL DEPTH: 95'
AQUIFER: SAND & GRAVEL
NAME:
ADDRESS

Non-responsive

WATER TREATMENT: SOFTENER / DEIONIZER / (NONE) / OTHER
COLLECTED BY: R. BAYER, J. DICKSON
TIME: 1010
PHYSICAL DESCRIPTION: CLEAR
COMMENTS: WEST SIDE OF SHAFFER RD, TOP OF HILL NORTHWEST OF SITE

RESIDENTIAL WELL SAMPLE: RW2
WELL DEPTH: 44'
AQUIFER: SAND & GRAVEL
NAME: ED HARLING
ADDRESS: RT 7 BOX 442
CHIPPEWA FALLS, WI 54729
WATER TREATMENT: SOFTNER / DEIONIZER / (NONE) / OTHER
COLLECTED BY: W. PERPICH, T. NEHRKORN
TIME: 1045
PHYSICAL DESCRIPTION: CLEAR
COMMENTS: SOUTH OF SITE, EAST SIDE OF SHAFFER RD

Ted Nehrkorn

FWI0149SA

RESIDENTIAL WELL SAMPLE: ~~S3~~ TN RW3

WELL DEPTH: ~20'

AQUIFER: SAND & GRAVEL

NAME: Non-responsive

ADDRESS:

WATER TREATMENT: SOFTNER / DEIONIZER / (NONE) / OTHER

COLLECTED BY: W. PERRICH, T. NEHRKORN

TIME: 1000

PHYSICAL DESCRIPTION: ~~CLA~~ TN CLEAR

COMMENTS: BOTTOM OF HILL, WEST SIDE OF SHAFFER, RESEVOIR SOUTHWEST OF HOUSE. HIGH IRON CONTENT

RESIDENTIAL WELL SAMPLE: ~~S4~~ TN RW4

WELL DEPTH: ~110'

AQUIFER: SAND & GRAVEL

NAME: LINDA DEDRICKSON

ADDRESS: RT. 7 BOX 358 B
CHIPPEWA FALLS, WI 54729

WATER TREATMENT: SOFTNER / DEIONIZER / NONE / (OTHER)

COLLECTED BY: W. PERRICH, T. NEHRKORN

TIME: 1120

PHYSICAL DESCRIPTION:

COMMENTS: EAST OF SITE
USES IRON FILTER

Ted Nehrkorn

FWI0149SA MAY 24, 1989

RESIDENTIAL WELL SAMPLE: RW5

WELL DEPTH: 80-85'

AQUIFER: SAND & GRAVEL

NAME: Non-responsive

ADDRESS:

WATER TREATMENT: SOFTNER / DEIONIZER / (NONE) / OTHER

COLLECTED BY: R. BAYER

TIME: 1120

PHYSICAL DESCRIPTON:

COMMENTS: 2ND HOUSE, NORTH OF SITE

DUPLICATE SAMPLED AT: RW1

MSD COLLECTED AT: RW2

SAMPLES WERE NOT FILTERED.

FIELD MEASUREMENTS

SAMPLE	pH	COND ~~(µmhos)~~ PPM TN	TEMP. °C
RW1/DUP	7.16	60	16
RW2+MSD	8.18	50	17
RW3	6.85	140	18
RW4	8.36	45	16
RW5	7.58	50	18
BLANK	N.A.	N.A.	N.A.

Ted Nehrkorn

FW10149SA MAY 24, 1989

ADDITIONAL INFORMATION:

STAN HAGEN - OLD LANDFILL USED TO BURN ON SITE.

Ted Nehikon