166404

Dead Creek Log
Book #2

"Rite in the Rain"®
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"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

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Project Dead Creek Sediment Removal
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12/10/01 (Cont.)

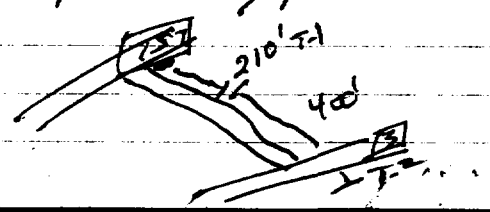
1310 Drove to CS-F area. Stockpile removal almost complete.

1330 Kevin Turner onsite. Explained the importance of the time variable when performing the VOC sampling. He & John drove to see CS-F near wetland. Plan is to begin excavation south of new culvert towards wetland. Dam flow at bend, pump from upstream areas into dam area ~ side of new box culvert. Leap frog after that - dam-pump...

1345 Rich and Erik making first stake 3 at CS-F then moving North.

1400 Spoke with John. Kevin is ok with sampling plan. Not going to use the EnCor sampler for VOC. Pull sample from composite timely with no head space, load in ice chest quickly. Kevin stressed minimal handling time on sample handling.

1430 Rich & Erik began staking off CS-F. Pattern facing NE. Placement of culvert affected 400' placement of points



12/10/01 (Cont.)

1500 Walked off CS-E. Questions arose as to whether culverts are calculated into sampling distances.

1545 Kevin Turner specified keeping the # of samples, just change frequency. Document changes.

1600 Spoke with Erik & Rich about CS-B frequency change. 2 TCLPs per letter don't have to be from remaining 3 points. No TCLPs were done, so one can be pulled N of CS-B, T14.

1615 off site

R

12/11/10 Sunny ≈ 45°F

1245 Arrived at CS-E. 3 trucks lined up on levy. Excavation being done on CS-F b/w NJ culvert & bend.

1250 At office. Maverick replacement for Erik, Ken Lafferty. Discussed sampling plan with Maverick & Golder. Footage is less than anticipated, so sample frequency is less.

1340 Observed Rich on placement of stakes at CS-C.

1420 CS-C stakes done. CS-C-T1 will be TCLP

1430 At CS-F for 1st sampling.

1445 1st event CS-E-T2 in front of church

1448 Done with 1st event

1529 Back on site. Observed samples being prepared & pulled from bags. Discussed TCLP at CS-F near bend.

1620 Off site

Photos from Rich!

12/12/01 Rain, cold 35°F

11:45 Arrived on site. Discussed sampling events. Stopped raining for the time. Ken Lafferty updated drawings to reflect placement of TCLP points.

1210 Lunch

1230 Back on site. Met with Ken Again to discuss additional TCLP points at CS-D and CS-E. Rain started again. Rich and Erik on site again. We discussed additional and updated sampling plan.

1325 Arrived to CS-D for sampling.

1407 Done with CS-D sampling.

1445 Samples being placed into jars. Observed sample media transfer.

1510 Spoke with Erik about possible problems tomorrow with rain.

1530 off site

Photos from Rich!

12/13/01 Overcast 45°F

0845 Onsite. Met with Rich & Erik about CS-C sampling. 9 samples + duplicate. Samples prepared & containerized.

1200 Erik went to CS-F to view excavation & to determine if ~~any work~~ will be done today with recent rain yesterday hindering operation.

1300 Discussed additional sampling efforts with Ken, Erik, and Rich. Added TCLP of bed in CS-4. Will sample in CS-E tomorrow as much as they can.

1416 Marked up recent drawing with added sample points, included CS-B TK5 TCLP. Requested 11"x17" copy of site sampling map from Ken.

1445 Spoke with Ken again about sampling tomorrow. Starting at approx. 8:30.

1450 Off site

RC

12/14/01 Cloudy 35°F

0800 RAC onsite. Ken and Rich discussing rain from last night. Incident near Rte. 3 and 157 w/ motorist hitting the sign for construction. Ken getting information from police.

0820 Rich and I drove to CS-E to view standing water in creek bed. Not able to pull samples because too deep & wide - not representative. Picture facing S at CS-E.

0845 Ken arrives at area. Agreement is made to wait one hour to see if water pumps down enough to sample.

0900 Back onsite trailer

0932 Left for CS-E to observe pumping

0945 Observed pumping from Edgar. Only 2-3" in last hour. Not good sampling protocol.

0950 Observed CS-F S of new culvert. Picture looking SW at creek

0956 At LF cell checked leachate pump pumping ≈ 24,000 gallons ~~[illegible]~~ in last 24 hrs. per Rich. (RAC)

1015 Off site

RC

12/18/01 Sunny 50°F

07:30 Had a call from Rich saying might sample CS-E depending on whether can pump down.

1130 On site - Met with Art & Maverick Rich from Golder wants to sample an extra point in CS-E.

230 off site

R Cuva

12/19/01 Overcast. Drizzle 40°F

0759 RAC onsite. Rich & Ken sampling GW wells.

0915 To CS-E to pull remaining samples. Picture facing N of sampling new. Picture of standing water w/ steam

1000 Back from CS-E sampling

1015 Pulling CS-E 7, 8, & 9. Picture of Crew facing W.

1040 Back from CS-E

1145 off site lunch

1330 Back on site.

1340 Drove to GW wells where Rich sampling

1350 Picture facing SW at CS-F excavation

1355 Off site

R Cuva

12/20/01 Sunny Cold 25°F

0750 RAC on site.
0815 Observed activities in cell.
0820 Picture looking NE from cell berm. Moving excavated sediments from CS-F.
0823 Spoke with Ken. Looking to sample rest of CS E this afternoon & possibly CS B if pumps down.
0843 At CS-F. still clearing stockpile from excavation last week. Added new access ramp to levy.
0845 off site
1230 RAC on site. CS E not ready for sampling. CS-B pumped - ready for sampling.
1245 Drove CS-B again to observe pumping. Drove to CSE17 area to observe pumping.
1315 At CS-F area - equipment being serviced.
1325 At moto-mart to observe GW well sampling. Rich & Jeff from Golder gone.
1300 At CS-B - started CSB14.
1350 Done with B14, 15, 16 - 17 sampled but not needed. B-6 better spot than B-7 due to water.
1420 Done with CSB sampling.
1535 Off site.

[signature]

12/21/01 Sunny Cold 30°F

0759 RAC on site
0815 Spoke with Rich & Erik. Going to use shelby sampler for CSE-17 & 18; possibly CSF-1 unless no water present in creek. Picture 1 & 2 of CS-E sampling.
0930 Done with sampling
0940 Back on site, sampling containers prepared.
1015 Completed sample containerization. Rich to burn a picture of shelby tube sampling from E-F. Camera memory full. Back on site 1/2/02
1030 off site

[signature]

1/2/02 Sunny Cold 20°F

0855 RAC on site. Spoke with Candy John - Ken out until tomorrow. Erik - Rich off site.

0930 Erik + Rich still off site. Work on sediment to resume tomorrow per Candy.

1003 Picture facing N from Judith of CS-B.

1005 off site

[signature]

1/3/02 Sunny Cold 16°F

0857 RAC on site. Met with John Fiore about schedule today.

0930 Spoke to Rich, CS-F being excavated near dogleg. Site walk began.

1003 Picture from cell 5E camp facing N.W.

1100 Picture of dogleg + dike

1105 Drove with Rich to end point of excavation

1107 Picture of sediment removal facing west

1110 Picture of creek bed facing north

John planning on 5-7 weeks (last week of February) to completion of excavation. Plan is to begin at current position downstream working upstream, while also working downstream from dogleg. CS-F ≈25%-35% complete, but with colder weather things slow down. Spoke to Rich about marking off sampling points & planning to pull samples as material removed.

1145 At office, John said starting E near dogleg tomorrow.

1200 off site

[signature]

1/4/02 Sunny 15°F

0859 PAC on site. John offsite. Erik & Rich onsite. Requested to speak with Erik about change in work plan to Frac tanks. No precipitation since before christmas. Also need to discuss sampling plan & data from December sampling events.

0927 Site walk.

0935 Picture of dog leg at CS-F facing N.

0937 Picture of CS-F from dog leg to box culvert. Sediment being mixed with gunny mix to stabilize moist material.

0950 Back at trailer. Spoke to John on cell phone - back by 1015 or so.

1010 Spoke to Erik. He & Rich are working on GPS for sampling points all day.

1045 John explained that Solutia still has data & validating results. Dog leg dam built with soil removed from hole dug near current work area at CS-F. No sediments used!

1110 off site

1/8/02 Sunny 50°F

1230 PAC onsite. Performing sampling in CS-F this afternoon. After speaking with John and Rich this morning (±1000) plans were made to do sampling event. John said nothing else substantial besides sediment removal has occurred - no problems or concerns.

1305 Drove to CS-F to observe excavation. No activity at main staging area. Crews not back from lunch yet.

1345 Picture of cell from S berm facing N
Picture of cell from SW ramp facing E
Picture of cell from SW ramp facing N

1350 Erik & Rich performing GPS on prior sampling points & will be sampling in CS-F by 1415 or 1430.

1359 Arrived CS-F, church parking lot.

1410 Erik & Rich done with GPS. Picking up vehicle & driving to sample points in CS-F.

1425 Begin sampling CS-F TS-1 (TLP)

1428 Picture of creek channel facing SW.
Picture of Rich sampling facing W.

1435 Done with F-5

1/8/02 (Cont.)

1445 CSF-T14-1 (TCLP) sample started. Channel is sandy material, interior site excavation firmer silty/clay (Black Brown).

1452 T14 done. Picture facing W at T14

1456 T15 Began sampling event. Material frozen. Taking time to sample creek bed. Dark Brown Sand. Rich & Erik drove stake through frozen top layer.

1502 Sampling T15 done. Picture facing SW at T15.

1520 Back at trailer. Rich & Erik pulling sample from cell 1/5000'.

1534 Rich preparing samples for shipment. Next round of sampling probably Thur/Fri. Intervals at 350'. As working in, CS-F-T13-1 & T6 next points.

1547 off site

1/10/02 Sunny 50°F

0945 RAC on site. Sandra Brown scheduled for 1030 on site.

1025 Rich explained that removal slowing in CS-F due to sloppy material from warm-up. Using more rock to stabilize

1030 Tom Bine on site to pick up equipment

1035 Sandra Brown called running late @ 1100.

1100 Picture of WWTS weatherization work. Constructed building to keep pump & lines heated. Picture of insulated module that is not insulated on inside like tire tanks.

1102 Sandra on site. Sandra has only one set of analytical results from WWTS - supposed to run every 2 days during start up? Check with Kevin & John. Sandra reviewed drawing of creek sampling.

1130 Drove around cell.

1145 At CS-F. Near staging. Photo of settled water.

1203 Sandra called John for water samples. Cindy will provide information.

1215 Drove to end of CS-F. Picture facing

1/10/02 (Cont.)

NE at end of upstream excavation. Long reach excavator clearing small channel slit to allow for drainage.

1225 At pump area. Water from CS-F being pumped into wetland area ≈ 1500 ft^2

Picture facing NE at pump station area.

Picture facing SE at excavation - stockpiled sediments

1240 Picture at wetland area where pumps - lines from creek discharge.

1250 off site

1/16/02 Cloudy 40°F

0755 RAC onsite. Met with John. No significant events in last two days. Met with Rich, sump area - F6-F7 points are ready for sampling.

0815 Picture facing NE at excavated creek

Picture facing SE downstream. Low current position

0817 Picture further downstream facing NE.

Picture facing downstream facing SE, looking at pump station.

0825 Minor accident at 157 & Rte 3. Truck was hit by woman driving 4-door chevy.

0835 Picture of cell stockpile facing N.

Picture of stockpile in cell facing W.

Picture from SW ramp facing E

Picture from SW ramp facing N.

0840 At WWTS. Rich explained winterization.

0930 Rich pulled 2 samples from CS F.

1020 At Seal of F. John operating S22 cleaning up area. Probably not pulling sample from this area today.

1020 Picture facing NE of creek

1/16/02 (cont.)

1027 Picture of pump area facing W.
John said additional clearing today.
Hauling stockpiled sediments & mixing
with limestone for stabilization.

1030 off site

1/18/02 Sunny 55°F

1315 RAC onsite. No operation today.
Drive to CS-F to observe work done
earlier in week since 1/16/02. Need to
speak with manager Monday about
placement of silt fences near S
and J Segment F.

1345 off site

1/21/02 Sunny 45°F

1245 On site. Maverick is out to lunch. Travelled to cell to observe work. Picture facing NW of LF cell. stockpiled material from CS-F.

1314 Picture from levy near S ramp of excavation location currently. Conditions very wet today. Difficult to drive & walk in work area.

1325 Picture from Sample Point CSF-TK-1 facing N. Picture from T11 facing S.

1331 Picture from T-9 facing N. Picture from T-9 facing S.

1355 Pictures starting from N to S. Panorama showing work area.

1350 Spoke to Erik and Richard about current excavation activities. Currently, removal is limited to area around T7-8 and T12-13. Rich pulled points T6, T7 and T13 last Friday due to pumping of upstream areas & possibility of precipitation & flooding of sample area. No problems encountered. Rich was able to walk across channel. T8 is available for sampling, but waiting until other points available. Not feasible

1/21/02

to send only one sample with other significant events include recent automation of leachate collection system. Rite to meet with Richard on 1/22/02 1/23 to discuss activities.

1430 Off site

R[illegible]

1/22/02 Sunny 40°F

0835 RAC onsite. Spoke to Erik with Maverick. Loading out trucks this morning with stabilized sediments from CS-F. Working in SW portion of cell face this morning.

0905 Observed unloading of sediments in cell. Picture of cell from SW ramp facing NE. Picture looking N from SW ramp.

0940 Drove along CS-B observed CS-B sump area at north part of segment. Drove along CS-B to observe liner & sediment disposition. Integrity of liner/geo membrane is intact.

1015 Observed CS-F sediment removal activity.

1030 Picture of CS-F channel facing S downstream. Picture of standing water upstream from dogleg. Water has discoloration.

1100 Drove length of levy to farthest point near pump station. Observed future work area.

1115 Drove back along western levy to

1/22/02 (cont.)

observe operation from west side.

1125 Area where water is being pumped is pooling.

1205 Off site lunch.

1237 Back on site. Replaced head lamp & wiper blades on EPA vehicle.

1300 Reviewed Dead Creek Support Sampling Plan.

1343 Rich & Erik performing GPS on GW sample points.

1410 Observed removal activities at CS-F. Stockpiles continue to be mixed w/ limestone & loaded out.

1515 off site.

1/23/02 Overcast 60°F

0830 On site. Erik not sampling yet. Called Sandra Brown. Out of office today. Left message.
WWTS averaging 300 gallons per day. Checked system to on detection and collection numbers. As of yesterday, 1/22 cell has taken 59,028 truck cubic yards. Estimated than volume is likely estimated at 50,000 cubic yards compacted. Survey probably done when CS-F excavation complete.
0945 Picture of cell from SW ramp facing NE. Picture of cell from SE ramp facing N.
1020 Erik back at trailer. Maverick and Calder to begin sampling three points in CS-F. T8, T9, & T12.
1050 T-8 sampling began. Picture of Erik & Rich pulling edge sample. Picture looking S. start.
1058 T-9 sampling began. Picture of sampling transect.
1103 T-12 sampling begun.
1115 Observed sampling containerization
1145 Off site

1/25/02 Sunny 30°F

0930 RAC onsite. Had call @ 0845 from Richard that last 2 sample points in CS-F are ready & they would like to pull them. Scheduled for 1000 on T10, T11. Erik & Rich in CS-B doing GPS work. Out at 0945.
1010 Mob to observe sampling at T10, T11. Too slick for GPS today.
1020 Start T10 sampling event. Picture of Erik sampling T10
1028 Start T11 sampling event. Picture of Rich sampling T11
1034 Done w/ sampling events.
Per Erik, Sandra was on site yesterday. She addressed stockpiling of material on bank of creek in CS-F. Brought up issue of having plastic down under stockpiles. On site ≈ 1200 tons.
Kevin on site to speak with John.
No trucks were hauling yesterday due to muddy material.
1200 off site.

1/28/02 Sunny 65°F

1145 RAC on site. With weather approaching Wed/Thurs. - it appears as if today and tomorrow will be the only work days. Won't get to pump station area until next week.

1305 Spoke with John about forwarding WWTS information to Kevin. Kevin is aware that modifications did not occur. John was going to remove sand filter & carbon unit, but because results came back elevated - maverick decided to keep system intact.

1415 Picture of well from SE ramp & area where stockpile was.
Picture of well from SE ramp facing west at CS-F stockpiled material

1530 Off site

R

2/1/02 Partly Cloudy 30°F

1100 RAC on site. No operation today. Returned to Golder office. Erik on site, but sick - only mechanics working. Received 2" rain so work in CS-F may be slow next week. moving stockpiles & pushing material in well.

1135 Picture from S entrance on berg of CS-F. Very muddy. Access limited.

1230 RAC off site

R

2/4/02 Sunny 25°F

0950 RAC onsite. Hauling sediment today. Estimated 20 loads to complete CS-F. Operation will transfer to the area around the pump station & possibly more south of end point at CS-F.

(RAC) ~~693 trucks so far → 52,285 truck yards~~

As of 1/29 61,305 truck yards.

1105 Left to Lefton Iron to meet Kevin Turner. As Dead Creek winds down - may need to spend less time at sight. At end of project, need to do letter report. For now do POLREP. Time?

1120 Off site @ Lefton

1125 At Dead Creek. Observed truck unloading in cell. Stockpiled material in SW section of cell being moved.

1140 Observed truck being loaded in CS-F.

1145 Picture of excavator clearing stockpiled sediment.

1150 Off site for lunch.

1215 Onsite. Talked to John about schedule. Area near pump station to be started today should finish tomorrow to sample. Liner scheduled for placement in CS-B being planned, but no firm date. Survey

2/4/02 (Cont.)

to be scheduled soon - within next two weeks.

1255 Observed brush hogging - clearing along levy. Equipment being moved to area around pump station

1330 Spoke to Rich about sampling tomorrow. He will contact me with timeframe

1400 Off site

[signature]

2/6/02

0730 Spoke with Rich @ Coolder, Maverick has an opportunity to go ahead on the sampling for area near pump station. I authorized pulling the sample without over sight. Rich will provide pictures.

1215 RAC on site. John explained that operations are winding down - just moving rip-rap in CS-F & demobilizing. I will be at site tomorrow, 2/7/02 for photos & to discuss briefly upcoming events.

1300 off site.

2/28/02 Sunny 35°F

1100 RAC onsite. 6 mil fabric being placed on cell. Maverick sewing entire length of seam. Should have about half of cell covered today - remainder tomorrow. Picture of cell from SE ramp facing NW. Picture of cell from SE ramp facing N. Picture of cell from W berm facing E. Picture of cell from NW corner of sump area; liner facing SE.

1200 off site

3/1/92 ~~Sunny~~ Partly Cloudy 45°F

1050 RAC on site. Wind has picked up substantially. Having problems laying down plastic liner over geomembrane.

Pictures of crew handling plastic.

1215 off site