20405.012.002.0174.00

USEPA - START

Allied Paper PRP

Plainwell MI

"Rite in the Rain."

ALL-WEATHER

ENVIRONMENTAL

No. 550F

11/11/08 - 11/13/08 Drilling

12/11/08 - 1/4/09 Oversight

US EPA RECORDS CENTER REGION 5

406734

11/11/08

weather: 32°F; cloudy

0715 Elmer Van Wagner (Weston) @ site trailer

0730 Terra have health + safety meeting. Elmer meet Joe Willoughby (Arcadis) and Steve Boom (CDM).

0730-0840 Tour site w/ Kelly Hudson (Weston).

0843 Elmer meb to drilling site

MATECO @ MW11 drilling site

Plan for each boring is to drill pilot/exploratory boring (4.25" HSA w/ continuous split spoon sampling) to describe lithology @ each hole. Depending on lithology wells will be set (double cased).

0850 split spoon 0-2 ft - MW11

0900 split spoon 2-4 ft gray clay, light brown fine sand, black to dark gray clay.

0905 split spoon 4-6 ft. black to dk gray clay (w/ sheen). dk. gray fine sand w/ shell material. wet @ tip.

0910 split spoon 6-8 ft same as above wet (4 inches)

0915 split spoon 8-10 ft 2" same as above.

0920 split spoon 10-12 ft f-c sand wet black

Steve Boom (CDM) & Ron Kuhn (Arcadis)

11/11/08

Allied Paper / USEPA

weather: 34°F; cloudy

0925 split spoon 12-14 ft f-c sand wet gray

0930 end of boring 14 ft; MATECO prep to grout boring.

MATECO to get supplies/materials for grouting

0940 grouting test boring MW11

1000 move to MW13 location for exploratory boring. Set up rig (CME55 w/tracks)

1010 MW13 split spoon 0-2 ft 14" black sandy silt (1") brown (f-c) sand (2") (11") gray silty clay to clay

1020 split spoon 2-4 ft 3" same as above (gray silty clay)

1023 split spoon 4-6 ft; 0.6' same as above (0.4'); ½" brown f-m sand; 0.2" black to dark gray silty SAND; wet @ tip.

1030 split spoon 6-8 ft 0.5' f-c sand and trace fine gravel light gray to gray (photograph #1948) (suspect impacted material); wet

1032 split spoon 8-10 ft; 0.6 ft light gray to gray f-c sand with silt + clay (suspect material) (photograph #1949)

1036 split spoon 10-12 ft; 0.6 ft

Location

Date 11/11/08

Project / Client

weather: cloudy 35°F

gray to light gray f-c sand f-m gravel. wet

1042 split spoon 12-14 ft 0.1 ft (wet) same as above

1045 split spoon 14-16 ft 0.8 ft; same as above wet

1050 split spoon 16-18 ft; 0.4 ft wet same as above

End of boring @ 18 ft; MATECO prep to grout boring

All cuttings @ MW11 + MW13 are being contained in a drum.

1103 mixing grout (portland/bentonite)

1107 grouting MW13 location/pulling augers

1120 completed grouting; move to MW15

1140 set up on MW15

DRILLERS take LUNCH

1310 MATECO begin drilling MW15 exploratory borehole

0-2 ft 1.4 ft recovery; 0.1' organic material/leaves silt; 0.1 ft light gray silty clay; 0.8 ft gray silty clay; brown fine silty SAND, moist.

1320 split spoon 2-4 ft missed description

1324 split spoon 4-6 ft brown fine SAND 0.4 ft

11/11/08

Weather: 37°F cloudy

MW14 4-6' & MW13 6-8' were sent to lab for 24hr turnaround by ARCADIS

1322 split spoon 6-8 ft grayish-green f-c sand; wet H_2O ≈ 7.0 ft below ground surface recovery 0.7 ft @ 6.8 ft

1330 split spoon 8-10 ft; 0.7 ft grayish-green f-c sand; some fine gravel, wet

1336 split spoon 10-12 ft 1.1 ft recovery Same as above; wet

trace medium gravel

1340 split spoon 12-14 ft 0.2 ft same as above black wet

1342 split spoon 14-16 ft 0.3' same as above, black

1350 split spoon 16-18 ft no recovery

Suggest to Arcadis to have drillers run bottom plug w/in augers. We are getting some slough within augers which is make description of lithology difficult

Drillers will run bottom/center plug in next boring.

1408 drillers mixing grout.

1415 completed boring; move off MW15 move to MW10 location

Location

Date 11/11/08

Project / Client

weather: 34°F cloudy

1448 setting up on MW10

1500 Drilling MW10; split spoon 0-2 ft: 1.2 ft recovery; 0.2 ft silt dark brown w/organic material; brown f-c sand; trace fine gravel moist (1.0 ft)

1502 split spoon 2-4 ft; same as above (0.3'); ~~light~~ gray clay; (0.4'); black silt/clay (0.2'). moist

1506 split spoon 4-6 ft 1.0 ft black to dark gray fine SAND, wet

1510 split spoon 6-8 ft (1.0 ft); fine sand; fine-coarse sand; grayish-green to gray light gray (calcareous) trace med. gravel. wet

1515 split spoon 8-10 ft 0.3' ft; wet; same as above; coarse gravel in shoe;

1518 split spoon 10-12 ft 0.7 ft same as above (light gray calcareous layers) fine to coarse sand fine-coarse gravel wet

1523 split spoon 12-14 ft 0.85' gray f-c sand; trace f-c gravel wet

1527 split spoon 14-16 ft (0.7') same as above wet. end of boring 16 ft

1536 grouting MW10

11/11/08

weather: cloudy 34°F

MW-15 and MW-10 cuttings were contained in 55 gallon ~~[illegible]~~ drum.
1545 mob to trailer (MATECO) near US131 turnaround.
decon augers load materials
1611 Elmer to trailer

Location

Date 11/12/08

Project / Client

weather cloudy; ~~[illegible]~~ 37°F feels like 31°F

0715 Elmer VanWagner on site @ Weston trailer.
0730 Health + Safety meeting @ Terra Trailer.
0800 Ron Kuhn (Arcadis) identified the drillers are loading rig & mobilizing to north side of Kalamazoo River set up/mob time will be approximately 45 minutes.
0934 Crew arrives at north side of river near Area 4N.
Unloading CME55 tracked rig
1000 39°F, raining
Drillers have unloaded CME55; truck pulling drill rig trailer slid off roadway using CME55 to pull front end of truck back on roadway
MATECO pulling trailer onto roadway also.
1015 mob from staging area to MW7
1039 set up on MW7
1042 split spoon 0-2 ft 1.7ft
0.2' brown silt w/organics; 1.5ft gray silty clay, moist

Date 11/12/08

weather 31°F cloudy

1048 split spoon 2-4 ft; 1.4 ft; 0.7 ft gray silty clay; ~~0.7ft~~ 0.2 ft dark brown fine SAND; 0.5 brown fine SAND; moist

photo 1958

1051 split spoon 4-6 ft; 0.5 ft brown fine sand, moist.

1055 split spoon 6-8 ft no recovery, repeat 6-8 ft interval split spoon.

1100 split spoon 6-8 ft using oversize split spoon brown sand fine to coarse trace fine-medium gravel; wet 0.4'

water table ≈ 6.0 ft below ground surface,

11:04 split spoon 8-10 ft; 0.7 ft brown clay (0.2'); brown f-coarse SAND (0.5') wet.

1107 split spoon 10-12 ft; 1.1 ft f-c sand, brown wet

trace fine-med gravel

1113 split spoon 12-14 ft; 0.6 ft (f-c) sand brown, wet.

1118 split spoon 14-16 ft; 1.2 ft; 0.9 ft brown sand f-c grained; 0.3 ft gray m-c SAND, trace fine gravel, wet

1120 prep for grout borehole

Location

Project / Client

11/12/08

weather; windy, 39°F, cloudy

1127 mixing grout

boring depth 16 ft end of boring MW7

1130 pulling augers + grouting boring

1135 Steve Boom heading back to site trailer.

1140 Elmer to site trailer

1200 Conference call with USEPA MDEQ, Arcadis regarding well installation and river water levels water levels are + 5 to 6 ft higher than normal, Arcadis is going to recommend well installation at later schedule when water levels have receded. Pilot borings will be drill 16 ft below water table from this point forward

1250 Elmer / Steve Boom return to MW7 locations. Drillers @ lunch.

1315 set up on MW08

1323 split spoon 0-2 ft 0.7' brown f-c sand + fine gravel, moist (roadway material)

1334 split spoon 2-4 ft 0.2' same as above, moist

Date 10/12/08

weather: cloudy, 44°F.

1338 splitspoon 4-6ft; 0.4ft, dark gray silt (0.1); dark brown fine sand (0.1'); fine sand brown (0.7') moist

1341 splitspoon 6-8ft 0.4ft brown f-c SAND; trace fine-med. gravel, wet.

1344 splitspoon 8-10 ft; 0.9 ft; 0.5 ft brown f-c sand; 0.3 ft fine sand brown; 0.1 ft fine gravel light gray

1349 splitspoon 10-12 ft; 0.9 ft 0.3 ft f-c sand brown; 0.6 ft brownish gray fine SAND; wet

1355 splitspoon 12-14 ft; 1.0 ft brownish gray fine SAND (0.5); ~~trace fine gravel, wet~~ grading into fine to med sand w/ trace fine gravel; wet (0.5')

1400 splitspoon 14-16 ft; 0.6 ft; 0.4 ft brown fine SAND; trace med gravel; 0.2 ft black/dark gray M-C SAND; trace fine gravel well rounded; wet

1407 splitspoon 16-18 ft 0.8 ft m-c sand, black trace fine gravel wet no odor.

1412 splitspoon 18-20 ft; Same as above 0.8 ft wet

Location

Project / Client

10/12/08

weather 40°F, wind, cloudy

1417 splitspoon 20-22 ft 0.7 ft same as above; wet

1420 splitspoon 22-24 ft; 0.3 ft same as above; wet

end of boring 24 ft water @ 6' below ground surface

1425 prep to grout boring

1445 mixing grout

1500 grouting MW08

1525 completed MW08 grout, moving to MW06

1550 Appears to be residual sediments at surface

1600 Begin splitspoon MW06 0-2' 24" Spoon light gray silty clay moist.

1604 2-4 ft, 24"; photo 1961 same as above moist

1606 4-6 ft splitspoon photo 1962 12" same as above; 4" brown fine sand and Brownish green fine sand

1609 split spoon 6-8 ft brown fine sand, wet; (12 inches)

Date 11/12/08

weather rain, cloudy 40's

1611 split spoon 8-10 ft same as above wet (1.2ft)

1616 split spoon 10-12 ft same as above wet

1621 split spoon 12-14 ft same as above (1.2ft)

1625 split spoon 14-16 ft 24" same as above

1633 split spoon 16-18 ft (1.2 ft) med-coarse sand brown wet

trace fine gravel

1637 split spoon 18-20 ft 0.65' same as above wet

1640 split spoon 20-22 ft same as above. 12"

trace fine-med gravel

1644 split spoon 22-24 ft 1.2 ft med. to coarse SAND gray wet

trace fine-med gravel

end of boring 24 ft

1648 pulling augers/preparing to grout.

1700 MATECO move off location

1745 Elmer sign out

Location

Date 11/13/08

Project / Client

weather: cloudy 48°F

0715 Elmer on site.

0730 Health + Safety meeting @ Terra trailer. Drillers (MATECO) indicate they will be ready to set up @ ≈0830

0900 Mike Ribory (EPA) + Elmer @ two track near MW9 location, drillers still @ MW6. Find Steve Boom (CDM) Steve indicates drillers getting water, have to fix something on auto hammer before start work.

Mike (EPA) leaves Elmer with his phone number. Will call him when we get moving to next location.

0950 drillers ready to drill @ MW2 Elmer call Mike (EPA) to notify him of location.

0955 MW2 split spoon 0-2 ft; 24" recovery dark gray silty CLAY trace organic material; moist

1000 2-4 ft split spoon (1.6ft); same as above (0.8') ; 0.5' olive green fine sand; 0.3' light gray to light grayish green fine sand wet. (Photo)

11/13/08

weather 48°F; cloudy slight breeze

1003 split spoon 4-6 ft (1.0') ; a light gray fine sand w/ trace ~~m-c~~ (f-c) gravel (0.4') ; 0.6 ft brown sand w/ ~~mac~~ (f-c) gravel. wet

1017 split spoon 6-8 ft, 0.6 ft; same as above brown to light tan wet Water @ 3'

1019 split spoon 8-10 ft; 0.4' sand (black) f-c sand; f-m gravel; wet

1022 split spoon 10-12 ft (0.2') same as above

1028 split spoon 12-14; 0.4 ft f-c sand gray; wet; trace fine gravel

1015 Mike Ribory (USEPA) arrive at MW2

1033 split spoon 14-16 ft (1.45') 0.6 ft same as above, wet; fine sand gray wet (0.85')

1043 split spoon 16-18 ft (1.0 ft); fine sand brownish-gray; wet

1050 split spoon 18-20 ft (0.7') gray fine sand; wet

1100 end of boring 20 ft; prep to grout MW2 location

1103 Mike Ribory (EPA) leave area.

1115-1125 move set up on MW1

1130 Lunch

Location

Project / Client

11/13/08

weather 40's; windy cloudy

1310 split spoon MW1 0-2 ft (1.2 ft) dk brown sand (0.3') ; 0.3' brown f-c SAND; 0.6' gray silty clay moist

1314 split spoon 2-4'; 0.9' same as above (gray silty CLAY) moist

1318 split spoon 4-6' (with 2" split spoon - no recovery) try 3" split spoon @ 4-6'

1321 split spoon 4-6 ft no recovery

Weather: windy 40's; partly sunny

1323 split spoon 4-6 ft no recovery - drill to next interval 6-8 ft

1330 split spoon 6-8 ft (1.2') ; black to dark gray silty clay (0.4') ; black silty clay (0.3') ; dark gray to black fine sand (0.2) ; gray fine SAND; wet (0.3')

1333 split spoon 8-10 ft; 0.8 ft; gray fine SAND (0.6') ; brown sand (f-c) (0.2') ; wet

1336 split spoon 10-12 ft; 0.35'; sand + gravel. well rounded; wet

1341 - water @ 9 ft below ground surface

1342 split spoon 12-14 ft; black sand + gravel (0.75') wet

1346 split spoon 14-16 ft; 0.25' same as above; wet

Date 11/13/08

weather partly sunny; 40's; windy

1351 split spoon 16-18 ft; (0.25') same as above; wet.
1355 split spoon 18-20 ft; same as above wet
0.5 ft
1358 split spoon 20-22 ft; no recovery.
drill to next interval
1406 split spoon 22-24 ft (0.6 ft) same as above, wet
24 ft end of boring
piezometer installation
water level in borehole is 6 ft below
ground surface
drillers to retrieve well materials
1420 driller returned w/ 2" PVC riser/screen
holeplug & silica sand
PVC screen 0.010 inch slot; 10 ft screen;
PVC riser (all schedule 40) sand pack is
#5 silica sand. Total depth screen 3-13';
sand from 13' to 2'; holeplug 2'-surface.
holeplug is 3/8" chips.
1513 well construction complete MW1
j-plug at well cap.
weep hole drilled through PVC casing
photo PZ-01
1525 move off MW/PZ01

Location

Project / Client

11/13/08

weather: sunny, 47°F windy

decon augers move to MW04
1543 setup on MW04
1555 drill through backfill/gravel
used for drilling pad.
0-6 gravel pad
1600 split spoon 6-8 ft (1.5 ft); black to
dark olive green fine sand; wet @ tip
1604 split spoon 8-10 ft; very little recovery
attempt ~~spoon~~ with 3 inch split spoon
(0.5') ~~light~~ gray to light gray sand + gravel
wet. photo #1977
1612 split spoon 10-12 ft; 0.4' light-
gray, sand + gravel, wet
1616 split spoon 12-14 ft; 0.8';
0.2' same as above; 0.6 ft M-C sand brown;
trace fine gravel wet
1620 split spoon 14-16 ft; (0.7 ft); brown
clay (0.3'); sand + gravel brown (0.4') wet
1625 split spoon 16-18 ft; (0.6 ft); 0.35'
brown sand + gravel; (0.15') black fine
sand; (0.05') medium sand, brown; wet
1634 split spoon 18-20 ft f-c sand;
(0.45'); wet
1650 complete boring end of boring = 20 ft

Date 12/13/08

1655 Elmer back to trailer
Download photos
1745 Elmer leaves site for day

Location Plainwell MI 12/11/08

Project / Client Allied Paper / USEPA

Partly cloudy 15° (Feels like 6°) Forecast: Scattered Flurries High 33°/Low 22°

0725 Onsite. H+S: Mobilization, loading equipment (pinch points, clear of ice and snow). Everyone needs to decon. Activities: SA4N pug and load out, mobe out equipment. Decon in-place mats. KBJ

0900 Check on activities. Excavation of Coffer Dam. SA4N load out.

1330 Check on activities. Same as before.

1545 Check on activities. Same as before.

1730 Offsite for the day. KBJ

Kej Jonas

KBJ
12/11/08

Plainwell MI Date 12/12/08

Allied Paper / US EPA

Light snow, 23° (Feels like 16°) Forecast: Snow showers High 20 / Low 17°

0720 On site. H+S: Hazards of ice. Activities: Area 13A excavation, SA4N pug and load out. Frac tank was emptied yesterday, so the sump can run again. King onsite.

0800 Work on QAPP attachments.

1110 Check on activities. Shutting down for lunch. Were working on Area 13A excavation. King working on north shore. SA4N pug. Taking out part of road. Using crane to lift parts of bridge.

1115 Offsite for the week. KBJ

Kelly Jones

KBJ
12/12/08

Location Plainwell MI 12/15/08

Project / Client Allied Paper / US EPA

Blowing snow 16° (Feels like 5°)

1030 Arrive onsite. Check with Mike Kohagen re: activities. No trucks running (accidents in Grand Rapids). King working by Phase II Coffer Dam area, to get crane in to be able to pull sheets when Terra is done excavating. Terra excavating Phase II, soil processing at SA4N.

1400 Check on activities. Excavating Area 13A bank. Pug at SA4N. Terra trucks parked at SA5S. No observable activities from King.

1730 Offsite for the day. KBJ

Kelly Jones

KBJ
12/15/08

Plainwell MI Date 12/16/08

Allied Paper / USEPA

Light snow 17° Forecast: Cloudy High 23°/Low 20°

0715 Onsite, followed shortly by Drew (Arcadis). They have cores to process from Plainwell Dam II. ~~Area~~ H+S: truck traffic. Activities: SA4N pug and load out. Excavating Area 13A. Moving out sheets. King working with crane. Arcadis to sample two grids later today. ——— KBJ

0800 John Bradley (MDEQ) onsite. ——— KBJ

0822 CDM starting to process cores: Michelle observing. John (MDEQ) cataloguing

1005 Check on activities. King on south shore working on excavator. Flatbed onsite to haul off equipment. King also on north shore working on crane (currently not removing sheets). Terra excavating Area 13A. Terra hauling off crane in SA5S and working on haul truck.

1015 Mike Ribordy and Sam Borrias (EPA) onsite.

1035 Soil processing at SA4N. Haul truck staged for loading. Only Non TSCA on pad. TSCA still being left in place.

1200 CDM stopped for lunch. ——— KBJ

1240 King hauling off stop logs from WCS

1245 CDM/MDEQ resume processing

Location Plainwell MI 12/16/08

Project / Client Allied Paper / USEPA

1400 Check on activities. TSCA material has been stockpiled in Area 13A. Terra not currently excavating. King placing crane mats on to move equipment closer to remove enclosing sheetpiling). SA4N soil processing. ——— KBJ

1530 EJ informed EPA re: soil removal along concrete wall (allowing toe)

1540 Call from Mike Kohagen. Going try to get boat in water at about 1630 to collect samples. Will process in Arcadis bldg. Then called back. Delayed until tomorrow AM.

1730 Offsite. Everyone still in trailer (Drew, John, Michelle, Mike, and Sam).

——— Kaj Jones

12/16/08

KBJ

Plainwell MI 12/17/08

Allied Paper / USEPA

Cloudy 18° Forecast: Few snow showers High 28°/Low 18°
Accumulated a couple inches of snow

0705 Arrive onsite, followed shortly by Drew. H+S: snow and ice. Stakeholders meeting today. Activities: Driving sheets on south side. Similar activities as yesterday. Arcadis to sample later this morning

1020 Check on activities. Terra excavating Area 13A. Crane operations on north side. King pulling sheets / steel in Coffer Dam area. Terra bringing in a generator on the south shore.

1410 Check on activities. Heavy equipment moved to south shore, including a crane and an excavator. No observable activity. A ramp to the water was excavated near sheetpiling on south side. Crane able to get closer to water. Two sheets broke while trying to remove.

1703 Sampling Area 13A, Grid 10BS, TS20256. Non-TSCA. Composite: Black silt, some sand, soft, petro odor. ——— KBJ

1709 Sample TS20256. ——— KBJ.

1718 Sampling Area 13A, Grid 9BS. TS20257. Non-TSCA. Composite: Black silt, some clay, soft, petro odor. START split: APS-121708-46-SD/TS20257.

1725 Sampled TS20257 and split sample.

NOTE: Observed beginning of sampling from south

Location Plainwell MI 12/17/08

Project / Client Allied Paper / USEPA

NOTE: Shore. Mike and Dennis were on a barge in the Coffer Dam Area, with Crane pushing the barge into position. Mike then sampled off the side of the barge. ——— KBJ

NOTE: CDM / MDEQ collected 48 cores, and 70-80 samples. Completed Sampling today and packed up most of their area of the trailer.

1800 Offsite for the day ——— KBJ

Kef Jonas

KBJ

12/17/08

Plainwell MI 12/18/08

Allied Paper / USEPA

Cloudy 20° Forecast: Cloudy High 26°/Low 23°
Big snow storm tonight.

0930 Arrive onsite. Fill out COC for sample.

1012 Check on activities. King putting in sheets (building a temporary platform) on south side. Need to create some stability. Pulling sheets in Coffer Dam area. Terra excavating Area 13A. ——— KBJ

1018 Offsite to deliver sample to TriMatrix.

1100 Drop off sample. Return to site.

1150 Back onsite. ——— KBJ

1535 Check on activities. King still working on platform. Impeded by rocks and concrete. In Area 13A, appears to be reassembling crane after removing boom extension. Terra not currently excavating. Soil processing and load out from SA4N. ——— KBJ

1730 Offsite for the day. ——— KBJ

Kelly Jonas

KBJ
12/18/08

Location Plainwell MI 12/19/08

Project / Client Allied Paper / USEPA

Snow 24° (Feels like 12°) Forecast: Heavy snow 25°/2
Several inches already on the ground.

0900 Arrive onsite. Arcadis building dark, and little activity observed by Terra trailers. Administrator (Terra) indicated no operations today. Will send Dennis over when he arrives. ——— KBJ

NOTE: Talked to several people, and discussed with Mike Ribarsky. Operations on Monday, Tuesday and Friday for each of the next two weeks. Not likely to sample. Will not be back onsite until 1/5/09 or until Terra starts to excavate pipeline (but that's not anticipated until next year.) ——— KBJ

1005 Carry boxes out to car. Notice a couple cars at Arcadis building ——— KBJ

1100 Offsite for the week ——— KBJ

Kelly Jonas

KBJ
12/18/08

Plainwell MI 1/5/09

Allied Paper / USEPA

Partly Cloudy 21° (Feels like 11°) Forecast: Partly Cloudy High 23°/Low 21°

0955 Arrive onsite. Check on activities. One crane on a barge in Coffer Dam area. Another crane is moving large steel cylinders (were part of bridge). Talked to Michelle (Arcadis). They collected two samples last week (one failed). There is underburden in that area. Terra hauling material, demobing equipment. Pugmill at SA4N is gone. Don't think they will have to treat any more water

1240 Call from Ribordy + Burries (EPA). Going to be onsite on Wednesday

1430 Call from Michelle. Going to sample failed grid around 1530. KBJ

1515 Arrive at Area 13A. Terra scraping some soil. King pulling sheets in Coffer Dam area. Looks like some equipment being loaded for removal on both sides of the WCS. KBJ

1530 Terra and Arcadis onsite for sampling. GPS not working well on staff - so relying on one in excavator. Stockpile of soil from TSCA - includes additional 6" from failed grid. Observed P2-01 (Post Construction MW-01) near failed grid. KBJ

Location Plainwell MI 1/5/09

Project / Client Allied Paper / USEPA

1604 Sampling Area 13A, Grid 9A - TSCA (resample). TS20260. Composite. Gray-brown clayey silt, trace organics.

1608 Sampled TS20260. KBJ

1715 Off site for the day. KBJ

NOTE: Mike Kohagen indicated pipeline excavation not scheduled this week. Dependent on water level (river has gone down since the rains over a week ago). KBJ

Michelle indicated there are about 10-12 more samples (not all under the road). KBJ

Dennis indicated safety meeting to return to 0730 KBJ

Kej Jonas

KBJ

1/5/09

Plainwell MI 1/6/09

Allied Paper / USEPA

Fair 10° Forecast: Cloudy chance of pm snow showers High 32° / Low 27°

0725 Arrive onsite. H+S: pinch points while loading equipment. Watch out for each other. Be mindful of how you load equipment. Dangers of water blasting. Activities. King - hammer broke yesterday (new one coming in), pulling sheets in Coffer Dam pm. IS - water blasting. Terra - loading TSCA, decon equipment, demoing equipment. KBJ

0950 Check on activities. Little activity at 13A. Looks like just prep work (not loading out, excavating, or pulling sheets). Prepping for equipment decon and load out at SA4N.

~~1410~~ ~~1410~~ KBJ Check on activities. Terra excavating concrete and rocks from d/s of the former WCS. Load out SA4N and deconning equipment. King in Area 13A. KBJ

1550 Check on activities. Same as before.

1630 Offsite for the day KBJ

Kelly Jonas

KBJ
1/6/09

Location Plainwell MI 1/7/09

Project / Client Allied Paper / USEPA

Light snow 26° (about 1 in accum.) Forecast: Light snow / Cloudy High 31° / Low 26°

0725 Onsite. H+S: need to salt everything, esp. on SA4N pad and trucks (have to pay more if they have to dig out the load.) Activities: SA4N loadout (Non-TSCA), 1 load ~~B~~TSCA, decon / water blasting (IS onsite), King loading out sheets. Terra going to take out haul road to 13A and replace it. Surveyor going to shoot in the well locations. Need to load out the jersey barriers from SA5S as well KBJ

0950 Check on activities. Surveyor onsite. Long reach finished stockpiling in Area 10A and is moving to SA4N. Not currently excavating concrete by WCS. Loading equipment to demobe. Deconning and Non-TSCA load out at SA4N. King has crane and crew on barge by sheetpiling in Coffer Dam area, but not currently pulling sheets. KBJ

1200 Sam Borrico onsite. Discuss scope of work and when I need to be onsite. Then discuss schedule with Mike Kohagen. They may put off removal of road until next week. Will talk to EJ later.

Plainwell MI 1/7/09

Allied Paper/USEPA

1350 Check on activities. King pulling sheets in the Coffer Dam area. Loading equipment for demobe in Area 13A. Deconning equipment at SA4N. Jersey barriers loaded up for demobe. Truck stationed for soil load out at lining station. Surveyor still onsite.

1515 Checked with Kohagen. Still hasn't heard from EJ. ——— KBJ

1530 Borrias offsite. ——— KBJ

Note: Tried to nail down road excavation and sampling timeline with Mike Kohagen three times today. As of 1740, there still wasn't a decision of when it will be.

1800 Offsite for the week ——— KBJ

Kelly Jonas

KBJ

1/7/09

Location Plainwell MI Date 1/12/09

Project / Client Allied Paper/USEPA

Am snow High 27° / Low 19°. Several inches of snow on the ground

1005 Arrive onsite. Get ready for Sampling. ~~Michelle~~ Mike KBJ indicated there were about 12 samples, and due to the weather, The ~~so~~ cores would be collected and taken back to the Arcadis bldg for processing. ——— KBJ

1045 Arrive at Area 13A. Terra excavating in this area, and soil processing at SA4N. The area to sample is either covered in too much snow and is very wet (requiring waders), or is excavated to the intermediate tin but should be cleaned up. That soil (which is clean fill) will be deposited in hole to allow King access to barge. Terra will take care of it, and Arcadis will reschedule the sampling to this afternoon. ——— KBJ

1340 Call from Michelle. Sampling around 1430.

1435 Arrive at Area 13A. Arcadis locating sample locations with Dennis

1500 King pulling sheets in Coffer Dam area. Pulled ~~shet~~ and didn't know where to put it. And the hammer was slipping, so the sheet fell into the water. Also appears King is working on pier on south side.

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C 1550 Finished sampling three grids and
" returned to Arcadis bldg for processing.
Arcadis TOOK piezometer readings.

1623 Sampling Area 13A, 9C-TSCA.TS20261.
Composite: (2) dk brown / gray sandy silt,
some clay - 1 has odor, (3) brown sand with
" ~~some~~ trace silt, trace pebbles. ——— KJJ

" 1630 Sampled TS 20261. ——— KJJ

" 1637 Sampling Area 13A, Grid 8-TSCA.TS20262
" Composite: DK gray / brown clayey silt, trace
sand, trace organics. START split sample
(APS-011209-47-SD/TS20262)

1645 Sampled TS20262 and START-split.

1650 Sampling Area 13A, Grid 9A, TS20263.
Composite: (4) black silt, moist to very moist,
trace clay, odor (1) brown sand and pebbles,
" wet, some silt, odor ——— KJJ

1655 Sampled TS20263. ——— KJJ

1700 Prepped COC, called lab to confirm
someone would be there.

1730 Left site for the lab to drop off sample.

1810 Drop off sample to lab. Return.

1850 Arrive back at Plainwell. Done for the day.

Kelly Jonas

Location Plainwell MI 1/13/09

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Snow showers 26° (feels like 16°) Forecast: snow/wind High 24°/Low 9°
Another couple of inches of snow overnight

0725 Arrive onsite. H+S: Slips/trips/falls. Snow/ice.
Keep your area/equipment cabs clean.
Visitors onsite today (may not be used to
construction sites). Weather - cold getting
colder. Activities: Going to try one round
of loadout, Excavation of pipeline. King has
mechanic working on hammer. Snow plow.

Note: Informed this AM that power to the trailer will
be cut on Thursday, and the trailer demobed
on Friday. Emailed EPA and CDM.

0845 Arrive at Area 10A - at pipeline excavation.
Crew marking ~~pipeline~~ utility (Consumers), then
followed by gas co. (Mich Con?) Terra clearing
snow and placing crane mats.

0910 Excavation started by d/s (west) pipeline

0920 Mike Kohegan asked if they could collect the
samples and process this afternoon. Due to bad
weather coming, I agreed.

Note: U/S pipeline is 8" (Mich Con) and D/S is 20" Consumers
Consumers line is about 8 ft down, but they
must maintain 5 ft coverage.

0955 Paul Buchotz onsite. Mich Con rep indicated
he was unsure how deep the pipe was on north
side of road, pipe is about 10.5 ft.

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1020 Terra indicated they have excavated to tin - the main concern was a low area by the river. Did not have to excavate over 2nd pipeline. KBJ

1032 Moved over to Area 13A. King back to pulling sheets. Arcadis getting ready to sample. Crew working on South side by former WCS.

1100 Terra fished sheet that fell into dam area and leaned on pier. KBJ

1115 King stopping for lunch. KBJ

1120 Terra + Arcadis stop sampling - Arcadis going to process two grids.

1217 Sampling Area 13A, Grid 9B, TS20264. Composite: Black silt, some clay, trace organics (leaf litter), odor. KBJ

1225 ~~1227~~ Sampled TS20264. KBJ

1228 Sampling Area 13A, Grid 8A. TS20265. Composite: DK brown / gray clayey silt, trace pebbles. KBJ

1235 Sampled TS20265. KBJ

1335 Returned to Area 13A. Excavator over in Area 10 A (not excavating). King working in Coffer Dam area. Pulled sheets are being pushed into the ground slightly in the dam

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1335 (cont) area for stockpiling. Arcadis and Terra already sampling. SAYN load out

1450 Couple of King crew offsite. Rest still working. Some work at former WCS.

1500 Arcadis finished sampling and lead offsite to bldg to process. KBJ

1552 Area 13A1, Grid 8B. TS20266. KBJ
Composite: DK brown / gray silty clay. Trace sand, No odor. KBJ

1555 Sampled TS20266. KBJ KBJ

1605 Sampling Area 13A1, Grid 8A. TS20267. KBJ
Composite: DK brown / gray clay with some silt, trace sand. KBJ

1611 Sampled TS20267. KBJ KBJ

1615 Sampling Area 13A1, Grid 7B. TS20268. KBJ
Composite: DK brown / gray silty clay, some pebbles / gravel, trace sand.

1623 Sampled TS20268.

1630 Sampling Area 13A1, Grid 7A. TS20269
Composite: DK gray / brown sandy silt, trace pebbles. ~~EPA split.~~ KBJ

1635 Sampled TS20269 ~~and APS-011309-48-50~~ KBJ

1642 Sampling Area 13A1, Grid 6. TS20270.
Composite: DK gray / brown clayey silt. Trace organics. EPA split.

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1648 Sampled TS 20270 and APS-011309-48-SD / TS 20270 — KBJ

1657 Sampling Area 13A1, Grid 8 - TSCA. TS20271. Composite: Dk brown clayey silt, trace organics. — KBJ

1702 Sampled TS 20271. — KBJ

Prep split for lab (COC, label)

1720 Offsite to deliver sample.

1810 Drop off sample at lab. Return to Plainwell.

1845 Offsite for the day — KBJ

Kay Jones

KBJ

1/13/09

Location Plainwell MI 1/14/09

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Light snow, 9° (feels like 0°) Forecast: Snow High 10°/Low 1°

0725 Onsite. H+S: Bitter cold, breaks, watch each other, PPE if working near water. Slip/trip/fall. Warm up hydraulics. Activities: TSCA loadout, start tearing up SA4N. King working in Coffer Dam area. Terra working on pier at WCS. — KBJ

1000 Check on activities. King in Coffer Dam area. Terra working on equipment by former WCS. — KBJ

I pulled the lexan and wood from under the trailer (Drew - CDM coming today to grab it). Pack up trailer. Office equipment belongs to Arcadis.

1145 Drew (CDM) onsite to haul off lexan.

1420 Check on activities. King pulling sheets.

1630 Check on activities. King working. Most activities shutting down. Finish packing up trailer. Got my sample result back and two from Arcadis - all clean enough. Left a message for Ribody. — KBJ

1735. Offsite for the week. — KBJ

Kay Jones

Plainwell, MI 9/7/10
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1147- START Browning calls OSC Borries to give Mr. Borries an update concerning the Allied Paper #2 Dam site. During the phone conversation, START Browning reminds Mr. Borries to bring Arcadis' completion report to the site so that the site diagrams in the Arcadis report can be incorporated into the Weston removal report for the first Allied Paper report. MTB

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1142- OSC Borries states, upon arriving at the site, that he did not bring the Arcadis completion report to the site. START Browning states that once Mr. Borries is able to provide the completion report, and the diagrams in the report that will go into the Weston report; START Browning will be able to complete the report by incorporating the diagrams into the Weston report, along with the PDF versions of the analytical result tables and the manifest tracking tables.