EPA Region 5 Records Ctr.
255640

ecology and environment, inc.
International Specialists in the Environment

Job Number FT 1305

~~WALKER D~~ MXF
SOUTH DAYTON DUMP
MORAINE, OHIO
F05-8611-174
FOH0521SB
OHD980611388

E & E Job Number FT 1305

Telephone Code Number (312)663-9415

Site Name SOUTH DAYTON DUMP

State/City MORAINE, OH

TDD F05-8611-174

PAN F0H0521SB

SSID ——

Start/Finish Date 10/23/90 / 10/23/90

Book 1 of 1

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

SITE INSPECTION: SOUTH DAYTON DUMP

ADDRESS: 1976 Dryden (Springboro Rd).
Moraine, OH

CHIEF INSPECTOR: MICHELLE JASTER

FIT TEAM MEMBERS

NAME	RESPONSIBILITY
MIKE PHILLIPS	SITE SAFETY OFFICER
KELLY MALEY	SAMPLER
TIM MAYERS	TEAM MEMBER
BRAD STIMPLE	TEAM MEMBER

INTERVIEW HELD AT: Office on site

TIME + DATE OF INTERVIEW: 10/23/90 7:45am

SITE ACTIVITY DESCRIPTION

ARRIVAL: 7:45am

DEPARTURE: 1530

ONGOING WEATHER CONDITIONS
AM: Mostly Cloudy Low 40's
PM: Partly to Mostly Sunny Upper 60's

Michelle Jaster 10/23/90

PARTICIPATING PERSONNEL -- Interview

NAME	AFFILIATION	SITE DUTIES
Alcine Grillot	Dump Operator	Same
Michelle Jaster	FIT	—
Tim Mayers	FIT	—

PERSONNEL AT SITE:
Mr. Alcine Grillot
~~Mr.~~ Jane Lagasse - OEPA
Donna Bohannon - OEPA

PROPOSED WORK SUMMARY:
1. INTERVIEW SITE REPRESENTATIVE
2. SET-UP DECONTAMINATION STATION/HOTLINE
3. ESTABLISH SITE BOUNDARIES
4. COLLECT 13 SOIL/SEDIMENT SAMPLES USING TROWELS AND/OR SHOVEL, HAND AUGER, POST-HOLE DIGGER, POWER AUGER.

Only 11 soil ~~set~~ samples were collected. The work plan called for 2 sediment samples from lagoons on-site as well. No lagoons were observed by FIT, so no sediment samples were collected.

SAMPLING EQUIPMENT
Trowels, Bowls, Shovel
Viton gloves, Tyvek, Booties, Steel-toed boots, TLD Badges

Michelle Jaster 10/23/90

RESULTS OF SITE SAFETY SCREENING PROCEDURES:

SAFETY MEETING:
CONDUCTED AT: 8:30am

SITE OBSERVATIONS

NUMBER BLDGS ON SITE: Couple trailers, Buckeye Fabricating Contr. Leased - make steel tanks of all sorts + test for leaks
APROXIMATE SIZE: ~40 acres total

SITE SECURITY/FENCING: Locked gate @ entrance (driveway) - Delco Moraine drivers have keys, Relatively unaccessible from other sides → not very visible from road.
DESCRIPTION OF SURROUNDING TOPOGRAPHY:
Variable w/in site itself. Various mounds of ash, pallets, concrete thruout site. Two depressions on-site: 1 in West sect (shallow) + 1 in East sect (deep).
Borders:
N: car yard (~3H), junk, pallets
Miami River ~500 yds away from East edge thru trees
S: Pallet Comp ~ gully separates 2 properties, electrical wires
E: Dryden Road ~ gate ~100 ft from road, Buckeye Fabricating
W: Forest w/ steep grade (down). Huge H_2O-filled abandoned gravel pit beyond trees (~300 yds away).
DISTANCE TO NEAREST OFF-SITE BLDG:
Pallet Company next door to South
Located ~200 ft to South of property line

DISTANCE TO NEAREST POPULATION:
Industrial Area
City of Moraine to S
City of Dayton to N

Michelle Foster 10/23/90

DISTANCE TO NEAREST SURFACE WATER:
Miami River - ~500 yds E of eastern site boundary

SURFACE WATER ROUTES:
Groundwater flow believed to be westerly towards Great Miami River

SITE SLOPE + DIRECTION:
Varies thruout site - ~~NW~~ NE most boundary slopes in to site
NW, SW + W slope away from site but boundaries are partially blocked w/ trees, cement, wastes etc...
TERRAIN AVE. SLOPE:
Varies throughout site

DISTANCE TO COMMERCIAL/INDUSTRIAL LAND:
Located inside industrial area of Moraine, OH

DISTANCE TO RESIDENTIAL AREAS OR FORESTS:
Site bordered on 2 sides (W+NW) by trees

DISTANCE TO AGRICULTURAL LAND:
N/A

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— CONVERSATIONS WITH SITE REPRESENTATIVES

• When was dump first opened?
before Cyril owned it

• Always owned by Cyril Grillot + the Boesch's while operating as a dump? ~1941

• Prior uses before being operated as a dump?
always dump — entire area
Power + Light } all built
St. Elizabeth Hospital } on dump sites

• How long have you (A. Grillot) been operator?
since 1950 or 1951

• Types of wastes accepted in past? Quantities? Disposal practices?
Everything burnt — whole area
Garbage — burnt everything — took all metals out

• Any barrels accepted? Contents? Source? Quantity?
Not too many
Barrels hauled in as scrap — hauled into scrap yds
Possibly from burning in yards

• Procedure w/ barrels + contents (emptied, buried, burned)?
Hauled into scrap yards

• Any knowledge of haz wastes accepted?
Not offhand

• Type of cover applied? Amount?
Own cover — dirt, brick, concrete, clay, fly ash
being taken in @ same time

• Current permit for solid waste — true? yes
Any other permits ever issued? incinerator — 1970 —
Dept of Health tried to ~~accept~~ MFJ help get incinerator accepted
Currently both city + state "permits" (verbal permission)
$100/yr to Moraine
no solid waste permit ever
no garbage

• Current disposal practices? What wastes accepted?
Quantities? Cover? Source?
wooden pallets
scrap wood
gravel
concrete, concrete block
~3 loads/day (from 1–6 (wknds) average)
1½ yrs ago — no fly ash

Delco ~~Marine~~ Moraine — drivers have keys, deposit where they are supposed to
MJF 10/23
Only waste source

- Any employees on-site?
  None on regular basis
  Give wood + concrete blk away
- Any knowledge of complaints of injuries or exposures on-site?
  No
- Any knowledge of past fires or explosions?
  No
- Any knowledge of past soil testing in area?
  E+E 4 or 5 yrs ago — no sampling

A portion of each sample collected by FIT from site property was offered to site representatives.... The offer was declined.

Permission to dump wash water? yes

Permission to dispose of site-derived waste?
Dumpster out front

OEPA correspondence — see file for letter dated 4/11/90 — Given to me by A. Grillot
driveway permit
changes in procedure from landfills
see letter dated 4-11-90
Visited many times — no soil sampling

SITE ACTIVITIES

0745 - arrive at site. Michelle + Tim conduct interview w/ Mr. A. Grillot in on-site office
0815 - Set up decon + calibrate equipment
0830 - Safety mtg conducted by Mike Phillips
0845 - Meeting finished - finish setting up site
0910 - Start decon
0950 - Jane Lagasse + Donna Bohannon of OEPA arrive + continue on decon with FIT 1015 decon ends
1030 - Brad, Mike + Tim leave to collect S1 + S2
1140 - Mike collects S3
- Brad collects S2
1130 - Tim collects S1
1150 - Mike collects S4
1225 - Mike collects S7; Jane + Donna leave site
1235 - Mike collects S8
1230 - Tim collects S5
1245 - Brad collects S6
1330 - Tim collects S9
1335 - Mike collects S11
1345 - Brad collects S10
1355 - Jane + Donna return to site
1400 - Brad, Mike + Kelly finish sample paperwork + cleanup of site. Tim + Michelle return to sampling locations + take pictures of area.
1510 - Tim + Michelle return to vehicles.
1515 - Michelle, Mike + Brad take down decon station. Receipts given to Mr. Alvine Grillot. Mike, Brad + Tim return to hotel.
1530 - Michelle + Kelly taken samples to Fed Ex

Soil/Sediment/Surface Water #: S1
Time: 1130 Composite/Grab
Surface/Depth: ~15 ins
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Tim Mayers
Location: In W. pit, next to (S side of) incinerator doors
Comments/Physical Description: Grey black fill material (pebbly)

Soil/Sediment/Surface Water #: S2
Time: 1140 Composite/Grab
Surface/Depth: 0-6 ins
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Brad Stimple
Location: Center of Western pit
Comments/Physical Description: Dark brown saturated sandy silt

Soil/Sediment/Surface Water #: S3
Time: 1140 Composite/Grab
Surface/Depth: 0-6 ins in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Mike Phillips
Location: Next to Barrel Labelled Nickel, Along circle at head of driveway
Comments/Physical Description: Dark brown loam

Soil/Sediment/Surface Water #: S4
Time: 1150 Composite/Grab
Surface/Depth: 0-6 ins
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Mike Phillips
Location: On top of pile of ash behind office trailer
Comments/Physical Description: Black sandy ash

Soil/Sediment/Surface Water #: S5
Time: 1230 Composite/Grab
Surface/Depth: 6-12 in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Tim Mayers
Location: W of incinerator ~from area above pit. (~grnd level)
Comments/Physical Description: Black sandy loam

Soil/Sediment/Surface Water #: S6
Time: 1245 Composite/Grab
Surface/Depth: ft. 0-6 in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Brad Stimple
Location: from debri-filled area at end of road (W portion of site)
Comments/Physical Description: Black sandy loam

Soil/Sediment/Surface Water #: S7
Time: 1225 Composite/Grab
Surface/Depth: 0-6 ins ~~ft~~ ~~in~~
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Mike Phillips
Location: In open area next to car dump
Comments/Physical Description:
Black sandy ash

Soil/Sediment/Surface Water #: S8
Time: 1235 Composite/Grab
Surface/Depth: 0-6 ins ~~ft~~ ~~in~~
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Mike Phillips
Location: In gully on SW side of site gulley has flows on W direction on E
Comments/Physical Description: Black + brown sandy loam

Soil/Sediment/Surface Water #: S9
Time: 1330 Composite/Grab
Surface/Depth: 0-6 in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Tim Mayers
Location: On edge of lg open area in center of site
Comments/Physical Description:
Light blk silty sand loam

Soil/Sediment/Surface Water #: S10 (Potential background)
Time: 1345 Composite/Grab
Surface/Depth: ft 0-6 in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Brad Stimple
Location: beyond NW site boundary, downslope + next to Miami River
Comments/Physical Description: Dark brown—well aerated loam

Soil/Sediment/Surface Water #: S11
Time: 1335 Composite/Grab
Surface/Depth: 0-6 in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Mike Phillips
Location: At West edge of gully
Comments/Physical Description:
Dark Grey clay loam
1-2ppm above bkgrnd w/OVA in hole
Breathing zone okay

Soil/Sediment/Surface Water #: S12
Time: Composite/Grab
Surface/Depth: ft in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by:
Location:
Comments/Physical Description:

MJ 10/23/90

Soil/Sediment/Surface Water #:
Time: Composite/Grab
Surface/Depth: ft. in.
Technique: Shovel/trowel/spoons/bowl post-hole digger/hand auger/other-describe.
Collected by:
Location:
Comments/Physical Description:

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The two sediment samples proposed in the work plan were not collected because no on-site lagoons were observed.
In addition, most of the soil samples collected were shallow. On-site conditions made it impossible to power auger or even shovel deep. Misc. steel + metal debris was scattered + buried throughout the site.
mdf 10/23/90

Soil/Sediment/Surface Water #:
Time: Composite/Grab
Surface/Depth: ft. in.
Technique: Shovel/trowel/spoons/bowl post-hole digger/hand auger/other-describe.
Collected by:
Location:
Comments/Physical Description:

mdf 10/23/90

Soil/Sediment/Surface Water #:
Time: Composite/Grab
Surface/Depth: ft. in.
Technique: Shovel/trowel/spoons/bowl post-hole digger/hand auger/other-describe.
Collected by:
Location:
Comments/Physical Description:

mdf 10/23/90

[illegible] COMPLETE PAPERWORK
FOR THE FOLLOWING:
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] DECONTAMINATION TECHNIQUES
[illegible] MEASUREMENTS
RECEIPT FOR SAMPLES

DECONTAMINATION PROCEDURES
-ALL EQUIPMENT SCRUBBED WITH AN ALCONOX/DISTILLED WATER SOLUTION AND ~~THREE~~ mdf TRIPLE-RINSED WITH DISTILLED WATER.
(PERFORMED BY: Stimple, Mayers, Phillips + Juster).
PERSONNEL DECONTAMINATION, IF NECESSARY, BY SCRUBBING WITH ALCONOX/DISTILLED WATER AND RINSING WITH DISTILLED WATER

Michelle Juster 10/23/90

Rokinon 35-EF ID #: none
Kodacolor Gold 200 speed ROLL #: 1
36
MJ

TAKEN BY:	TIME	FRAME #	DIRECTION	SUBJECT
MJ	1140	1	N/NW	Closeup S3
MJ	1140	2	N/NW	Perspective S3
MJ	1150	3	W	Closeup S4
MJ	1150	4	W/SW	Perspect S4
MJ	1150	5	W/NW	Perspect S4
MJ	1225	6	N	Closeup S7
MJ	1225	7	N/NW	Perspec S7
MJ	1235	8	N ~~NW~~ MJ	Closeup S8
MJ	1235	9	N ~~NW~~ MJ	Perspec S8
MJ	1235	10	W/SW	Perspec S8 ✓
MJ	1335	11	W	Closeup S11
MJ	1335	12	W	Perspec S11 ✓
MJ	1400	13	N/NE	persp of front
MJ	"	14	NE	part of
MJ	"	15	E	site taken
MJ	"	16	N/NW	in depression in middle
MJ	1430	17	SW	perspec of
MJ	"	18	SW	furnace +
MJ	"	19	SW	truck area
MJ	1435	20	SW	Close up S5
MJ	1440	21	NW	Doors to Furnace
MJ	1440	22	NW	Close up S1
MJ	1440	23	SW	S2
MJ	1450	24	NW	Close up S6
MJ	1450	25	NW	Perspec S6

Michelle Foster 10/23/90

PHOTOGRAPHS

CAMERA MODEL: Rokinon 35-EF ID #: none
FILM TYPE: Kodacolor Gold 200 speed ROLL #: 1 (continued)
OF ROLL PHOTOGRAPHS: 36
PHOTOGRAPHER: MJ

TIME	FRAME #	DIRECTION	SUBJECT
1455	26	SE	View of pallets @ end of road
1500	27	E	S10 Closeup
1510	28	W	S9 Closeup
1510	29	W	S9 Perspec

~~30~~ MJ 10/23/90

Picture Frame #30-36 were not taken.
Only 1 roll (36 exposures) were used.

Michelle Foster 10/23/90

MJ 10/23/90