EPA Region 5 Records Ctr.
362860

CH2M HILL Field Oversight Photographs and Field Notes
Eagle Zinc Site
Hillsboro, Illinois

WA No. 136-RSBD-B5Y7 / Contract No. 68-W6-0025
March 26, 2003

CH2M HILL
727 North First Street
Suite 400
St. Louis, MO
63102-2542
Tel 314.421.0900
Fax 314.421.3927

CH2MHILL

March 26, 2003

175041.FI.01

Mr. Dion Novak
Remedial Project Manager (SR-6J)
U.S. Environmental Protection Agency
Region 5
77 W. Jackson Blvd
Chicago, IL 60604-3590

Subject: WA No. 136-RSBD-B5Y7, Contract No. 68-W6-0025
Eagle Zinc Site, Hillsboro, Illinois
Field Oversight Deliverables

Dear Dion:

As requested, enclosed are copies of CH2M HILL's field notes and photographs generated during our field oversight of the Phase 2 RI Sampling Program conducted by ENVIRON from March 10 through March 19, 2003 at the Eagle Zinc Site in Hillsboro, Illinois.

Please call if you have any questions regarding this information.

Sincerely,

CH2M HILL

Tim Biggs
Site Manager

Eagle Zinc Ph 2 Field Oversight Deliverables Cover Letter.doc

c Stephen Nathan, PO/U.S. EPA, Region 5 (w/o enclosure)
Dave Alberts, CO/U.S. EPA, Region 5 (c/o Thomas Harrison, CS) (w/o enclosure)
Ike Johnson, PM/CH2M HILL, MKE
Dan Plomb, DPM/CH2M HILL, MKE
Lauri Gorton, QAM/CH2M HILL, MKE
Cathy Barnett/CH2M HILL, STL
Cherie Wilson/CH2M HILL, MKE

Phase II Remedial Investigation / Feasibility Study Oversight

Photo Log (3/10/2003 - 3/19/2003)

Pic Number	Date	Time	Subject
1	3/10/2003	1230	Facing NE, Surface water location SWED-16, Creek off Hillsboro Lake
2	3/10/2003	1248	Facing W, Surface water location SWED-13, E of Site and Industrial Drive
3	3/10/2003	1258	Facing S, Surface water location SWED-11, N of Site and Smith Road
4	3/10/2003	1315	Facing W, Surface water location SWWD-6, SW of Site
5	3/10/2003	1330	Facing W, Permanent piezometer P01, E edge of Site
6	3/10/2003	1500	Facing W, Surface water location SWWD-7, Standing on top of Residue hill W of SW pond
7	3/10/2003	1501	Facing E, Standing at same spot as Pic 6 looking at SW pond
8	3/10/2003	1505	Facing E, At Surface water location SWWD-7 looking at Residue hill
9	3/10/2003	1515	Facing E, Surface water location SWWD-PS, SW corner of SW pond
10	3/10/2003	1520	Facing S, Surface water location SWWD-8, Creek on S edge of Site
11	3/10/2003	1600	Facing W, Surface water location SWWD-10, Drainage creek on lumber yard S of Site
12	3/10/2003	1630	Facing W, Surface water location SWWD-PN, S bank of NE corner of SW pond
13	3/10/2003	1700	Facing N, Surface water location SWWD-9, upstream (NE) of SW pond
14	3/11/2003	0901	Facing S, Permanent piezometer P03, E.Z. building in background
15	3/11/2003	0930	Facing W, Residue pile RR2-11
16	3/11/2003	0945	Facing W, Residue pile location RR2-11-S1
17	3/11/2003	0956	Facing W, Residue pile location RR2-11-S2
18	3/11/2003	1006	Facing NW, Residue pile location RR2-11-S3
19	3/11/2003	1027	Facing SE, Residue pile location RR2-11-S4
20	3/11/2003	1045	Facing S, Residue pile location RR2-11-S5
21	3/11/2003	1050	Facing SE, Residue pile location RR2-11-S7
22	3/11/2003	1105	Facing NW, Residue pile location RR2-11-S6
23	3/11/2003	1133	Facing SE, Permanent piezometer P05, NW corner of Site
24	3/11/2003	1140	Facing SW, Permanent piezometer P04, NE corner of Site
25	3/11/2003	1200	Facing NE, Residue Pile RR1-3
26	3/11/2003	1204	Facing S, Residue Pile RR1-3
27	3/11/2003	1220	Facing N, Permanent piezometer P06, E –central portion of Site with buildings N
28	3/11/2003	1340	Facing W, Permanent piezometer P02, E.Z. office in background
29	3/11/2003	1426	Facing S, Miscellaneous pile MP1-21
30	3/11/2003	1426	Facing S, Miscellaneous pile MP1-21, W of Pic 29
31	3/11/2003	1434	Facing SW, Miscellaneous pile location MP1-21-S1 from pile in foreground
32	3/11/2003	1443	Facing NW, Miscellaneous pile location MP1-21-S(2,3),

			W-most MP1-21 pile
33	3/11/2003	1505	Facing W, Temporary piezometer P07, Central portion of Site, plant building in background
34	3/11/2003	1644	Facing NE, Temporary piezometer P08, SW to S-central portion of Site, plant building in background
35	3/11/2003	1727	Facing E, Temporary piezometer P09, SW portion of Site
36	3/12/2003	0920	Facing S, Temporary piezometer P10, SW pond in background
37	3/12/2003	1451	Facing N, Monitoring well MW01, E-central portion of Site, plant buildings in background
38	3/12/2003	1646	Facing NW, Monitoring well MW02, N-central portion of Site, train-tracks and plant buildings
39	3/13/2003	0937	Facing NE, Monitoring well MW03, Residue pile RR2-11 in background
40	3/13/2003	1120	Facing SE, Monitoring well MW04, Residue pile RR2-11 in background
41	3/13/2003	1540	Facing N, Monitoring well MW05, NW portion of Site, concrete building in background
42	3/14/2003	0905	Facing NE, Monitoring well MW-06, S-central portion of Site, plant buildings in background
43	3/14/2003	1020	Facing S, Monitoring well MW07, S-central portion of Site, boring Al-25 in foreground
44	3/14/2003	1450	Facing S, Monitoring well MW08, SW corner of Site
45	3/14/2003	1710	SE-NW, MW09, SW pond in background
46	3/19/2003	1050	Facing N, Surface water location SWED-16, resample
47	3/19/2003	1055	Facing SW, Surface water location SWED-11, resample
48	3/19/2003	1110	Facing W, Surface water location SWED-13, resample
49	3/19/2003	1130	Facing W, Surface water location SWWD-6, resample
50	3/19/2003	1141	Facing W, Surface water location SWWD-10, resample
51	3/19/2003	1156	Facing S, Surface water location SWWD-8, resample
52	3/19/2003	1225	Facing N, Surface water location SWWD-9, resample
53	3/19/2003	1236	Facing W, Surface water location SWWD-PN, resample
54	3/19/2003	1300	Facing E, Surface water location SWWD-PS, resample
55	3/19/2003	1315	Facing W, Surface water location SWWD-7, resample

*Environ went back to SW locations to take extra volume needed from the 3/10/2003 SW sampling event. A significant rainfall event occurred the night prior to re-sampling and it was raining the day of re-sampling (3/19/2003). An attempt was made to take Picture numbers 46-55 from the same view as the previous SW location pictures were taken to show effect of rainfall on locations.

Pic 1 3/10/2003-1230

Facing NE, Surface water sample location SWED-16, Creek off Hillsboro Lake

Pic 2 3/10/2003-1248

Facing W, Surface water location SWED-13, E of Site and Industrial Drive

Pic 3 3/10/2003-1258
Facing S, Surface water location SWED-11, N of Site and Smith Road

Pic 4 3/10/2003-1315
Facing W, Surface water location SWWD-6, SW of Site

Pic 5 3/10/2003-1330
Facing W, Permanent piezometer P01, E edge of Site

Pic 6 3/10/2003-1500
Facing W, Surface water location SWWD-7, Standing on top of Residue hill W of SW pond

Pic 7 3/10/2003-1501

Facing E, Standing at same spot as Pic 6 looking at SW pond

Pic 8 3/10/2003-1505

Facing E, At Surface water location SWWD-7 looking at Residue hill

Pic 9 3/10/2003-1515

Facing E, Surface water location SWWD-PS, SW corner of SW pond

Pic 10 3/10/2003-1520

Facing S, Surface water location SWWD-8, Creek on S edge of Site

Pic 11 3/10/2003-1600

Facing W, Surface water location SWWD-10, Drainage creek on lumber yard S of Site

Pic 12 3/10/2003-1630

Facing W, Surface water location SWWD-PN, S bank of NE corner of SW pond

Pic 13 3/10/2003-1700

Facing N, Surface water location SWWD-9, upstream (NE) of SW pond

Pic 14 3/11/2003-0901

Facing S, Permanent piezometer P03, E.Z. building in background

Pic 15 3/11/2003-0930
Facing W, Residue pile RR2-11

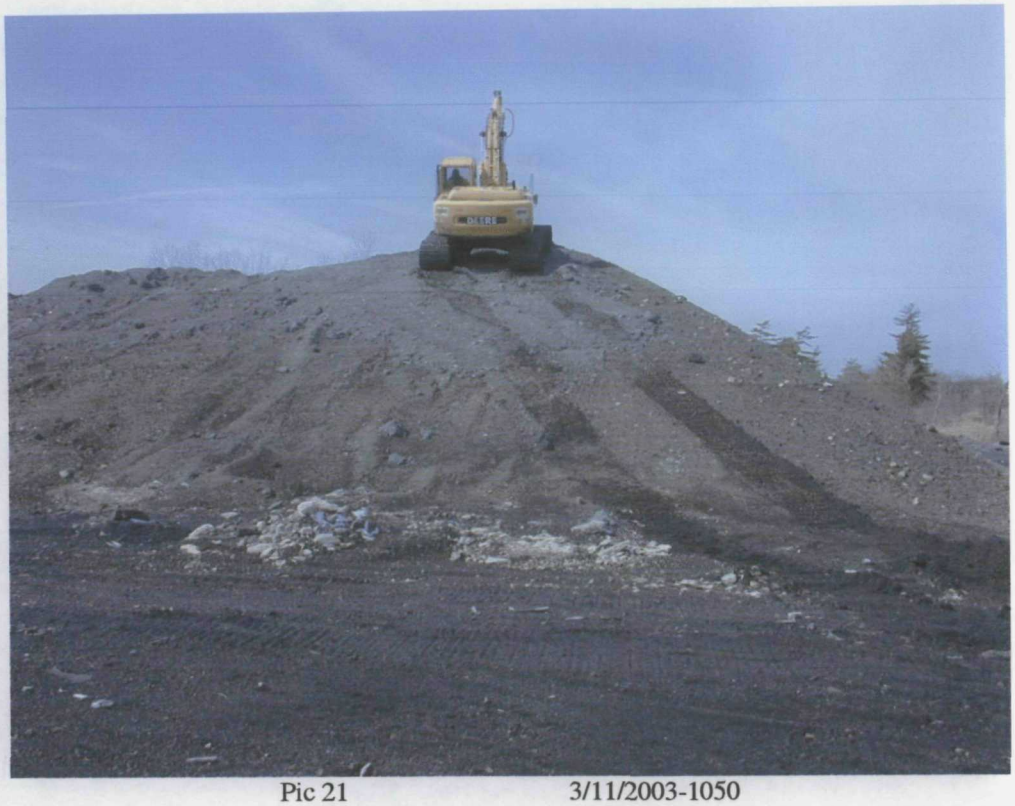
Pic 16 3/11/2003-0945
Facing W, Residue pile location RR2-11-S1

Pic 17 3/10/2003-0956
Facing W, Residue pile location RR2-11-S2

Pic 18 3/11/2003-1006
Facing NW, Residue pile location RR2-11-S3

Pic 19 3/11/2003-1027
Facing SE, Residue pile location RR2-11-S4

Pic 20 3/11/2003-1045
Facing S, Residue pile location RR2-11-S5



Pic 21 3/11/2003-1050
Facing SE, Residue pile location RR2-11-S7

Pic 22 3/11/2003-1105
Facing NW, Residue pile location RR2-11-S6

Pic 23 3/11/2003-1133
Facing SE, Permanent piezometer P05, NW corner of Site

Pic 24 3/11/2003-1140
Facing SW, Permanent piezometer P04, NE corner of Site

Pic 25 3/11/2003-1200
Facing NE, Residue pile RR1-3

Pic 26 3/11/2003-1204
Facing S, Residue pile RR1-3

Pic 27 3/11/2003-1220

Facing N, Permanent piezometer P06, E-central portion of Site with buildings N

Pic 28 3/11/2003-1340

Facing W, Permanent piezometer P02, E.Z. office in background

Pic 29 3/11/2003-1426
Facing S, Miscellaneous pile MP1-21

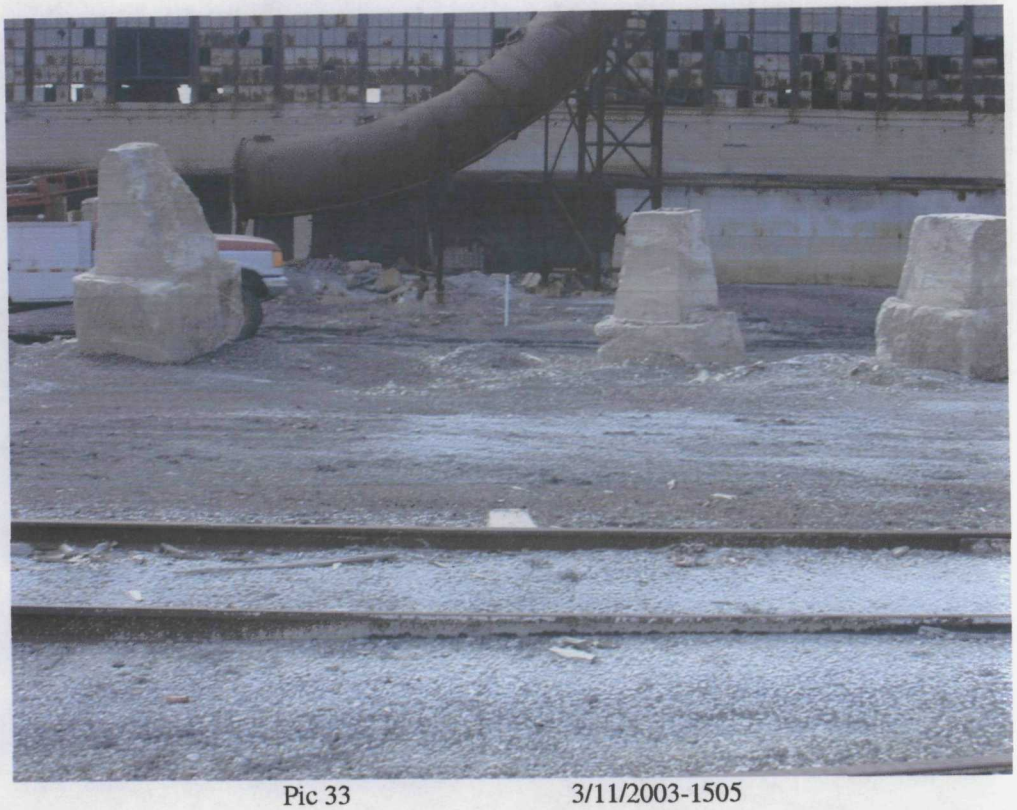
Pic 30 3/11/2003-1426
Facing S, Miscellaneous pile MP1-21, W of Pic 29

Pic 31 3/11/2003-1434

Facing SW, Miscellaneous pile location MP1-21-S1 from pile in foreground

Pic 32 3/11/2003-1443

Facing NW, Miscellaneous pile locations MP1-21-S(2,3), W-most MP1-21 pile



Pic 33 3/11/2003-1505

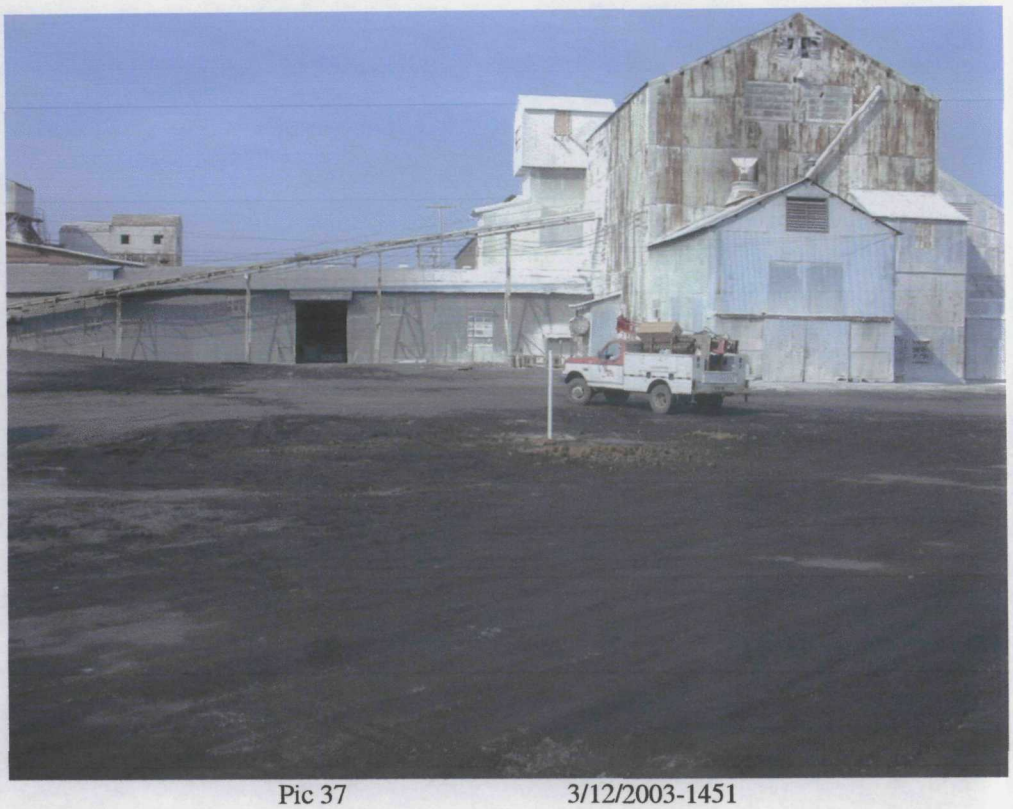
Facing W, Temporary piezometer P07, Central portion of Site, plant building in background

Pic 34 3/11/2003-1644

Facing NE, Temporary piezometer P08, SW to S-central portion of Site, plant building in background

Pic 35 3/11/2003-1727
Facing E, Temporary piezometer P09, SW portion of Site

Pic 36 3/12/2003-0920
Facing S, Temporary piezometer P10, SW pond in background



Pic 37 3/12/2003-1451

Facing N, Monitoring well MW01, E-central portion of Site, plant buildings in background

Pic 38 3/12/2003-1646

Facing NW, Monitoring well MW02, N-central portion of Site, train-tracks and plant buildings

Pic 39 3/13/2003-0937

Facing NE, Monitoring well MW03, Residue pile RR2-11 in background

Pic 40 3/13/2003-1120

Facing SE, Monitoring well MW04, Residue pile RR2-11 in background

Pic 41 3/13/2003-1540

Facing N, Monitoring well MW05, NW portion of Site, concrete building in background

Pic 42 3/14/2003-0905

Facing NE, Monitoring well MW-06, S-central portion of Site, plant buildings in background

Pic 43 3/14/2003-1020

Facing S, Monitoring well MW07, S-central portion of Site, boring Al-25 in foreground

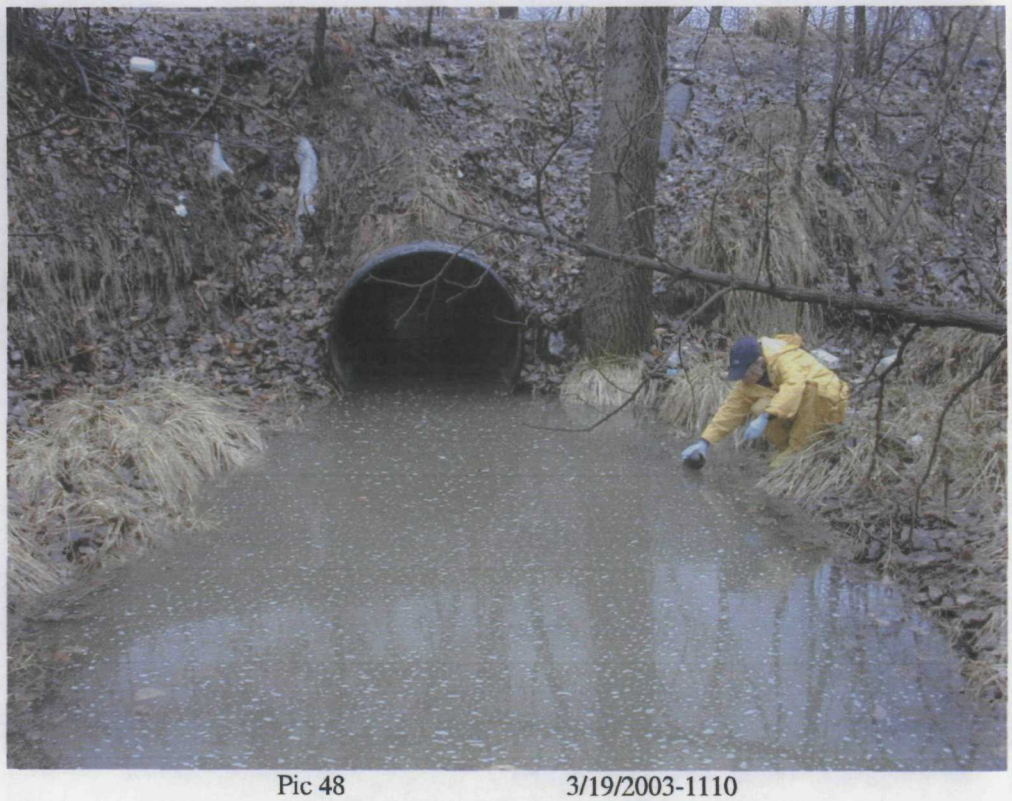
Pic 44 3/14/2003-1450

Facing S, Monitoring well MW08, SW corner of Site

Pic 45 3/14/2003-1710
Facing NW, Monitoring well MW09, SW pond in background

Pic 46 3/19/2003-1050
Facing N, Surface water location SWED-16, resample

Pic 47 3/19/2003-1055
Facing SW, Surface water location SWED-11, resample



Pic 48 3/19/2003-1110
Facing W, Surface water location SWED-13, resample

Pic 49 3/19/2003-1130
Facing W, Surface water location SWWD-6, resample

Pic 50 3/19/2003-1141
Facing W, Surface water location SWWD-10, resample

Pic 51 3/19/2003-1156
Facing S, Surface water SWWD-8, resample

Pic 52 3/19/2003-1225
Facing N, Surface water location SWWD-9, resample

Pic 53 3/19/2003-1236
Facing W, Surface water location SWWD-PN, resample

Pic 54 3/19/2003-1300
Facing E, Surface water location SWWD-PS, resample

Pic 55 3/19/2003-1315
Facing W, Surface water location SWWD-7, resample

Eagle Zinc 03-Mar-10

3/10/03

0810 A. Sprinkle arrives @ Eagle Zinc Site in Hillsboro, Illinois waiting for Environ to arrive @ approximately 0900 (Leave St. Louis @ ≈ 0700)

0900 Meet w/ Ross Jones (Environ) + Dan Ryan (Environ) - waiting on Drillers to arrive

0910 Chris Greco (Environ) on-site Environ plans on starting installation of permanent piezos while @ same time sampling SW/SD

0930 Drillers (Philip) arriving meet in EZ office to discuss H+S + scope of work

1120 Waiting on drillers to prepare - set up decon pad + getting water - waiting on C. Greco/EVST to prepare labels + containers for SW/SD sampling

1210 Drillers ready - drive to 1st Permanent Piez. Location → P01 - 2nd PZ from NW
↳ leave drillers + go to observe SW/SD Location

3/10/03

1230 @ SWED-16 - Directly SW of Hillsboro Lake to take Surface Water sample for metals. (1230) 1.5' bgs

1245 collect SWED-13 for metals + TCL across Industrial Drive east of site

1255 collect SWED-11 from across street (northeast side) drainage. for TCL - metals

1315 collect SWWD-6 for metals SW of site

1330 @ P01, Drillers done probing - inserting piezometer TD = 14' bgs install 10' screen collect P01 for PH (1224)

1400 Finished @ P01, take lunch

1440 Back from Lunch, Drillers to P-02, east of office across Industrial PWDr. (Grecko + R. Jones Environ go to SW Drainage to complete SW sampling.

1450 collect SW-WD-7 for TCL west of SW pond and duplicate

3/10/03

1515 SW-WP-PS, collect sample for metals from SW of Pond

1520 collect SW-WD-8 for metals out of creek on S side of site

1530 Drillers get Drillrig stuck trying to get to P02. Have tow-truck pull them out. Due to wetness, P02 moved approx. ½ distance from (west) proposed location to road (Indust.)

1600 collect SWWD-10 for TCL
<Location moved W ≈ [illegible] of proposed/old Phase I station.
now located ½ distance from proposed SW-WD-8 + SWWD-10

1625 collect SWWD DN + MS/SD for TCL NE corner of pond

1630 collect SWWD-9 from upstream of pond for TCL
- All SW Samples collected

1700 @ P02, TD 14', 10' screen PH sample @ 4'bgs D = 1.5' bgs

1715 Done for day, 13 hrs / 180 miles

* Location SW-WD-10 moved west because Higgins property (S of site) regraded land changing drainage ditches

3/11/03

0530 Leave home for site

0640 Arrive @ Eagle Zinc site - 80 miles

0700 Environ - D. Ryan, R. Jones, C. Greco on site + Philip - drillers - on site, have brief meeting in E.Z. office about H+S, scope for day. C. Greco/Environ to collect residue pile samples. D. Ryan/Env. to continue installing permanent piezometers.

0800 Mob to P03, located in North (central) portion of site, to probe hole + install permanent piezometer

0810 collect P03 pH soil sample @ 1.5' bgs

0852 Install piezometer @ P03 to 16' bgs 10 ft screen

0920 Mob to residue pile RR2-11 to observe placement of grid on pile

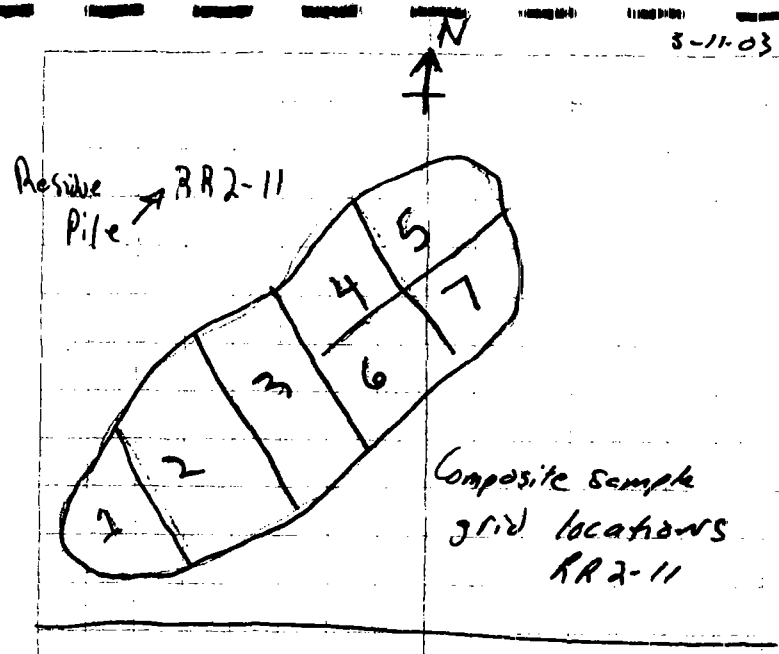
0945 collect residue pile sample RR2-11-S1 - sections of RR2-11 shown on next page

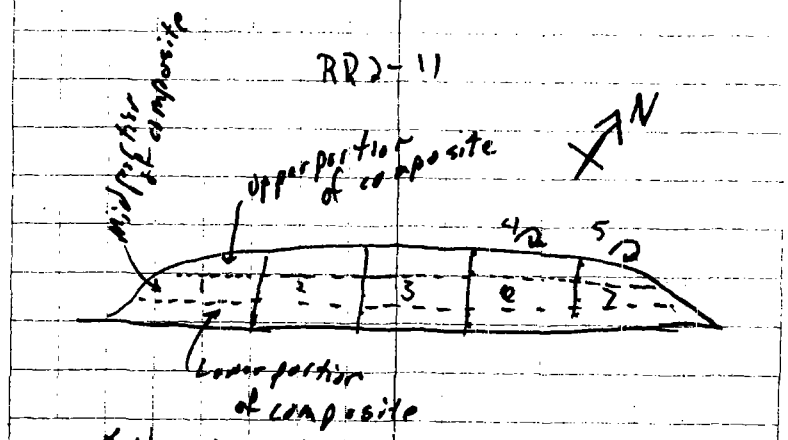
TCLP Lead RR2-11-S1 composite from upper, mid, + lower portions of pile; see next page (1000) → Sample time

0955 collect RR2-11S2 for TCLP Lead using same composite method as for RR2-11-S1

(21)

3-11-03





* Using trackhoe, soil collected from 3 (other and) corner portions to make composite sample for each section

(5)

[illegible] 3-11 [illegible] residue [illegible] sampling
[illegible] in [illegible] no [illegible] report
3-11-03

1015 collect RR2-11-S3 for TCLP Lead using prev. described composite method

1030 collect RR2-11-S4 for TCLP Lead

1050 collect RR2-11-S5 for TCLP Lead

1105 collect RR2-11-S7 for TCLP Lead

1115 collect RR2-11-S6 for TCLP Lead

1120 Complete sampling of RR2-11, move to P05 in NW corner of site

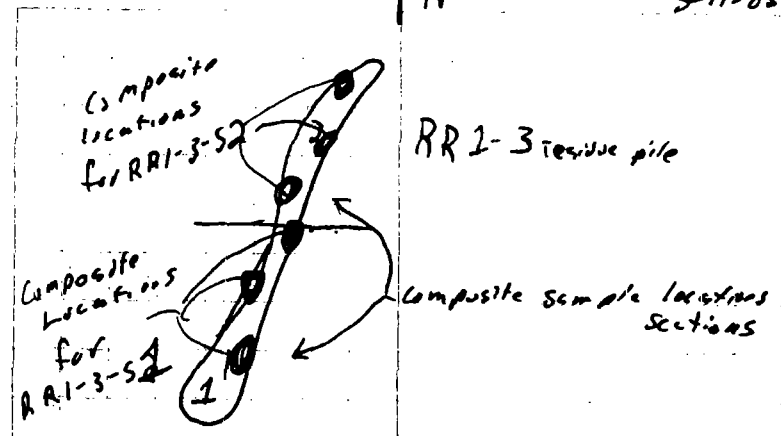
1135 (P04 complete TD ≈ 13' ⊻ ≈ 6' sample collected for PH)
(P05 complete TD ≈ 15' ⊻ 38' sample collected for PH)

1158 @ RR1-3 residue pile to collect (2) composite samples AUS

1200 collect RR1-3-S2 + ~~Dup~~ for TCLP lead from (3) sections
Notes on Next page from RR1-3-

* residue material Not visably dispersing into air even with strong Southern wind

3-11-03



1210 collect RR1-3-S1 + Duplicate for TCLP Lead from Southern half of RR1-3 from (3) sections

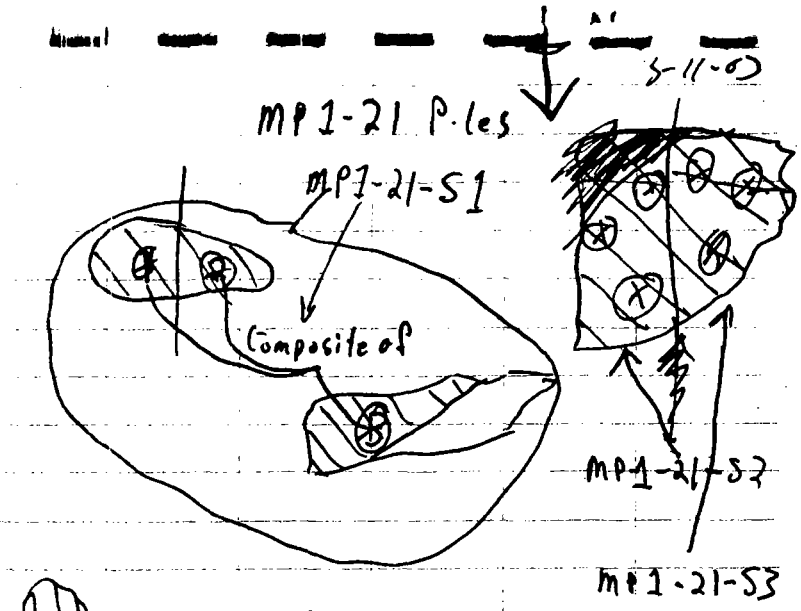
1220 Finish sampling RR1-3, move to meet drillers @ P06

1221 P06 installed TD = 16 ⊻ ≈ 9'
PH sample collected from ≈ 1.5' bgs
≈ ½' residue on surface

1235 Take lunch

1347 Back from lunch, looking over residue piles @ MP1-21

1432 collect MP1-21-S1 for TCLP Lead from composite of 3 sections → figure on Next page



* (3) Samples MP1-21-S(1,2,3) from
(3) Seperate Piles MP1-21-1 from
Eastern-most (2) piles + MP1-21-S(2nd)
from western-most pile
Composite samples consisted of (3) sections
-areas- within designated pile locations
-designated with ⊕ on figure above

5-11-03

1440 collect MP1-21-S2 + MS/SD
for TCLP lead
1450 collect MP1-21-S3 for TCLP lead
- Finished sampling MP1-21
1500 Rent PO7 complete TD=15' 10' screen
PH sample @ 2.5' → 1.5' residue
1520 Start @ temp. piezometer PO8
- southcentral portion of site,
east of RR1-3
1558 Complete PO8, TD=16.5
10' screen PH sample @ 2'
residue ≈ 1' thick =8.5'
1630 Talk w/ T. Biggs/CH2M Hill +
download work progress info.
1705 Complete PO9, TD=16' =9
PH sample @ 1' → no residue
1710 R. Jones/Enw said well 6-103,
SW portion of site has no well
cap and has rock lodged into top
of casing. Plan to remove
rock and check well w/ water
level probe for foreign objects
before determining wells future
1730 A. Sprinkle off-site

12 hrs
101 miles

3-12-03

0630 Leave hotel
0700 @ Eagle Zinc site
0755 @ PID to probe hole + install temporary piezometer
0911 complete PID, TD = 18' ∇ ≈ 12'
PH soil sample @ 1' bgs, no residue
1020 R. Jones/Environ decides to abandon 6-108. well has rocks + residue down casing and therefore is compromised.
1116 complete probe @ MW-01
probe to 15', ∇ ≈ 7', PH sample @ 1.7'
0.7' of residue. Drilling on site not equipped to set well, stronger rig on-way to set well later today — tomorrow
1145 Take lunch
1230 @ MW-02 to probe hole
1310 MW-02 TD = 12' ∇ ≈ 4.5'
PH sample @ 2.8' bgs
residue ≈ 1.8' thick
1340 @ MW-01 to set well
1452 complete installation of MW-01
TD = 15' 15' of screen

3-12-03

1630 Set MW-02 to TD = 10'
10' of casing.
1640 Call T. Biggs/CH2M to discuss days activities. Let him know about 6-108 being redrilled.
1730 A. Sprinkle off site

12 hrs 30 mile

3-13-03

0700 Arrive @ E. Zinc

0750 @ mw-03 to sample and install well. mw-03 SW of Residue pile RR2-11.

0902 Complete mw-03 TD=16' 10' of screen. PH sample collected @ 3.5' 2.5' of residue.

0949 @ mw-04, NW of RR2-11, to sample + install well

1045 complete MW-04. TD=11' 7' of screen. PH sample collected @ 4.5' 3.5' of residue

1230 Take lunch

1330 Back from lunch

1353 @ mw-05, due to access limitations mw-04 moved ≈ 50 swest of proposed location.

1445 Complete MW-05 TD=16', 10' of screen PH sample @ 2.0', 1.0' of residue

1540 Move off MW-05

1545 MW-06 in low spot, have to use track-hoe to construct ramp to access location.

3-13-03

1800 Ready to do MW-06 in A.M. Lewis Site. 12hrs 46 miles

E. Z. Site

3-14-03

0700 @ E. Z. site

0816 Sample + install MW-06.

0850 TD = 15', 10' of screen. Residue to 6' bgs. No recovery 6'-8'. PH sample @ 9'. No residue 8'-9'

1005 Complete MW-07 TD = 16', 10' of screen PH sample @ 11.5', 3.5' of residue

1045 Decontaminating augers

1136 Take lunch

1231 @ MW-08 to sample + install well. MW-08 ~~West~~ North of proposed location because original location inaccesable.

1317 Complete MW-08 TD = 26' 10' of screen PH sample @ 25' 24' of residue

1440 Abandon G-168. Pull surface completion + casing/screen. Fill hole with bentonite chips

1455 @ MW-09 to sample + install well. Proposed location right on S side of pond. Due to steep slope, MW-09 moved S to top of slope.

3-14-03

1600 Complete MW-09 TD = 21' 10' of screen PH sample @ 10' residue to 9' bgs

1730 off-site 12 hrs 98 miles

3-15-03

0645 A. Sprinkle/CH2M Hill on-site

0700 Drillers + Envirotech on-site, delivering + preparing for day

0813 @ MW-10 to install + sample well
- citizen walking by who claimed she worked for Hillsboro Health Dept. stopped by and was questioning about Envirotech having proper permits for monitoring wells. I explained to her that the wells would be registered after completion. Told her who Envirotech was + what they were doing and also that I was providing oversight for the IERA.

0850 MW-10 TD = 14.5' 10' of screen
PH Sample @ 1.0' - no residue

0930 Can't find access to get anywhere MW-11. Rig + my truck get stuck + have tow-truck pull us out.

1145 Drillers + Envirotech to develop wells

1200 A. Sprinkle off-site.

8 hrs 165 miles

3-17-03

1100 A. Sprinkle/CH2M Hill on site + meet D. Ryan/Envirotech
- Plan for 3-17-03 is to take complete round of water levels from existing MW's, new MW's, temp. piezos + permanent piezos + purge/develop MW-10

1400 purge MW-8 + 10 dry

1530 off-site

97 miles
7 hrs

E. Z. Site

3-18-03

0700 A. Sprinkle / [illegible] on-site with D. Ryan / Environ + other Environ guy

0710 @ MW-10 to purge + sample

0759 collect MW-10 H_2O for Tot + Dis Metals + Sulfates - 5 tot gals purged

0824 @ 6109 to purge + sample

0915 collect 6109 sample for Tot + Dis Metals + Sulfates - 6 tot gals purged

0920 Finish collecting sample

0933 @ 6101 to purge + sample - 3 gals purg.

~~1018~~ @ 6 ALS

1000 collect 6101 sample for Tot + Dis Metals + sulfates

1018 @ 6102 to purge + sample

1105 collect 6102 sample for Total + Dissolved Metals + sulfates - 7 gallons purged

1114 @ 6104 to purge + sample

1150 collect 6104 sample for Total + Dissolved Metals + sulfates - 4.5 gals purged

1205 @ 6105 to purge + sample

1250 collect 6105 sample for Total + Dissolved Metals + sulfates - 7 gals purged

* Low-flow purge + sample with Horiba U-22 flow-through cell + peristaltic pump

18

3-18-03

1300 Take lunch

1337 @ MW-05 to purge + sample

1412 collect MW-05 sample for Tot. Diss Metals + Sulfates - 4.5 gals purged

1426 @ MW-2 to purge + sample

1450 collect MW-2 sample for Tot. + Diss Metals + Sulfates - 4.5 gals purged

1457 @ MW-04 to purge + sample

1535 collect MW-04 sample for SVOCs, PCBs, VOCs, Tot + Diss Metals + Sulfates - 4.5 gals purged

1540 @ MW-03 to purge + sample

1625 collect MW-03 sample for Tot. + Diss. Metals + Sulfates

1632 @ MW-06 to purge + sample

1708 collect MW-06 sample for Tot + Diss. Metals + Sulfates - 6 gals purged

1720 @ MW-07 to purge + sample

1755 collect MW-07 sample for Tot + Diss. metals + Sulfates 6.5 gals purged

1800 Finish sampling for day

1810 off-site

12 hrs 45 miles

19

3-19-03

1300 PCBs + sulfates

1308 @ SW WD-07 to collect PCBs + sulfates plus Duplicate.

1330 Finished with SW sampling, @ Eagle office.

(1020) collect MW-9 sample - 5 gals purged for Tot. + Diss Metals + sulfates

(1105) collect MW-1 for TCL - 6 gals purged VOCs, SVOCs, PCBs Tot + Diss Metals + sulfate

1357 @ G107. Purged ≈ 3 gals earlier before well went dry, back to purge + collect sample

1400 collect G107 sample for Tot. + Diss Metals + sulfates

1430 Finished @ Eagle Tire leave site

phes 110 miles

Fax in site

3-19-03

0700 A. Sprinkle/CH2M Hill on-site

0710 @ 6103 to purge + sample.

0750 collect 6103 sample for Tot + Diss. Metals + Sulfates - 6 gals purged

0801 @ 6104 to purge + sample

0842 Cynthia/Envision on-site to collect extra volume needed for SW samples taken on 3-10-03

0850 collect 6106 sample for Tota Diss. Metals + Sulfates - 6.5 gals purged

0852 @ MW-08 to purge + sample

0935 collect MW-08 sample for TCL → VOCs, SVOCs, PCBs, Tot + Dissolved Metals + Sulfates

0940 T. Biggs/CH2M thinks that because of rain morning of 3-19-03 that SW samples should not be collected today. I tell Cynthia/ENV to let R. Jones/ENV. know that he should give Diane Novak (IEPA) a call about situation.

0956 @ MW-9 to purge + sample

1015 Cynthia/ENV said R. Jones/ENV + D. Novak (IEPA) decided that

6103 SSTL43(GD) - D. Novak/EPA

1015 cont. it was o.k. to sample SW as long as it is not pouring down rain.

1030 @ SWED-16 to collect sample for ~~SVOCs~~ DC-B3 + Sulfates waiting for rain to subside or lessen

1045 collect SWED-16 sample

1055 @ SWED-11 to collect sample for PCBs + sulfates

1056 collect sample SWED-11

1107 @ SWED-13 to collect sample for SVOCs, PCBs + sulfates

1124 @ SWWD-6 to collect sample for PCBs + sulfates

1140 @ SWWD-10 to collect sample for PCBs + sulfates

1153 @ SWWD-8 to collect sample for PCBs + sulfates

1228 @ SWWD-9 to collect sample for PCBs + sulfates

1237 @ SWWD-PN to collect PCBs + sulfates + MS/SD

1300 @ SWWD-PS to collect...

Eagle Cine Phase II Photo Log

Pic #	Date	Time	Description
1	3/10/03	1230	SWED-16, north of Hillsboro Lk (SW-NE)
2	3/10/03	1248	SWED-13, E of site + Industrial Dr (E-W)
3	3/10/03	1258	SWED-11, N-S, N of site eastern Drainage
4	3/10/03	1315	SWWD-6, E-W, SW of site
5	3/10/03	1330	P01, west of Industrial, E-W
6	3/10/03	1500	SW-WD-7, E-W, standing on dam wall
7	3/10/03	1501	W-E same spot as #6 looking e pond
8	3/10/03	1505	W-E @ SW-WD-7 looking e dam wa
9	3/10/03	1515	W-E SW-WP-PS pond sample
10	3/10/03	1520	N-S SW-WD-8 south of site
11	3/10/03	1600	E-W view of SW-WD-10 S of site
12	3/10/03	1630	E-W SWWD PA [illegible] of east
13	3/10/03	1700	S-N SWWD-9 upstream of pond
3-11-03 (1) 14	3/11/03	0901	~~E-W~~ N-S view of P03, building in background (plant)
(2) 15	3/11/03	0930	E-W, Residue Pile RR2-11
(3) 16	3/11/03	0945	E-W, RR2-11-S1 - composite sample location
(4) 17	3/11/03	0956	E-W, RR2-11-S2 - composite sample location
(5) 18	3/11/03	1006	SE-NW, RR2-11-S3
(6) 19	3/11/03	1027	~~SE-NW~~ NW-SE, RR2-11-S4
(7) 20	3/11/03	1045	~~SE-NW~~ NW-SE, RR2-11-S5 ⇒ N-S
(8) 21	3/11/03	~~1050~~ 1100	SE-NW, RR2-11-S7
(9) 22	3/11/03	~~1100~~ 1105	SE-NW, RR2-11-S6

Pic #	Date	Time	View	Description
23	3/11/03	1133	NW-SE	P05
24	3/11/03	1140	NE-SW	P01
25	3/11/03	1200	SW-NE	RR1-3
26	3/11/03	1204	N-S	RR1-3
27	3/11/03	1220	S-N	P06
28	3/11/03	1340	E-W	P02, with office in background
29	3/11/03	1426		29 E of 30
30	3/11/03	1426	N-S	MPI-21 piles
31	3/11/03	1434	NE-SW	MPI-21-S1,
32	3/11/03	1443	SE-NW	westernmost MPI-21 pile, samples MPI-21-S2 + S3 from this pile
33	3/11/03	1505	E-W	P07
34	3/11/03	1444	SW-NE	P08
35	3/11/03	1727	W-E	P09
36	3/12/03	0920	N-S	P10 w/ S pond in background
~~37~~	~~3/12/03~~	~~0920~~		
37	3/12/03	1451	S-N	MW01
38	3/12/03	1446	SE-NW	MW02
39	3/13/03	0937	SW-NE	MW03 RR2-11 in background
40	3/13/03	1120	NW-SE	MW-04 RR2-11 in bg
41	3/13/03	1540	S-N	MW-05, Concrete Bldg
42	3/14/03	0905	SW-NE	MW-06
43	3/14/03	1020	N-S	MW-07 with A1-25
44	3/14/03	1450	N-S	MW-08 in foreground
45	3/14/03	1710	SE-NW	MW-09 SW Pond in Background
46	3/19/03	1050	S-N	View of SWED-16 resample
47	3/19/03	1055	NE-SW	SWED-11 resample
48	3/19/03	1110	E-W	SWED-13 resample
49	3/19/03	1130	E-W	SWWD-6 resample
50	3/19/03	1141	E-W	SWWD-10 resample
51	3/19/03	1156	N-S	SWWD-8 resample
52	3/19/03	1225	S-N	SWWD-9 resample
53	3/19/03	1236	E-W	SWWD-PN resample
54	3/19/03	1300	W-E	SWWD-PS resample
55	3/19/03	1315	E-W	SWWD-07 resample