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ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

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Project Reclamation Oil
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This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

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Location Reclamation O.1 Date 1/12/11

Project / Client U.S. EPA

0845 START Beer arrives on site, Make contact with Bill Davidson of Horizon Environmental. Driller has not arrived on site yet, Bill is Marking locations for temp wells. Weather: ~25°F, wind from N at 5-10 mph, partly cloudy, heavy snow last night.

0925 Stock Drilling on site, out of Ida MI Several excavating contractors onsite to pre-bid the excavation of contaminated soils, meeting with Mark of Horizon

0940 Health and Safety meeting by Horizon and Stock Drilling. Discuss H&S, hospital and work plan. Horizon will be monitoring the air with a pid. Horizon calibrates pid unit

1010 Begin drilling a southwest corner of the site, at location TMW-8

> 0-5ft = Concrete, to black medium sand with some fill, to 8-12" grey brown with some blue clay, appears native.

> Strong petroleum odor, soil saturated at 1.5-2ft bgs, ~75% recovery.

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> No headspace readings will be collected

> Install 3ft screen placed 1ft into clay, screened 2-5ft bgs

1050 Begin drilling at location TMW-9, South west corner of the site, ~20 ft NE of TMW-8

> 0-5ft = Soil core same as TMW-8, concrete, to black sand medium, to clay. ~75% recovery, strong petroleum odor

> 3ft screen installed 1ft into clay, temporary monitoring well screened from 2-5ft bgs.

1115 Begin drilling at location TMW-7

> 0-5ft = Sandy fill brown with some gravel, to grey gravel, to grey clay

> Petroleum odor with wood and metal debris no obvious zone of saturation, ~75% recov.

> 5-10ft = Dark grey clay, ~60% recovery

> No temp well installed at this location due to no obvious signs of groundwater

1190 Begin drilling at location TMW-6

> 0-5ft = Brown loam with some gravel, to gravel, to black coal/cinders/slag, to

Location Reclamation Oil Date 1/12/11

Project / Client U.S. EPA

black sand medium grain saturated, to grey brown medium sand with some gravel; saturated at ~3 ft, ~75% recov

> 5-10ft = Brown grey to grey clay, appears native, ~100% recovery.

> 3ft screen installed, temporary monitoring well screened from 2.5-5.5ft

1210 START ⅓ Horizon offsite for lunch.

1305 START ⅓ Horizon back on site

1320 Begin drilling at location TMW-5

> 0-5ft = Fill sand with some gravel, to black medium sand saturated, to dark brown medium sand

> 5-10ft = Brown hard clay, to grey brown clay with some blue, ~80% recovery

> 3ft screen, temporary monitoring well screened from 2-5ft bgs.

1355 Begin drilling at location TMW-3

> 0-5ft = Concrete, to brown medium sand, to black medium sand, to grey clay with some gravel, to well sorted medium brown sand saturated, to clay gravel mix brown, to brown clay, appears native

Location Reclamation 0.1 Date 1/12/11

Project / Client U.S EPA

> 3ft screen, tempory monitoring well screened from 2-5ft bgs.

1420 Begin drilling at location TMW-4

> 0-5ft = Concrete, to black coal (cinder) slag, to black medium sand, to gey medium sand, to dark grey sand, saturated

> 5-10ft = Dark brown medium sand, saturated and rainbow sheen, to coarse grey sand, to grey brown clay

> 5ft screen, tempory monitoring well screened from 3-8 ft bgs.

1450 Begin drilling at location TMW-1, north end of the site

> 0-5ft = Gravel and sand, to black coarse sand, to dark grey medium sand, saturated with sheen, to grey clay (appears native) at 2.5-3ft bgs.

> High VOCs, 200+ ppm

> 2ft screen, tempory monitoring well screened from 2-4ft bgs.

1520 Begin drilling at location TMW-2, northeast corner of the site.

> 0-5ft = Concrete, to brown to dark brown, to brown medium grain sand, wet.

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Project / Client U.S. EPA

> 5-10ft = Coarse brown sand, saturated, to brown grey clay at ~ 6ft bgs, appears native.

> 3ft screen, temporary monitoring well screened from 3-6ft bgs.

1550 Begin drilling at location TMW-10, south end of site.

> 0-5ft = Concrete, to coarse sand black, to black fine sand well sorted, to grey medium sand, strong petroleum odor. Max PID = 170+ 60% recovery.

> 5-10ft = Dark grey brown well sorted medium sand, saturated with rainbow sheen, to brown clay @ 7.5ft

> 3ft screen, temporary monitoring well screened from 4-7ft bgs.

1635 START, Horizon, Stock Drilling offsite.

* Bill Davidson cell (616) 293-4299

MAB

Location Reclamation 0.1 Date 1/13/11

Project / Client U.S. EPA

0910 START Beer onsite. Bill Davidson of Horizon Environmental and Stock Drilling onsite prepping for site activities Weather: 20°F, overcast, light snow, wind from SW @ 0-5 mph. Horizon calibrates the PID unit.

0945 Begin drilling at location TMW-11

> 0-5ft Concrete to brown medium grain sand, to black sand with coal/cinders/slag material, to dark brown grey medium sand, to grey brown sand saturated at ~2.5ft. Petroleum odor, high VOC = 600+, ~60% recovery

> Horizon collecting sample at intervals for headspace readings

> 5-10ft = Grey brown medium sand, saturated, to grey green clay to light brown clay, to grey clay: 90% recovery

> 3ft screen, temporary monitoring well screened from 3-6ft bgs.

1030 Begin drilling at location TMW-12

> 0.5ft = Concrete, to medium sand dark brown, saturated at 1.5ft, to grey medium sand to sandy clay, to clay

Location Reclamation 0.1 Date 1/13/11

Project / Client U.S. EPA

grey green to grey brown at 4ft 100% recovery

> 3ft screen.

1105 Begin Drilling at location TMW-13 Southeast corner of the site

> Drill ~3ft and hit a concrete slab below grade, decide to drill through concrete with auger bit.

> Approx. 1ft concrete with void beneath

> 0-3ft = Gravel and sand fill, dark brown, 33% recovery, VOC = 0.0

> 5-10ft = Sandy clay dark brown saturated to dark grey clay @ 5.75ft to 10ft

> 3ft screen, temporary monitoring well screened from 3-6ft bgs.

1200 Complete temp well installation

1210 Horizon begins developing wells, removing sediment and checking groundwater production

1320 Stock drilling offsite, TMW-1 producing very little groundwater. Several wells pump dry but recharge quickly.

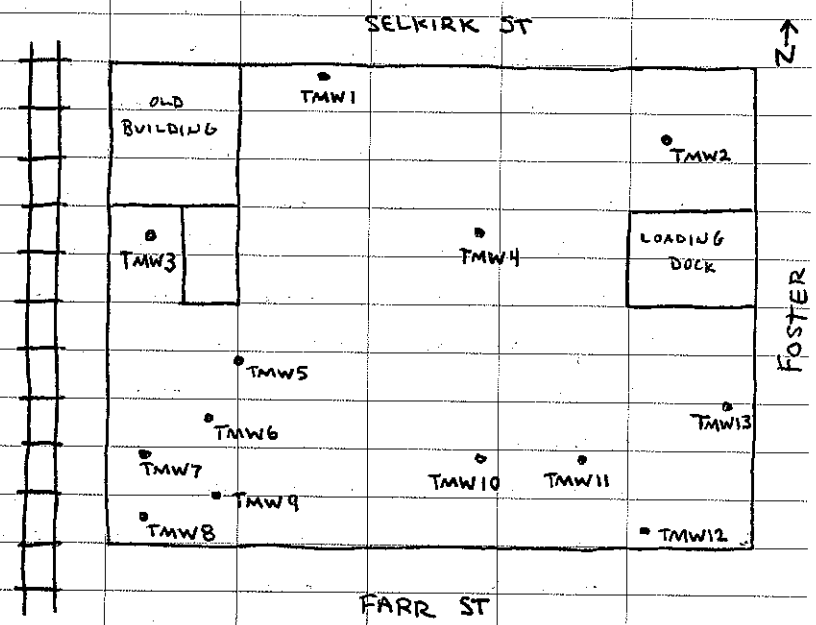
Location Reclamation Oil Date 1/13/11

Project / Client U.S. EPA

1510 Discover TMW-12 is producing very little groundwater

1520 Complete developing temp wells, > 2 drums left on site, labeled non-haz. Drum 1 = soil cuttings, Drum 2 = groundwater

1530 START and Horizon offsite



MAB

Location Reclamation Oil Date 1/20/11

Project / Client U.S. EPA

0845 START Beer onsite, weather ~25°F, wind 0mph, overcast, light snow/flurries.

0905 Horizon Environmental on site, make contact with Ed Culver and Dave. Horizon will be performing low flow ground water sampling on the temp wells installed last week. Sampling will occur with a peristaltic pump and plastic tubing. Water quality will be measured with a Horiba water quality meter. Draw down inside the wells monitored with an electronic water depth tape.

0925 Begin purging TMW-1 at a very slow rate (trickle) but well runs dry after a couple minutes
> Horizon plans to collect 2 1-liter amber bottles and 3 VOAs

0945 Begin purging TMW-2, Horizon are running several pumps.

0955 Horizon decides not to sample TMW-1 due to not having enough volume, proceed to next well.

Location Reclamation O.1 Date 1/20/11

Project / Client U.S. EPA

1000 START observes TMW-2 water quality meter, pH = 5.39

1010 Begin purging TMW-3 at a slow rate

1020 START observes TMW-3 water quality meter, pH = 5.84, Horizon sets up pump and begins purging TMW-12

1025 TMW-3 pumps dry and only produces ~1 liter of total volume, Horizon moves onto TMW-5

1045 START observes TMW-5 water quality meter, pH = 11.35. Horizon is collecting sample at TMW-2

1100 START Beer departs site for meeting at EPA Grosse Ille.

1425 START Beer on site, Horizon is sampling TMW-9 and TMW-10. Sampling is also occurring at TMW-5, TMW-5 will have both filtered and unfiltered samples.

1440 Horizon states that sample TMW-13 was also a filtered/unfiltered sample.

1515 Horizon is finishing up their sampling at their current locations (TMW-9, 10, and 5).

Location Reclamation O.1 Date 1/20/11

Project / Client U.S. EPA

> Location TMW-5 is clogging filters quickly for ~2 ~~ab~~ 1-liter amber bottles. Location requires 3 filters.

> No glove utilized while sampling.

1520 Horizon provides the pH measures for all wells at the time of sampling:

TMW-1 = N/A, not enough volume
TMW-2 = 5.17
TMW-3 = 5.89
TMW-4 = 6.74
TMW-5 = 11.21
TMW-6 = 9.04
TMW-7 = No well installed
TMW-8 = 7.08
TMW-9 = 9.70
TMW-10 = 11.08
TMW-11 = 10.73
TMW-12 = 5.33
TMW-13 = 11.44

1550 START, Horizon offsite.

MFD

Location Rec Oil Date 3/15/11

Project / Client US EPA

15:35 START KOZEL arrived on-site, Horizon was onsite, Mike Potter, crews were installing silt fence at the manhole/sewer. Two additional members were on site. START Kozel off-site.

Location Rec Oil Date 03/16/11

Project / Client U.S. EPA

1300: START Kozel arrived on site, crews installing perimeter fencing (temporary) around site. Crews @ lunch.
1330: Crews return. Continue working on silt fence installation and concrete busting. Sewer line video ~~taped~~ taped and catch basins found along Foster Street. Blockage found while taping west on site, unable to tell what was there. They will dig area up and have contractor come back out. START Kozel off site

Location Reclamation Oil Date 4/4/11

Project / Client US EPA

0905 START Matthew Beer on site a Rec. Oil property. Weather: ~40°F, cloudy overcast, wind from SW/W @ 5-10mph. with gusts to ~15mph. Meet with Mark Etringer (734-564-1339) and Dave of Horizon Environmental who update START; Nothing will be hauled off site today, a gravel road will be constructed across the site, in a North to South direction and general site setup as well as staging concrete for removal. Catskill (RM=Jim) is doing the site work with two operators.

0930 Horizon offsite to purchase supplies.

0955 Gravel hauler arrives with a double trailer of gravel (1-3") to be used as an access road for loading trucks, designed so trucks can pull through the site, Catskill begins grading gravel.

1020 START talks with Catskill, Jim states that he is waiting for the police to arrive, A pair of Bobcat loading fork were stolen since they were last on site.

Location Reclamation Oil Date 4/4/11

Project / Client US EPA

1050 Detroit Police arrive at site and provide information to report the theft

1105 Gravel hauler #2 arrives onsite to drop a second load of access road gravel. Catskill continues grading the gravel road.

1145 Horizon arrives with supplies and conducts air monitoring at a downwind location, using a draeger CMS chip system, testing for: Vinyl Chloride,

1205 START, Catskill offsite for lunch

1240 START onsite, Catskill continue grading gravel road and staging concrete Beginning to rain

1410 Mark Etringer states that if the rain continues, work/loading of concrete will not begin tomorrow, to help protect the access road. He will call to confirm in the morning.

1420 START Beer offsite

Matthew Beer 4/4/11

Location Reclamation Oil Date 4/5/11

Project / Client US EPA

0730 START Matthew Beer contacts Mark Etringer of Horizon to confirm that work will proceed today on site.

0845 START onsite Weather: ~38°F, wind from west at 5-10mph, partly cloudy.

> Meet with Mark, he states that two trucks have already took loads off site. The plan is to complete removal of concrete and begin soil excavation on 4/6/11 at the southeast corner of the site.

> Meet with Jim (Catskill), he states they only have two trucks, 40 yards each, to work with. The first two trucks left the site at ~0815 and 0840. Concrete is disposed of as non-hazardous at Woodland Meadows landfill.

> Mark states air monitoring wont be set up at this time because the wind continues to shift directions, set conditions are wet

1020 Trucks arrive to pick up concrete loads #3 and 4. Catskill begins loading trucks Mark provides WM profile # 107481 MI

1055 Truck departs site with load #3,

Location Reclamation Oil Date 4/5/11

Project / Client US EPA

Catskill begins loading truck #4.

1115 Truck with load of concrete #4 departs site. Catskill continues to stage concrete.

1205 START offsite for lunch.

1250 START onsite, trucks arrive onsite Catskill begins loading concrete in truck #5

1315 Truck #5 loaded with concrete, offsite begin loading truck #6.

1330 Truck #6 loaded and offsite. Catskill continues staging concrete. They have also installed a silt fence on the NW corner of the site.

> Mark states that concrete removal will continue tomorrow as well as starting to excavate soil on the NW corner of the site, and trucking it offsite.

1500 Truck #7 arrives onsite, Catskill begins loading concrete

1515 Truck #7 loaded and departs site

1520 Truck #8 arrives on site, Catskill begins loading concrete.

Location Reclamation O.I Date 4/5/11

Project / Client US EPA

1535 Truck #8 loaded and departs site. Catskill stages concrete and cleans site.

1550 START, Horizon, Catskill offsite

Location Reclamation O.I Date 4/6/11

Project / Client US EPA

0700 START Matthew Beer onsite, Horizon Catskill onsite; Weather: 39°F, overcast light rain, wind from W @ 0-5mph. H&S meeting and discuss work for the day. Trucks arrive on site

0715 Begin loading soil from NW corner of the site into truck #1, Soil once located under a site building
> Jim (Catskill) states that the excavator has a 2½ yd bucket, they are loading 9 bucket loads in the front trailer and 7 bucket loads of soil in the rear trailer of each truck.

0730 Truck #1 loaded and offsite, Truck #2 begins loading with soil. No dust or odors observed.

0742 Truck #2 loaded with soil and departs site, Truck #3 begins loading with concrete

0805 Truck #3 loaded and offsite. Catskill stage concrete for next loads

0925 Truck #4 and #5 arrive onsite, Catskill begin loading soil into truck #4, Jim states that the soil from

Location Reclamation Oil Date 4/6/11

Project / Client US EPA

the site is being trucked for disposal at Woodland Meadows landfill.

> Catskill begins excavating soil from the NW corner of the Site. Soils range from brown to dark brown with some black staining and areas of grey soil at ~5ft bgs. Some petroleum odor observed during the excavation

0938 Truck #4 loaded and departs Site, Truck #5 being loaded with soil.

0950 Truck #5 loaded and departs site Truck #6 onsite and being loaded with concrete

1000 Truck #6 loaded and departs Site, Truck #7 onsite and starting to be loaded w/soil

1020 Truck #7 loaded and departs site

1040 Catskill removes ~~forms~~ footing from old building location at NW corner of Site

> Mark Etringer states that excavation throughout the Site will occur down to groundwater or clay if groundwater is not present.

> Originally clay was going to be used as backfill but it exceeded Residental

Location Reclamation Oil Date 4/6/11

Project / Client US EPA

Direct contact for As (Arsenic) so in place limestone gravel will fill with 1 foot of sand and 6" topsoil

1120 Truck #8 arrives onsite, Catskill begins loading soil from the NW corner of the site.

1130 Truck #8 loaded with soil and departs site

1136 Truck #9 arrives onsite, Catskill begins loading soil from the NW corner of the site.

1145 Truck #9 loaded with soil and departs

1148 Truck #10 arrives on site, Catskill begins loading concrete.

1205 Truck #10 loaded and departs site

> Check excavation at NW corner of site, moderate odor from excavation, petroleum /solvent like odor. Horizon needs cal-gas before air monitoring, no air monitor yet to this time.

1215 START / Catskill offsite for lunch.

1250 START onsite, Truck #11 departs Site loaded with soil, still loaded from the NW corner of the site.

Location Reclamation Oil Date 4/6/11

Project / Client US EPA

1305 Truck #12 arrives on site, Catskill begins loading soil

1320 Truck #12 loaded with soil and departs the site

1345 Truck #13 arrives on site, Cat Skill begins loading concrete

> Diesel tank delivered to site, ~500 gal (UN1993)

1402 Truck #13 loaded and departs the Site Truck #14 onsite and Catskill begins loading concrete

1420 Truck #14 completes loading and departs Site, #15 Truck on site, Catskill begins loading soil from the NW corner of the Site, continuing the excavation, slight to moderate odor near the excavation.

1429 Truck #15 completes loading and departs Site, Truck #16 onsite, Catskill begins loading truck with soil

1440 Truck #16 loaded with soil, departs Site.

1510 Truck #17 arrives onsite, Catskill begins loading soil from the north end of the Site. Departs at 1525

1545 START / Catskill offsite for the day

Location Reclamation Oil Date 4/7/11

Project / Client US EPA

0700 START Matthew Beer onsite, Horizon and Catskill on site. Weather: 40°F, overcast, wind from SW 0 ~5 mph. H&S meeting, will continue trucking soil and concrete offsite today.

0710 Truck #1 onsite, Catskill begins loading soil from the north portion of the Site.

0720 Truck #1 loaded and departs site, Truck #2 onsite, Catskill continues loading soil from north portion of Site

0731 Truck #2 loaded and departs site. Truck #3 onsite, Catskill continues loading soil from the north portion of Site

> Site walk: Observe excavation in NW portion of the Site, bottom of excavation has nearly filled with rain/groundwater, a weathered sheen on the surface of the water can be seen, sheen can also be seen coming from the South bank of the excavation.

> The excavation in the north portion of the Site contains lots of fill material: wood plank, brick, concrete footings,

Location Reclamation Oil Date 4/7/11

Project / Client US EPA

slight petrol/solvent odor from excavation

0740 Truck #3 loaded and departs site, Truck #4 onsite and being loaded with soil

0800 Truck #4 loaded and offsite.

0915 Truck #5 onsite and being loaded with soil from the NE corner of site, makeup is mostly light brown sand with some dark staining (black & grey).

0923 Truck #5 loaded and departs site, Truck #6 onsite and being loaded with soil from the N and NE portion of site

0930 Truck #6 loaded and departs site, Truck #7 onsite and being loaded with N & NE excavated soil,

> No observed air monitoring by Horizon, although odors are low and no dust

0942 Truck #7 loaded and departs site, Truck #8 onsite and being loaded with soil

0953 Truck #8 loaded and departs site

1000 Truck #9 on site and being loaded with soil from north portion of site

1011 Truck #9 loaded and departs the site.

1030 Mark Etringer performs air monitoring, Background VOC = 0.9, NW excavation

Location Reclamation Oil Date 4/7/11

Project / Client US EPA.

≈ 1.3 VOC, North excavation ≈ 1.2 VOC, Downwind of fresh excavated soil pile, excavated from NE corner of site = 8.0 ppm VOC. Downwind site perimeter = 1.0

1115 Truck #10 onsite and being loaded with soil from the NE corner excavation

1128 Truck #10 loaded and departs the site, Truck #11 onsite and also being loaded with soil, from N portion of site

1150 Truck #11 loaded and departs site, Truck #12 onsite and is being loaded with soil from the north portion of site

1205 Truck #12 loaded and departs site. Truck #13 onsite and is being loaded with soil from the north portion exc.

1215 Truck #13 loaded and departs the site

1220 START offsite for lunch.

1300 START onsite, Truck #14 onsite being loaded with soil from the north portion of the site, soil mixed with old building material (brick, steel, wood).

1320 Truck #14 offsite, Truck #15 onsite and being loaded with soil.

Location Reclamation Oil Date 4/7/11

Project / Client US EPA

> Mark (Horizon) states that perimeter air monitor measured 0.8ppm VOC down-wind of truck loading/excavation. All other measures at background

1330 Truck #15 loaded and departs the site. Truck #16 onsite and being loaded with soil.

1340 Truck #16 loaded and departs the site

1349 Truck #17 onsite and being loaded with soil from the north excavation, which has proceeded south to nearly mid-site.

1355 Truck #17 offsite loaded with soil, Truck #18 onsite and being loaded with soil.

1410 Truck #18 loaded and departs site. Truck #19 onsite being loaded with soil from north excavation.

1421 Truck #19 loaded and departs the site Catskill begins excavating soil from the center portion of the site, west of the old loading dock, and again at the NE corner of the site, staging soil for

Location Reclamation Oil Date 4/7/11

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later pickup.

1515 Truck #20 arrives on site, being loaded with soil from the center portion of the site.

1525 Truck #20 loaded and departs the site Mark (Horizon) offsite, Jim (Catskill) states that the waste totals as of 4/6/11:

1. Concrete = 586.33 tons
2. Soil = 613.98 tons

> Gravel truck arrives and dumps load, Catskill grades into the road across the site.

1615 START and Catskill offsite.

Location Reclamation O.L Date 4/8/11

Project / Client US EPA

0700 START Matthew Beer onsite, Horizon / Catskill onsite; Weather: 40°F, overcast rain, wind from the north @ 0-5 mph. Begin loading Truck #1 with soil from the center portion of the Site.

0715 Truck #1 loaded and departs the Site, Truck #2 onsite and being loaded with soil from the center portion of the site.

0723 Truck #2 loaded and departs the site

0730 Truck #3 onsite and being loaded with ~~Soil~~ concrete from the north portion of the site

0749 Truck #3 loaded and departs the site. Catskill continues staging soil and excavating in the center portion of the site, west of the loading dock.

0910 Truck #4 onsite, Catskill loads soil from the center portion of the site. Rain continues

0920 Truck #4 loaded and departs the site, Truck #5 onsite and being loaded with soil

0931 Truck #5 loaded and departs the site

0935 Truck #6 onsite and being loaded with ~~Soil~~ concrete from the north portion of the site.

0950 Truck #6 loaded and departs the Site,

1129 Truck #7 arrives on site, Catskill

Location Reclamation O.L Date 4/8/11

Project / Client US EPA

loading soil staged from the north and center portions of the site, soil contains building material from northend of site.

1140 Truck #7 loaded and departs the Site. Truck #8 onsite and begins getting loaded with staged soil

1152 Truck #8 loaded and departs the site, Truck #9 onsite and is loaded with soil from the center portion of the Site.

1203 Truck #9 loaded and departs the Site.

- Site shut down due to weather, rain continues and conditions at the site are too sloppy, reports from truck drivers that conditions at the land fill are very sloppy too.
- START / Horizon / Catskill offsite

Location Reclamation Oil Date 4/11/11

Project / Client US EPA

0705 START Matthew Beer onsite, Horizon and Catskill onsite, Weather: ~55°F overcast, raining, wind from SW at 5-10mph. Truck #1 onsite and being loaded with soil from the center portion of the Site, just west of the old loading dock.

0712 Truck #1 offsite, Truck #2 onsite and being loaded with soil (non-haz) from the center portion of the site.

0725 Truck #2 loaded and departs the site.

0730 Horizon/Catskill are measuring off the areas of Hazardous PCB soils to be excavated on the west side of the site

0745 Truck #3 onsite and being loaded with soil from the center portion of the Site

0751 Truck #3 offsite loaded with soil, Truck #4 onsite being loaded with soil from the center portion of the Site

0800 Truck #4 loaded with soil and departs the site

0815 Truck #5 onsite, will be loaded with PCB contaminated soil from two excavations on the west side of the site. Truck #5

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being loaded with soil from the northern of the two excavation.

> Soil appears dark brown with areas of grey and black soil

> Sandy loam like appearance with a vein of gravel and some broken concrete

> Black staining as excavation moves to the east.

> Truck is placcard as 3/32 haz

> Care is being taken by the operator as not to spill while loading the soil

> Groundwater located ~3-4 ft bgs

0829 Truck #5 loaded and departs the Site. Truck #6 onsite and being loaded with soil from the same Haz soil excavation.

> Haz-soil (PCB) being shipped to EQ landfill in Belleville MI

0842 Truck #6 loaded and departs the site Truck #7 onsite and being loaded with Haz soil from northern excavation

0900 Truck #7 loaded and departs the site. loaded with Haz-soil

Location Reclamation Oil Date 4/11/11

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0915 Truck #8 onsite and being loaded with soil from the center portion of the site (non-haz soil)

0930 Truck #8 loaded and departs the site
Truck #9 onsite and being loaded with soil from the center portion of the site

0945 Truck #9 loaded and departs the site.

0950 Truck #10 on site and being loaded with soil from the center portion of site

1000 Truck #10 loaded and departs the site

1018 Truck #11 onsite and being loaded with soil from center of site.
> Mike from Horizon is onsite to collect sample from PCB excavations
> Little to no odors from excavations

1030 Truck #11 loaded and departs the site.

1125 Truck #12 onsite and being loaded with non-haz soil from the center portion of the site (at the old pump house)

1132 Truck #12 loaded and departs the site

1155 Truck #13 onsite, being loaded with non-haz soil from the center portion

Location Reclamation Oil Date 4/11/11

Project / Client US EPA

of the site, START offsite for lunch.

~1210 Truck #13 offsite loaded with soil, Truck #14 on site to collect non-haz soil for center portion of the site

1225 Truck #14 offsite loaded with non haz soil.

1230 Truck #15 onsite being loaded with PCB Haz-Soil from the northern excavation, on the west side of site

1245 Truck #15 offsite loaded with PCB haz-soil, Truck #16 onsite to be loaded with PCB haz-soil from the southern excavation of the west side of the site

1315 Truck #16 loaded and departs the site with PCB haz-soil. Truck #17 onsite being loaded with PCB haz-soil from the southern excavation

1343 Truck #17 loaded with PCB haz-soil and departs the site

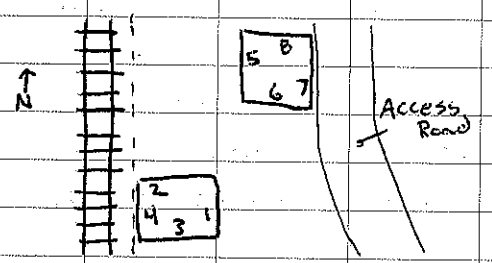
1350 Horizon begins confirmatory sampling of the two PCB excavations. Samples will be analyzed for PCBs except for

Location Reclamation O.I Date 4/11/11

Project / Client US EPA

for the outer wall along the site perimeter in the southern excavation which will be analyzed for PCB and VOC's

> Horizon is collecting bias grab samples based on soil staining on each wall, each wall will be sampled



> 4 samples are collected in each excavation

> Southern excavation, VOC gets progressively higher as sampler (Mike) moves down the excavation wall to a max of 600+ ppm VOC in the sand at the bottom of the pit.

1405 Truck #18 onsite.

1410 Begin (Horizon) sampling in the northern excavation (PCB) location

1415 PCB excavation samples completed

Location Reclamation O.I Date 4/11/11

Project / Client US EPA

1430 Remaining trucks, including #18, offsite unloaded due to soil in SE excavation being too saturated, soil will be staged for removal/drying until tomorrow.

> Horizon air monitors downwind of SE excavation: VOC = ~8 ppm
Benzene = <0.2 ppm
Vinyl Chloride = ND

1530 Site trailer delivered onsite to lot located south of the site

1600 START, Horizon, Catskill offsite.

Location Reclamation Oil Date 4/12/11

Project / Client US EPA

0810 START Matthew Beer onsite, Catskill onsite. Weather: ~50°F, clear sunny. Catskill site trailer was broken into last night, some damage to the inside of the trailer, nothing was inside the trailer to be stolen. Catskill state they are going to pull the trailer offsite to protect it.

- Catskill are staging soil and prepping the site trailer.
- Horizon Mike Potter onsite.

0930 Catskill sweeping the street with a Bobcat

1030 Catskill are excavating and staging soil at the southeast corner of the site, moderate odor from excavation

- Discuss with Mike (Horizon), they are waiting for a load of flyash to be delivered to absorb moisture in SE corner soil. No trucks will ship until the flyash is delivered.

1145 Horizon hopes to collect some samples throughout the site today.

1200 START offsite for lunch

1230 START onsite.

Location Reclamation Oil Date 4/12/11

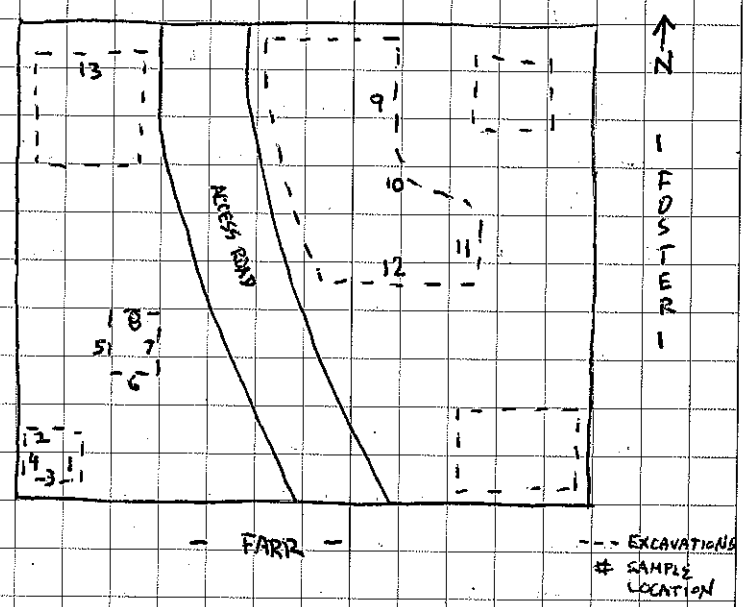
Project / Client US EPA

1245 Horizon begins sampling on site, at the north portion and NW excavations

- Samples #9-13 and will be analyzed for As, Pb, VOCs

1345 Sampling complete within excavations.

> Soil Sampling Locations to date: 4/12/11



1430 START / Catskill offsite

Location Reclamation Oil Date 4/13/11

Project / Client US EPA

0700 START Matthew Beer receives a call from Mike Potter of Horizon that work will continue onsite today

0840 START Beer ~~was~~ MB onsite, weather: ~50°F, clear sunny, wind from the north northwest at 0-5mph.

> Meet with Mike Potter who states one truck of concrete has departed the site at 0755. Concrete was taken from the SE corner of the Site.

0915 Truck arrives onsite with flyash to be mixed with the wet soil from the SE Corner of the Site

0940 Truck offsite, Catskill begins mixing flyash into the soil pile staged at the SE corner

1120 Horizon begins sampling within the NE excavation, corner of property. Soil samples bias sampling of areas that appear stained or have PID measures.

> Sample #18, west wall = 0 ppm PID

> Sample #14, North wall = 400+ ppm PID

Sample #15, East wall = 0 ppm PID

Sample #16, South wall = 20 ppm PID

Sample #17, " = 0 ppm PID

Location Reclamation Oil Date 4/13/11

Project / Client US EPA

1150 Sampling complete, samples will be analyzed for PCB, As, Pb, and VOCs

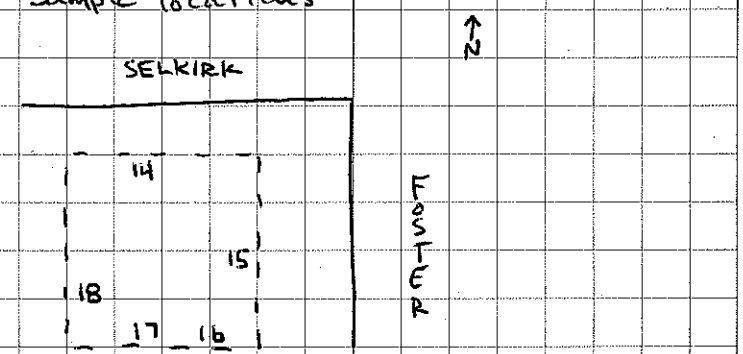
1200 START offsite for lunch

1240 START onsite, Catskill states that the trucking company has no trucks to send, site has shut down for the day

1300 Lab picks up samples from Horizon

START, Horizon, Catskill offsite.

Horizon Sample locations



Location Reclamation O.I Date 4/14/11

Project / Client US EPA

0700 START Matthew Beer onsite, Horizon, Catskill on site. Weather: 55°F, cloudy, windy from the N @ 5-10mph. Truck #1 onsite and being loaded with soil from the SE corner of the site. (Non-haz soil)

0710 Truck #1 loaded with soil and departs the site. Truck #2 onsite and being loaded with soil from SE corner

0721 Truck #2 loaded with soil and departs the site, Truck #3 onsite and being loaded with SE corner soil

0733 Truck #3 loaded with soil and departs the site, Truck #4 onsite and being loaded

0746 Truck #4 loaded with soil and departs the site, Truck #5 onsite and being loaded with soil from the SE corner of the Site.

> Horizon collecting air monitoring data, VOC fluctuating between 3-30 ppm down wind of the soil loading at the SE corner of the Site. Bezene = < 0.2 via Drager chip.

0800 Truck #5 loaded and departs the site

0805 CatSkill begin further excavation

Location Reclamation O.I Date 4/14/11

Project / Client US EPA

of the N wall of the northern PCB contaminated excavation. Horizon states this is the area that analytical data still showed elevated PCB levels, all other PCB samples showed the remaining walls are below contact criteria.

> Current excavation (PCB) dimensions
Northern excavation = ~45 x 20 ft
Southern excavation = ~25 x 20 ft

> Soil is PCB haz-soil and being loaded into the lead trailer only of the tractor-trailer.

0825 Truck #6 offsite loaded in the front trailer only with haz-soil

0915 Truck #7 onsite and being loaded with soil from the SE corner of Site

0923 Truck #7 loaded and departs the Site

0930 Truck #8 onsite and being loaded with non-haz soil from the SE corner

0940 Truck #8 loaded and departs the site, Truck #9 onsite

0952 Truck #9 loaded with soil and departs the site. Truck #10 onsite.

Location Reclamation O.1 Date 4/14/11

Project / Client US EPA

1010 Truck #10 loaded with soil from the SE corner of the site and departs the site. Truck #11 onsite, and being loaded.

> Smoke crossing the site from the scrape yard to the north of the site, white and yellow smoke.

1030 Truck #11 loaded and departs the site

> Horizon begins excavating soil in the SW corner of the site, staging it.

1132 Truck #12 onsite and being loaded with soil from the excavation on the SE corner of the site

1145 Truck #12 loaded and departs the site.

1205 Truck #13 onsite and being loaded with soil from the SE corner of the site.

1216 Truck #13 loaded and departs the site, Truck #14 onsite and being loaded with soil from the SW corner of the site.

1230 Truck #14 loaded and departs the site. Truck #15 onsite, also being loaded with SW corner soil.

1243 Truck #15 loaded and departs the site.

> START offsite for lunch

1325 START onsite, Truck #16 departs the site

Location Reclamation O.1 Date 4/14/11

Project / Client US EPA

loaded with soil from the SW corner of the site.

1345 Truck #17 onsite being loaded with soil from SW corner of site

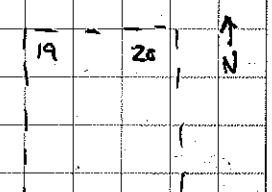
1400 Truck #17 loaded and departs the site, truck #18 onsite being loaded

1420 Truck #18 loaded and departs the site with SW corner soil.

1445 Horizon resamples the excavation north wall, of the northern PCB contaminated excavation,

> Samples #19-20

> Analyzed for PCB only



1510 Catskill relocates diesel tank

> START Beer offsite.

Location Reclamation Oil Date 4/15/11

Project / Client US EPA

0655 START Matthew Beer onsite, Horizon and Catskill on site. Weather: 50°F, sunny clear, wind from NE at 5-10 mph

> Truck #1 onsite, Catskill loading concrete from the SW corner of the site.

0715 Truck #1 loaded and departs the site, Truck #2 onsite and being loaded with soil from the SW corner of the site

0728 Truck #2 loaded and departs the site Truck #3 onsite and being loaded with soil from the SW corner

0740 Truck #4 onsite and being loaded with soil from the SW corner excavation, Truck #3 offsite

0750 Truck #4 offsite, Truck #5 onsite and being loaded with soil from the SW corner

0810 Truck #5 offsite

> Horizon collects air monitoring downwind of Catskill who is staging soil in the SW corner of the site. VOC = 0.0 ppm.

0908 Truck #6 arrives on site, Catskill begins loading soil from the SW excavation

Location Reclamation Oil Date 4/15/11

Project / Client US EPA

0920 Truck #6 loaded and departs site

0929 Truck #7 onsite and being loaded with soil from the SW corner of the site.

0937 Truck #7 ~~onsite~~ loaded and departs the site, Truck #8 onsite and being loaded with soil from the SW corner of the site, the excavation is moving eastward toward the access road.

0947 Truck #8 loaded and departs the site, Truck #9 onsite, being loaded with soil from the SW corner

0954 Truck #9 loaded and offsite.

1010 Truck #10 onsite and being loaded with soil from SW corner of the site.

1025 Truck #10 loaded and offsite

> Catskill continue excavating in the SW corner of the site, north up to the northern PCB excavation and east toward the access road.

> Little to no odor from this excavation

1110 Truck #11 onsite and being loaded with soil from the SW corner excavation.

1120 Truck #11 loaded and offsite.

Location _____ Date _____

Project / Client _____

Location Reclamation Oil Date 4/18/11

Project / Client U.S.EPA

0830 Alex Clark on site. weather = snowy, ~32°F. Meet with Mike Potter and tour site perimeter. Catskill is running 3 trucks today for soil disposal. Excavation is occuring in west-central portion of the site. Mike Potter indicated a few verification sampling locations were above criteria and additional excavation was necessary. The locations have since been resampled and Horizon is awaiting lab results. One location was slightly above criteria for arsenic at 7.7 ppm according to Mike Potter and Horizon was contemplating the course of action. Alex Clark suggested discussing with Tricia Edwards.

0915 Truck # 715 arrives for loading and transport of non-haz soil.

1020 Truck # 700 arrives for loading and transport of non-haz soil.

1050 Truck # 705 arrives for loading and transport of non-haz soil.

1130 Truck # 715 arrives for loading and transport of non-haz soil.

Location Reclamation Oil Date 4/18/11

Project / Client U.S. EPA

1300 Truck # 700 arrives for loading of non-haz soil.
1315 Truck #705 arrives for loading and transport of non-haz soil.
1340 Truck # 715 arrives for loading and transport of non haz soil.
This will be the final truck of the day. Cotskill / Horizon will spend the remainder of the day with housekeeping and securing the site for the evening.
Back note: Alex Clark discussed receiving raw data for verification samples with Bill Davidson. Bill will check with his clients to verify this is acceptable.

Location Reclamation Oil Date 4/19/11

Project / Client U.S. EPA

Weather = overcast, slight rain, ~35°F

0830 Alex Clark on site. Cotskill excavating soil from west/north-central portion of site.
0850 Alex Clark called Tricia Edwards to provide update on site status. Tricia requested waste tracking sheet and/or manifests for Cotskill / Horizon and thinks having the verification sample data is a good idea.
0915 Truck #725 arrives on site for loading and transport of non-haz soil. Mike Potter discussed plan for the day. 3 trucks will be run today. Gravel will be delivered to backfill the floor of some of the excavation portions and interior sidewall samples will be collected. Mike Potter indicated some fencing panels were stolen the previous night but the fence is still able to be closed. However Mike indicated if additional panels are stolen, they would like to evaluate using snow

fencing. Alex Clark indicated this should be ok provided the fencing and set-up meet all OSHA specs for structural integrity including pressure loads. Mike Potter will also seek permission to provide ~~the~~ WESTON with the Horizon waste tracking sheet electronically.

0930 Truck #645 arrives on site for loading and transport of non-haz soil.

1000 Truck #670 on site for loading and transport of non-haz soil.

1030 Mike Potter Conducted PID monitoring in work zones and site perimeter. Mike reported there were no elevated PID readings

1105 Truck #725 on site for loading and transport of non-haz soil.

1130 Truck #645 on site for loading and transport of non-haz soil. Mike Potter discussed storm sewer that traverses the site. An obstruction was

encountered during the previous cement work and the excavation is currently in the vicinity of the obstruction - a suspected clay tile area which Horizon does not want to compromise. Horizon is looking into methods to effectively abandon in place.

1215 Truck #670 on site for loading and transport of non-haz. soil

1300 Mike Potter Conducted perimeter and work zone PID monitoring. Mike reported no PID results above background.

1320 Truck #645 on site for loading and transport of non-haz soil.

1400 Truck #705 for loading and transport of non-haz soil.

1415 Truck #670 on site for loading and transport of non-haz soil.

1440 Truck #665 on site for loading and transport of non-haz soil.

Location Reclamation Oil Date 4/19/11

Project / Client U.S.EPA

1450 Truck # 715 on site for loading and transport of non-haz soil.
1500 Truck loading completed for day. Horizon/Catskill will use excavator / PID monitoring to evaluate additional soil that will require removal from South side of site or northern side wall.
Backnote: 3 trucks loaded and transported soil prior to 0830.
1520 Alex Clark off site.

4/19/11
Alex Clark

Location Reclamation Oil Date 4/20/11

Project / Client U.S EPA

Weather = ~40°F, overcast, windy

0830 Alex Clark on site. Catskill excavating in northwest area of site. Discussed plan for day with Mike Potter. Excavation will continue in northwest area where access road is being pulled back. Test trenching will occur in the southeast side of the site to further define how much more excavation is needed along the northern side wall. Removal of concrete tank holders will occur along southern side of site once another excavator with breaking tooling is delivered to the site. Additional verification sampling will also take place today. 5 trucks are running today and there was one round of trucks so far today prior to 0830.
0915 Truck #705 on site for loading and transport of non-haz waste.
0950 Truck # 700 on site for loading and transport of non haz soil.
1020 Truck # 725 on site for loading and transport of non-haz waste.

Location Reclamation Oil Date 4/20/11

Project / Client U.S. EPA

1040 Truck # on site for loading and transport of non-haz soil. Mike Potter conducts perimeter PID monitoring - Mike reported no PID results above background.

1050 Truck # 665 on site for loading and transport of non-haz soil.

1120 Truck # 705 on site to load and transport non-haz soil.

1150 Horizon Mike Potter mobilizes to central-west portion of site to collect verification samples. Alex Clark observed sample collection.

1210 Truck arrives on site for loading and transport of non-haz soil.

1220 Truck arrives on site for loading and transport of non haz soil.

1230 Truck arrives on site for loading and transport of non-haz soil.

1250 Truck arrives on site for loading and transport of non-haz soil.

1330 Truck arrives on site for loading and transport of non haz soil.

Location Reclamation Oil Date 4/20/11

Project / Client U.S. EPA

Back note: Alex Clark discussed with Mike Potter the need to make sure housekeeping items such as silt fencing are maintained and stressed the need to be as cautious as possible now that trucks are being loaded from Selkirk to avoid spillage into the street to the extent practical.

1350 Truck on site for loading and transport of non-haz soil.

1415 Truck on site for loading and transport of non-haz soil.

1425 Truck on site for loading and transport of non-haz soil.

1440 Truck on site for loading and transport of non-haz soil. Mike Potter conducted perimeter PID air monitoring and indicated no results above background.

1450 Truck loading completed for the day. Alex Clark walked site perimeter and took pictures of excavation progress. Horizon Catskill will clean up excavation area for evening and conduct test.

Location Reclamation Oil Date 4/20/11

Project / Client U.S. EPA

trenching along northern sidewall of southeastern excavation area. Horizon/Catskill will be borrowing gravel from the previously backfilled area of the site to place in excavation areas where water is present. Alex Clark advised Horizon/Catskill to gauge possible contamination within the gravel area that might be present due to possible re-contamination that could have occurred over the last 10+ years.

1530 Alex Clark departed site.

4/20/11

AClark

Location Reclamation Oil Date 4/21/11

Project / Client U.S. EPA

~45°F, Partly Sunny

0830 Alex Clark on site. Catskill excavating at northwestern boundary of site.

0840 Discussed plan for today and tomorrow with Mike Potter. 4 trucks are running today and loading from northwestern boundary will continue and loading out of soil stockpiled from southeastern excavation northern sidewall. Mike Potter indicated soil removal occurred up to the previously filled gravel area and Horizon can collect a sample of the gravel if EPA feels it is necessary or collect a sample and hold it pending discussion w/ EPA. One round of trucks have been to the site thus far. Borrowing of gravel from the previously filled area will continue to fill below the water table in open excavations. Mike indicated 7 fencing panels were stolen the previous evening.

Location Reclamation Oil Date 4/21/11

Project / Client U.S. EPA.

Catskill will be bringing in Snow fencing and we discussed the need to make sure the fencing is OSHA-compliant in terms of supports and pressure and distance. On 4/22 backfilling will occur in the morning and work will cease by early afternoon. Additional excavation will be needed in areas where verification sampling results were above Direct Contact. Mike Potter will be collecting additional interior verification samples today. The excavation is substantially complete at this point with the original footprint being completed today. On 4/25 Catskill will bring in a Concrete Breaker to dismantle the concrete in the Southwest Corner and will excavate that area for disposal.

0920 Truck arrives on site for loading and transport of non-haz soil. Horizon conducting dust monitoring downwind of excavation in northeast corner of the site. The instrument

Location Reclamation Oil Date 4/21/11

Project / Client U.S. EPA

keeps alarming due to the smoke/fume cloud from the scrapping operation north of the site.

0930 Truck on site for loading and transport of non-haz soil.

0940 Truck on site for loading and transport of non-haz soil.

1015 Truck on site to load and transport non-haz soil from stockpiled area on South side of site.

1100 Mike Potter conducted perimeter PID air monitoring and indicated no VOC results above background.

1115 Catskill begins erecting Snow fencing around site perimeter (4 foot) to replace chainlink free-standing fencing due to ongoing theft.

1135 Truck on site to load and transport soil from South side of site.

1230 Alex Clark departed site.

4/21/11

Location Reclamation Oil Date 4/22/11

Project / Client U.S EPA

1030 Alex Clark on site. Mark Entringer indicated 7 loads of backfill have been brought to the site and one more round will be delivered around noon. One additional excavator with a Concrete hammer is on site breaking Concrete on Southwestern Portion of Site.

1050 Tricia Edwards on site. Discussed sampling of previously filled gravel area with Mark Entringer. Tricia advised Mark that sampling should be conducted as the MDEQ will likely want information on remaining contamination. Tricia, Alex and Mark walked site to discuss progress and remaining tasks. Catskill repaired snow fencing in South west corner, where fencing was too far towards the excavation.

1230 Site walk through completed. Tricia Edwards and Alex Clark departed the site.

4/22/11

Alex Clark

Location Reclamation Oil Date 4/25/11

Project / Client U. S. EPA

1050 Alex Clark called Mike Potter to get information on site work for today. Mike indicated backfill was delivered today and some more trucks were expected this morning, but then backfill delivery would cease due to rain and concerns over inability to achieve compaction. Breaking of concrete may continue, but will be weather-dependent.

4/25/11 — Alex Clark

4/26/11 ~~1018~~ Ace

1018 Received call from Mike Potter who indicated backfill delivery and placement are occuring today along with loading/transport of concrete from the South west side of the site. Soil loading will require mixing with fly ash due to significant rain/moisture.

1210 Alex Clark on site. Discussed plans for remainder of today

Location Reclamation Oil Date 4/26/11
Project / Client U.S. EPA

and tomorrow with Mike Potter. A Storm is expected to reach the area around 1300 hrs. It is anticipated only one more truck will be required to complete the removal of the concrete from the southwestern corner. Backfill delivery will cease after the next round is completed if not before depending on when the remaining trucks are expected to arrive. Mike indicated compaction testing is not taking place and Alex indicated that she would discuss with Bill Davidson to provide justification as it is a slight deviation from the work plan. Additional verification sampling and soil loading are planned for 4/27/11 pending the weather.

1250 Alex Clark departed site.

4/26/11

Alex Clark

Location Reclamation Oil Date 4/27/11
Project / Client U.S. EPA

0707 Alex Clark called Mike Potter to discuss plan for today. One truck was on site to load non-haz soil that could not be called off in time. Due to weather, site operations will be shut down after truck leaves for landfill.

4/27/11 Alex Clark

4/29/11
1440 Alex Clark called Mike Potter to discuss progress/plans. Mike indicated remaining soil excavations are complete and soil has been transported off site except the soil stockpiled from the VS17 area pending TCLP results and one interior VSR sample is pending. Backfill delivery is occurring but much water has ponded in south excavation — so gravel/stone will be placed in excavation bottom prior to sand backfill on 5/2-5/3. Mike indicated the sewer line that traverses the site will be replaced rather

Location _____ Date _____

Project / Client _____

then abandoned in place. TCLP and VOC samples results expected back on 5/2 or 5/3.
4/29/11 - Alicia

Location Reclamation Oil Date 6/17/11

Project / Client US EPA

0955 Alex Clark on site. Bob Powell with Horizon on site and discuss work tasks for the day.
1010 Stock drilling on site. Bob Powell conducts health and safety briefing with drillers.
1030 MacroCoring at TW5 begins. Clay encountered at 6 bgs. Water encountered at ~4.5 bgs.
1100 Stock drillers begin setting well at TW5 location.
1115 Stock drillers mobilize to TW11 to begin MacroCore sampling. Clay encountered at ~5' bgs - layer of pea gravel signifies bottom of the removal action excavation. The well will be set 3-5' bgs. Petro odor apparent at pea gravel layer.
1130 Stock begins setting well.
1150 Stock drillers developing TW5 by purging with peristaltic pump.
1210 Stock drillers developing TW11.
1230 Alex Clark departed site.
Alex Clark 6/17/11

Location Reclamation O:1 Date 10/3/11

Project / Client USEPA

1500 Alex Clark on site. Horizon set up at TW5 to conduct ground water sampling. Job Site Services (JSS) on site to conduct preparation work for sewer line replacement.

JSS attempting to locate western manhole but have not been able to locate yet

1550 Horizon collects water sample from TW5 once parameters have stabilized. Samples are collected for VOC analysis. This location will be duplicated.

1600 Horizon finished sampling at TW5 and moves equipment over to TW11 to set up for pumping / sampling

1710 Horizon collects sample from TW11 once parameters have stabilized. Water is coming out of western portion of sewer pipe and JSS working on pumping down the water to the sanitary sewer unless a large amount of water is encountered

Location Reclamation O:1 Date 10/3/11

Project / Client USEPA

and cannot be pumped down - in which case an alternate plan will be devised.

1730 Alex Clark departed site.

10/3/11

Alex Clark

Location Reclamation Oil Date 10/5/11

Project / Client V.S. EPA

1030 Alex Clark onsite. JSS has installed manhole on west side of site and is working towards installing sewer pipe to east side of site. Horizon Dave Bondlow indicates short section of PVC pipe was encountered, but most of existing sewer is clay tile that crumbles during removal. Removed fill/pipe is staged on both sides of trench. Horizon Dave indicates odors have been encountered during excavation, but not encountered significant air monitoring spikes with the PID. Horizon Dave indicated concrete removal of loading dock may be difficult due to thickness and configuration - therefore, sewer replacement and restoration may continue into next week. Alex Clark indicated to Horizon Dave that trench slopes need to be properly maintained given the type C soils and that JSS workers enter

Location Reclamation Oil Date 10/5/11

Project / Client V.S. EPA

the trench for piping placement

1130 Departed Site.

10/5/11

[illegible]