US EPA RECORDS CENTER REGION 5
559547

ecology and environment, inc.

International Specialists in the Environment

Job Number FT 1305

Site Name: Murrell Landfill

Address: Joynt Rd. and Hill Rd. Decatur, IL.

US EPA #: ILD 980901540

TDD # F05-8612-070

PAN # FIL049258

E & E Job Number FT 1305

Telephone Code Number 312) 23-9415

Site Name Morrell Landfill
Joint Rd and Hill Rd

State/City Decatur / Illinois

TDD F05-8612-070

PAN FIL 0492SB

SSID None

Start/Finish Date 2/21/90 / 2/21/90

Book 1 of 1

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

Jeff Tonka

FIL0492SA Date: 2/21/90

Murrell Landfill
Decatur, IL

TDD: F05-8612-070
PAN: ~~FIL09~~ FIL0492SB
EPA ID: ILD980901540

FIT Team Members: Jeff Taylor - Team Leader
Jeff Dickson - Site Safty officer
Tim Mayers - Sampler
Karen Spangler - Team member/Alt safty officer

Site Activity Description:
Arrival at Site: Date: 2/21/90 Time: 8:45 am
Departure from site Time: 16:10
Interview Start: 10:01 End: 10:30

Ongoing Weather Conditions: Sunny Clear mid 40's

Proposed Work Today:
1. Interview site Representatives
2. Setup Decontamination station /Hotline
3. Establish Site boundaries
4. IDentify Emergency Egress routes to get offsite
5. Collect 6 soil Samples
6. Collect 4 Residential wells

Jeff Taylor

4 JT
~~FMN~~ FIL04925B

2/21/90

Non-FIT Participating Personnel:

Name	Title	Affiliation	Address
Ruben Murrell Jr.		Murrell Disposal	
Mrs Ruben Murrell Sr.		Murrell Disposal	RR 8 Box 153 Decatur, IL

Interview with Site Representatives:

Reuben Murrell Sr
Mrs. Reuben Murrell Sr.
Jeff Taylor
Karen Spangler

Jeff Taylor

FIL04925B renting? 2/21/90

General Site Questions:

Site size: 6 acres

Buildings: 1 trailer - trying to get rid of

Wells: no

shack onsite ~ 1951-52

Fenced: no gate fenced rest of way

Other means of control of access:

Employees onsite:
only when picking up containers

people have been dumping garbage here w/out their knowledge at night

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10:01

Ownership Questions:

How long:
since 1962

Who owned property before:

Arnold Murrell
owned for 10 yrs
dump before that
owned by Trottman

Years operated as landfill:
rolloff park trucks & garbage
containers
debris on ground was here
trucks, etc is there

Prior uses of land:
Arnold used as dump
↓
hauled garbage
school / restaurants
few commercial
Schiller's cleaners
hotel

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Site Operations:

types materials / waste accepted:
none

quantity:

from whom:

Sawberg

const workers covered lots of stuff w/ dirt
year unknown
believed 10-12 yrs ago

Jeff Taylor

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Details on IEPA Contact:
(IPCB - $200 fine in '78; other violation notices)

had rented to Willie Austin
that's when IEPA was here - for stuff he dumped

no fines or violations supposedly received that they know of

renting property to "p." for hogs

Other inspections:

IEPA woman at house recently in summer of 89
asking ?'s about solvents use - they use soap & water

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Landfill Details:

liner:

cover:

fill/daily cover material:

leachate system:

Permits?:
no permits
license from city to haul garbage

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Murrell's Disposal
- pick up garbage
- take to Macon Co. Lndfl
daily
3 sons run business
no other employees
been in business
since ~ '63-'64
maybe before

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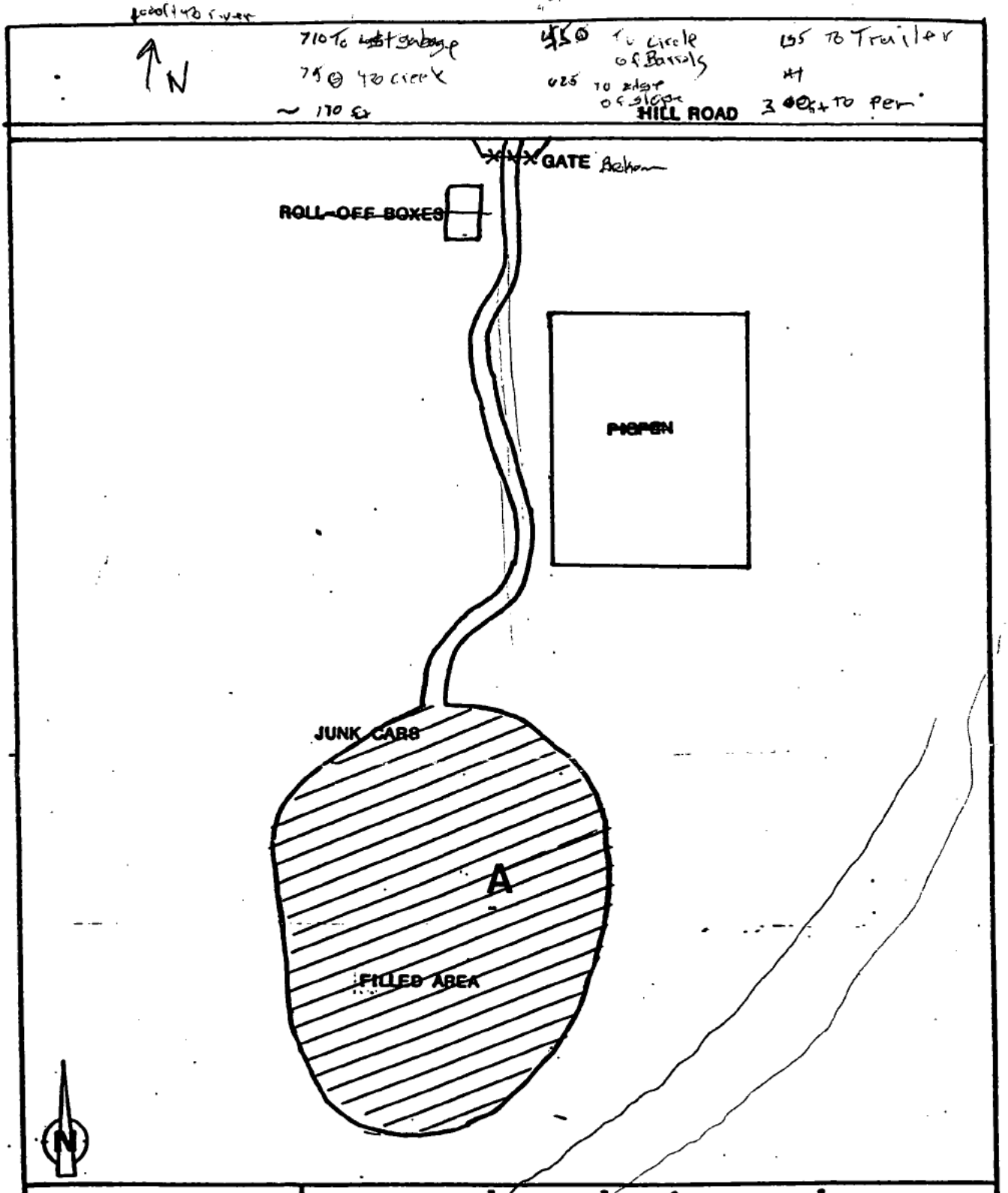

LEGEND

DOCUMENTED AREA OF CONTAMINATION

ALLEGED AREA OF CONTAMINATION

(A) LETTERED ITEMS CORRESPOND TO TABLE 1

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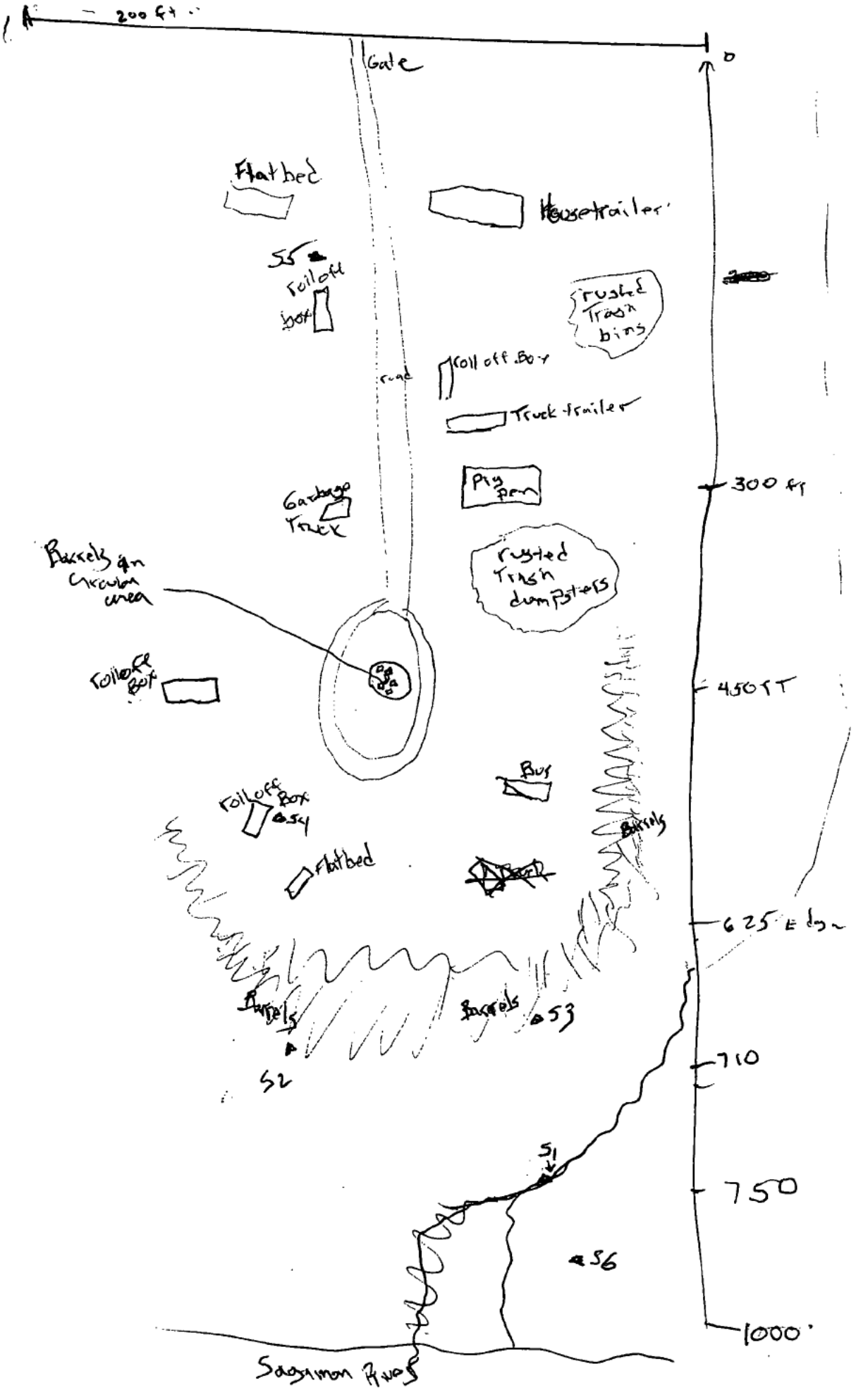
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

TITLE DOCUMENTED/ALLEGED TARGET COMPOUND MAP	FIGURE # 2
SITE MURRELL LANDFILL	SCALE NOT TO SCALE
CITY DECATUR STATE ILLINOIS	P.A.N. FIL0492SA
SOURCE REFERENCES:10, 11, 12	DATE 1989
	REVISED

FIL 04925B

2/21/90

recycled paper
ecology and environment



Jeff Taylor

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2/21/90

Jeff Taylor

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Site Sketch / Map (Not to Scale)

See attached map

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FIL04925B 2/21/90

Site Activity Chronology

845am Arrive at site
9.00am Karen, Tim went to collect RW1 and RW2
Jeff and Jeff went to collect RW3 and RW4
Karen will Take photos of RW1 and RW2
Jeff D will Take photos of RW3 and RW4 with his own camera.
9:10 Jeff D collected RW3
930 Jeff D collected RW4
920 Karen Collected RW1
10:01 Interview with Ruben Murrell Jr. and Mrs Ruben Murrell Sr.
1030 Interview concluded
1035 Safty meeting conducted by J. Dickson
1100 Begin recon
1150 Recon Ended
1300 S1 collected at Base of slope in small creek
1316 S2 collected
1335 S3 collected
1415 S6 collected (background)
1430 S4 collected
1440 S5 collected
1505 RW2 collected
1550 coolers packed
1610 Departed from site

Jeff Taylor

FIL 0492 SB 2/21/90

Jeff Taylor

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Photograph log

Camera Used: J Dickson Personal Camera

ID#:

Film Type Used: Kodacolor 100

Frame #	Direction	Location/Subject	Time
1	N	RW3 close up	9 10
2	N	RW3 Perspective	9 10
3	E	RW4 close up	9 30
4	E	RW4 Perspective	9 30
5	SW	Metal Howlers removing debris in roll off box	11 15
6	N	S1 close up	13 00
7	N	S1 Perspective	13 00
8	NE	from S1 Looking NE	13 00
New Roll			
1	NW	from S1 looking NW	1300
2	N	S2 Close up	1316
3	N	S3 close up	13 35
4	N	S3 perspective	13 35
5	S	Tributary entering Sagamon R.	1410
6	N	from Edge of River looking Towards Lim fill	1410
7	N	S6 close up	1415
8	N	S6 Perspective	1415
9	W	S4 close up	1430
10	W	S4 perspective	1430
~~11~~	~~SJ~~ N	~~Enterance~~ JT Entrance	1445
12	NW	~~Neibors~~ House next door	1445
13	S	Trailer and Trucks	

JT

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FIL04925B

~~Soil Sample Collection~~

~~Sampling equipment:~~

~~Samples Collected:~~

- ~~VOA's~~
- ~~Extractables~~

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2/21/90

Photo log (con't)

1	RW1 Close up	920
2	RW1 Perspective	920
5	S Toward center of area	
6-14	Panarama of Site	1455
17	Coolers open	1550
~~18~~	~~NW corner of site~~	~~1600~~
19		
20	ST	
11	SS close up	
12	SS perspective	
13	~~Entrance~~ JT Entrance	
14	House Next Door	
15	House Trailer + Truck	
21	"Industrail Waste" East	1455
~~6-14~~	~~Panarama from center site~~	~~1455~~
	JT	
22	NW corner of Site	1600
23		
24		

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Soil Sample Collection

Sampling Equipment:

- Shovel bowls
  Trowels spoons

Samples Collected:

- VOA's
- Extractables / Priority Pollutants / Pesticides
- Total Metals and Cyanide

Decontamination Procedures

Equipment: Sampling equipment was scrubbed with an alconox / distilled water solution and triple rinsed with distilled water

Personnel: Tyvek, disposeable gloves, and disposeable boots were stripped off and discarded.

Sample containers: Following the collection of the samples, the sample bottles were washed with the alconox / distilled water solution, Rinsed with distilled water and wiped dry with a paper towel

See Safty plan for further decontamination procedures

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Soil/Sediment/Surface Water #: 1

Time: 1300 Composite/Grab

Surface/Depth: ---------- ft. 0-6 in.

Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.

Collected by: K Spangler

Location: in streambed at base of landfill

Comments/Physical Description:

Soil/Sediment/Surface Water #: 2

Time: 1316 Composite/Grab

Surface/Depth: ---------- ft. 0-6 in.

Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.

Collected by: K Spangler

Location: SW edge of slope under barrels

Comments/Physical Description:

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Soil/Sediment/Surface Water #: 3
Time: 13 35 Composite/Grab
Surface/Depth: _____ ft. _____ in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: K Spangler
Location: South edge bottom of fill by barrels
Comments/Physical Description:
Soil was very moist under barrel
Dark black soil some red parts

Soil/Sediment/Surface Water #: 4
Time: 14 30 Composite/Grab
Surface/Depth: _____ ft. _____ in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: J Dickson
Location: By Rolloff Box Next to Barrells
Comments/Physical Description:

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Soil/Sediment/Surface Water #: 5
Time: 14 40 **Composite / Grab**
Surface / Depth: _____ ft. _____ in.
Technique: Shovel / trowel / spoons / bowl
post-hole digger / hand auger / other - describe.
Collected by: J Dickson
Location: Across road from House Trailer area of discolored soil
Comments / Physical Description:

Soil/Sediment/Surface Water #: 6
Time: 14 15 **Composite / Grab**
Surface / Depth: _____ ft. _____ in.
Technique: Shovel / trowel / spoons / bowl
post-hole digger / hand auger / other - describe.
Collected by: J Dickson
Location: on Ridge on opposite side of small creek from Landfill
Comments / Physical Description:

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Safety equipment

Equipment	ID#	Background reading	Calibration	Onsite reading

See On Site Safty log

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~~Surface~~
Residential Well Collection:

RW1 K. Spangler collected from well located outside of Trailer

RW2 J. Dickson collected from spigot on outside of house

RW3 J. Dickson collected Sample from outside spigot located off driveway at 9:10 am

RW4 J. Dickson collected Sample from outside spigot ~~off~~ on west side of house

Equipment

conductivity meter # 190703
PH meter # 611974

Jeff Taylor

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Residential / Municipal Well #: 1
Time: 9 20 Collected by: K. Spangler
Well depth: 95 ft
Name: [redacted]
Address: [redacted]
Water Treatment: softner / carbon / none / other
Comments:

PH - 6.40
Conductivity - 600 u mohs
Temp - 11° c

Duplicate taken at RW1

Residential / Municipal Well #: 2
Time: 1305 Collected by: J Dickson
Well depth:
Name: [redacted]
Address: [redacted]
Water Treatment: softner / carbon / none / other
Comments:

PH 7.42
conductivity 410 u mohs
Temp 12° c

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FIL049258 2/21/90

Residential / Municipal Well #: 3
Time: 9 10 am Collected by: J. Dickson
Well depth: 45 ft
Name: Non - Responsive
Address: Non - Responsive
Water Treatment: softner / carbon / none / other
Comments: Potiential Upgradient sample
located at ~~NW~~ NE corner of Joynt and Hill Rd

J.D. Took 2 photos

pH 6.46
Conductivity 675 u mohs
Temp. 12°C

Residential / Municipal Well #: 4
Time: 9:30 Collected by: J Dickson
Well depth: 91 ft
Name: Non - Responsive
Address: Non - Responsive
Water Treatment: softner / carbon / none / other
Comments: Located just west of site ~ 10 yards
JD Took Two Photos

pH 6.30
Conductivity 560 u mohs
Temp 11° C

Jeff Taylor