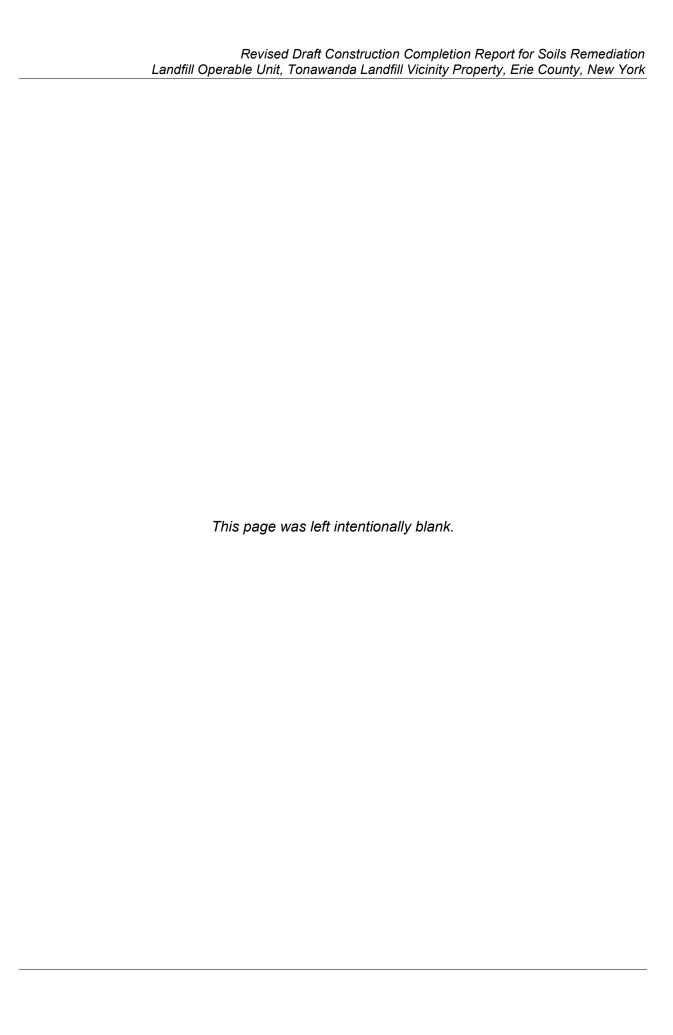
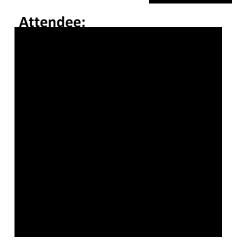


APPENDIX A

Weekly Meeting Minutes



Weekly Project Meeting Agenda June 4, 2019



Safety

- A. Initial safety indoctrination given to all crew currently on site.
- B. Safety paperwork is available electronically. Hardcopies will be maintained onsite.
- C. Miss Utility remains open for the Town of Tonawanda Sewer and Water and for National Fuel. DNT has obtained direct phone numbers for the utilities and will contact them to get the tickets closed.

2. Quality Control

- A. Daily reports slowly being populated in RMS. Document scanning capabilities are becoming available.
- B. USACE has requested emailed copy of the daily report supporting documents in addition to RMS uploads. Send copies to
- C. Preparatory inspections were held for DFOWs 1,2,3,4 and 5. Documentation will be uploaded to RMS.

- A. None.
- 4. Site Preparation
 - A. Clearing of the excavation areas and surrounding areas started last week. Additional clearing of the haul routes in the FUSRAP area started today and will continue throughout the week.
 - B. Equipment deliveries occurred last week and early this week.
 - C. Laydown areas to be prepared this week.
 - D. Topographic surveying is still required at the excavation areas. Areas were inaccessible, once cleared, topographic surveying will be performed.

- E. Temporary power at south area will be generator. Temporary power at the north area being sourced to be hard wired to grid.
- F. Temporary monitoring wells were abandoned last week. Casings nd tubing are staged within the excavation areas for disposal.

5. Air Monitoring

- A. Baseline air monitoring performed Friday and Monday and continue today. At the end of the day the required three days will be complete.
- B. Real time dust monitors to be setup this week.

6. IMCs

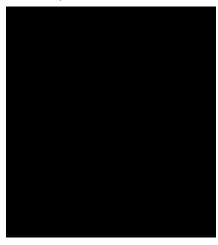
- A. 70 IMCs are at the Blasdell ready for delivery. A total of 105 IMCs are currently dedicated.
- B. Mark Bagel is the Waste Manger and will be the single point of contact for ordering and releasing IMCS. Communications will be via email to Mark Legeza and Lisa Berta.
- C. Manifest/bill of landen are still being worked on my USACE/ERS. Expect them to be ready the end of the week or early next week.
- D. USACE is awaiting Michigan approval of the waste profile. That approval is expected later this week.
- E. There are some discussions between ERS and USACE regarding liners. No action at this time is needed. Plexus's understanding is that liners are not a current requirement.
- 7. Excavation Areas Summary (A through H)
 - A. No activities
- 8. Upcoming Week's Activities
 - A. Install erosion controls.
 - B. Clearing of excavation areas and haul routes.
 - C. Complete gamma walkover in FUSRAP area.
 - D. Additional civil survey of FUSRAP area.
 - E. Grade storage area B to receive IMCs.
 - F. Install gravel on capped portion of landfill.
 - G. Frac tanks are scheduled for delivery tomorrow. Frac tank area will be prepared today.
 - H. Still shooting for excavation efforts to start Monday June 10.

9. Other Items/Open Discussion

- A. The turn onto the capped landfill at the top of the active landfill has dirt that can be moved/leveled.
- B. Water truck and roll-off truck will have CBs to communicate with EnSol.
- C. Area adjacent to EnSol's trailer, where the trucks stop to drop off tickets with EnSol may be too narrow to allow roll-off truck to pass.
- D. Excavation area H is the likely starting location of the excavations.

Weekly Project Meeting Minutes June 11, 2019

Invitees/Attendee:



1. Safety

- A. Initial safety indoctrinations continue.
- B. Resume and Safety Certifications for Shane Derden submitted

2. Quality Control

- A. Daily reports through 6/7/19 submitted via RMS and sent by email.
- B. Preparatory inspections were held for DFOWs 3, 6, 7, 8, and 9. Documentation will be uploaded to RMS.
- C. Initial Inspections are typically scheduled for on-site and are a review of the Preparatory meeting minutes and an inspection of the work.

- A. None.
- 4. Site Preparation
 - A. Gamma walkover completed.
 - B. Topographic survey of excavation areas completed. Drawings are pending.
 - C. Independent utility locating completed Monday.
 - D. Vegetation has been cut down at all excavation areas. Vegetation cleared and grubbed as needed along the haul road routes. Stabilization of haul road up to excavation area A/B completed.
 - E. Storage Area B erosion controls and stabilization completed.
 - F. Second office trailer delivered and screened. Northern laydown area still under preparation.

- G. Placing hard piping for water discharge around western toe of landfill.
- H. Activities remaining:
 - 4.H.1. Northern office trailer to be placed 6/11/19.
 - 4.H.2. Erosion controls in FUSRAP area to be installed 6/11/19.
 - 4.H.3. Provide temporary power to northern and southern trailers.
 - 4.H.4. Truck scales to be placed 6/11/19

5. Air Monitoring

- A. Baseline air monitoring completed. Results submitted via RMS. USACE requested they also be sent by email.
- B. Real time dust monitors checked and verified operational.
- C. On Dust Trak meter was non-operational today. A replacement will arrive by 10:30am tomorrow.

6. IMCs

- A. 19 IMCs on site as of COB 6/10/19.
- B. IMCs are being inspected upon arrival.
- C. Two IMCs returned 6/10/19 due to presence of debris and excessive water.
- D. ISOCS and operator arrived Monday 6/10/19.
- E. One additional IMC was identified today for return to ERS due to the presence of debris inside. Three IMCs are due today for a total of 21 to be on site by the end of the day.
- F. A reminder that there are currently 105 OMC dedicated to the project with 70 in Buffalo. The remaining 35 have not yet been shipped and advanced notice will be needed.
- 7. Excavation Areas Summary (A through H)
 - A. No activities
- 8. Upcoming Week's Activities
 - A. Install erosion controls in FUSRAP area.
 - B. Test hard piping for water discharge.
 - C. Being excavation of FUSRAP waste at excavation area A
 - D. Handle liquids if present.
 - E. A selection of empty IMCs will be weighted today to establish empty weights.
- 9. Other Items/Open Discussion
 - A. USACE still awaiting Michigan approval of waste.
 - B. Liquisorb 200 shipped last week and is in transit.
 - C. NYSDEC Albany will be on site next Tuesday. Local office will likely also attend.
 - D. July 4th week will end mid-day July 3 with crews returning Sunday July 7.
 - E. The back gate needs to be secured with keys provided to EnSol and the Town.
 - F. Plexus is ready to meet with the police/paramedic from the Town anytime.
 - G. Excavation inspection forms need to be completed each day.

Weekly Project Meeting Minutes June 18, 2019

Attendee:



1. Safety

- A. "Stop" and "Slow" signs have been installed at the top and bottom of the road to the northern trailer.
- B. Due to water in the excavation, the Excavation Competent Person () has been reviewing the conditions prior to entry.
- C. Additional PPE (e.g., waders, waterproof Tyvek or rain suits) have been determined to be necessary to protect workers from saturation.
- D. 4 gas monitoring in being performed before entering excavation.
- E. Checking weather forecast to plan for potential weather issues.
- F. No one should be with 2-3 feet of the excavation area. No one should be entering berm area until dewatered.

2. Quality Control

- A. Daily reports through 6/12/19 submitted via RMS.
 - 2.A.1. Last week's done by Wednesday evening. Caught up by weekend.
- B. Initial Inspections scheduled have not occurred and will be rescheduled.
- C. Initial Inspections have been rescheduled for today 1pm.
- D. Manifesting for out going IMCs has been settled. USACE is receiving the needed information to sign manifest and release IMCs.

- A. USACE directed Plexus to stop digging and address water in Excavation A as a priority.
- B. Water samples collected, additional frac tanks being sought.
- C. Water height is about 2-3 feet above edge of excavation which is a surprise.

- D. Portable water dam being brought in. Excavation may need to be pumped out to install the dam.
- E. Analytical data collected, required before discharge.
- F. Any water that has migrated to ditch line 30-40 feet away, needs to be assessed to determine if water has impacted those areas.
- G. Any concern the water can get to the back yards of the residents? No, a drainage ditch separates the area from the neighbors.
- H. Quantity of water in storage is likely 80,000 gallons, this is a surprising amount of water.
- I. Water in excavation A exceeds the top of the excavation rim. A berm has been installed to prevent the water from entering the drainage ditch.
- J. Stone/gravel was encountered in excavation but no waste.

4. Site Preparation

- A. Gamma walkover completed under third frac tank location prior to placing the tank.
- B. Northern laydown area has been completed and the second office trailer and sanitary facilities have been placed.
- C. Hard piping for water discharge around western toe of landfill was tested. A small leak was identified and fixed.
- D. Truck scales were installed. Scales were giving incorrect readings and were fixed on Thursday.
- E. Outstanding items
 - 4.E.1. Provide temporary power to northern and southern trailers.

5. Air Monitoring

- A. Real time dust monitors checked and verified operational each day before excavation activities.
- B. Weekly Air Monitoring Report under development. Will be submitted no later than Thursday.
- C. Need to reach on consensus on when perimeter air monitors can be relocated. Currently perimeter air monitors run only during remedial activities (e.g. not overnight, and not over the weekend). Once the excavation set (ABC, DEFG, H) reach clean margins via scanning and remedial activities are stopped, the monitors should be permitted to be relocated to the next set of active excavations.

6. IMCs

- A. 21 total IMCs on site
- B. 4 filled and ready for shipment
- C. 4 replacement IMCs are schedule to come in when the filled ones are removed.

7. Water Management

- A. Two Frac tanks of treated water were sampled 6/17 for Priority Pollutants and radiochemistry. Samples were shipped to the lab 6/17.
- B. Additional storage space for additional frac tanks is being sought.

- 8. Excavation Areas Summary (A through H)
 - A. Area A:
 - 8.A.1. Excavated to the limits to a depth of 4 feet
 - 8.A.2. Two DU screening and sampling have been completed.
 - 8.A.3. Samples were shipped. There is a 3-day TAT on the analysis, however, that excludes shipping and day 0 is the day the samples arrive. Therefore, results are anticipated late Friday at the earliest, Monday more likely.
 - 8.A.4. Civil survey of excavation limits still needs to be performed to verify the limits have been reached.
 - B. Plexus has received chemical results for backfill set aside by EnSol. Results indicate that all the soil is below Commercial/Industrial limits. One VOC grab exceeds protection of groundwater limits. That area will be excluded from use. Radiological & geotechnical samples are being shipped today.
- 9. Upcoming Week's Activities
 - A. Management of water at excavation Area A
 - B. Ship filled IMCs
 - C. Excavate in excavation area B to saturated soil.
- 10. Other Items/Open Discussion
 - A. USACE personnel need to notify prior to arriving. Site-specific in-briefing must be provided prior to going to work area. Also, site-specific PPE is required for all personnel. Please provide advanced notice to and make sure there is on site USACE staff to support the requirements.
 - B.) visiting next week.
 - C. visiting today around 12:30.

Weekly Project Meeting Minutes June 25, 2019

Attendee:



Safety

- A. There is water in the excavations. Orange fencing has been secured around the perimeter and life rings and ropes have been mounted.
- B. IMC weights need to be kept below 18 tons as this presents a potential hazard when lifting the boxes and transporting them up the hill onto the cap.
- C. Respiratory protection is required for the application of Liquidzorb, and no one is permitted to be down wind during application.
- D. Excavation safety including required ingress/egress points are in place before personnel enter the excavation.
- E. "Restricted Access" signs have been added to the approaches to the excavation areas.
- F. New "Stop" signs have arrived and will be posted today.
- G. USACE asked what is the extent of the retrieval?
 - 1.G.1. Life rings are added for when excavations are full of water.
- H. USACE asked who is monitoring the excavation for cave ins?
 - 1.H.1. The Competent Person and the SSHO are on site and making the judgement that the excavations are safe to enter and are observing personnel in the excavation at all times.
- I. A crane mat was placed on the excavation floor for stability since the bottom is muddy. This has worked well.
- J. USACE provided a description of the excavation entry process. Excavations are full of water in the morning. They are pumped out to have little to no water. Filled 2 frac tanks each day when pumping it (excavation A) down. Excavations are pumped as dry

as possible. It takes several hours to pump down. Crane mats make stable bottom. 3-5 people are watching during entry.

- 1.J.1.USACE asks do you (Bryan Miner) feel comfortable with safety? Yes. The larger excavations may need more entry and egress points. Competent Person is on site and at the excavation.
- K. A USACE safety person will be coming to the site today.

2. Quality Control

- A. Daily reports through 6/12/19 submitted via RMS. All paper work is onsite, the upload to RMS appears to be the bottle neck with technology issues getting all the paperwork scanned. This is an issue that we continue to focus on.
- B. Initial Inspections for DFOW 1 through 6 completed last week. Deficiencies identified are being tracked in log and being corrected.
- C. IMCs are being monitored for free liquids. Liquidzorb is being added when needed. Waste Manager (are to inspect each IMC before closure at the CRZ to ensure there are no free liquids.
- D. DNT used the excavator to mix liquidzorb within the most recent IMC, and that worked well. There may still be an issue with the weight of can, material is so loose that it slides to back of can. Ideally, need to keep IMC weight under 17 tons.

3. Significant Issues

- A. Water management continues to be a significant issue to productivity. A total of 7 frac tanks (1 weir, 6 treated water holding tanks) are currently on site. All 6 storage tanks are full and have been sampled.
- B. There is no more space at the current location to stage more tanks. Operationally, 2 tanks are filled per day, which means 10+ tanks are needed, along with flawless analysis, data review and same day approval and discharge to keep ongoing operations.
- C. Pumping of excavation Area A did not reduce water levels in Area B. Therefore, at least at 2 feet in depth, the two excavations do not appear to be hydraulically connected.
- D. USACE asked do you have samples for all treated frac tanks? Yes, all 6 treated tanks have been sampled. Last two tanks sampled last night.
- E. USACE asked do you have excavation water samples? No.
- F. There may be possible room for one more tank in the vicinity of the current tanks, but this requires coordination with EnSol and may require the emptying and relocating of several tanks.

4. Site Preparation

- A. Temporary power connection to generator at southern trailer occurring today.
- B. Temporary power connection to northern trailer beginning this week. Final connection is driven by National Grid schedule.
- C. Garbage totes are arriving today. General trash needs to be taken care of appropriately.

5. Air Monitoring

- A. Weekly Air Monitoring Report for June 10-14 still under development. Will be submitted no later than Thursday 6/27. Report for June 17-21will be submitted prior to Thursday 6/27.
- B. Need to arrive on consensus on when perimeter air monitors can be relocated. Currently perimeter air monitors run only during remedial activities (e.g. not overnight,

and not over the weekend). Once the excavation set (ABC, DEFG, H) reach clean margins via scanning and remedial activities are stopped, the monitors should be permitted to be relocated to the next set of active excavations. A discussion will be held on site with when ready to move to the next excavation.

6. IMCs

- A. 21 total IMCs on site.
- B. Total of 7 filled.
- C. Total of 6 shipped.
- D. Recent smear results may indicate one IMC is above allowable limits. A discussion occurred that indicated the smears are not above allowable limits due to several factors. It was agreed that Plexus would issue an email on the subject and revise the data sheet to avoid misinterpretation of the results in the future.

7. Water Management

- A. There are 7 tanks on site.; 1 weir tank, 6 treated water storage tanks. All 6 treated water frac tanks are full. Since the last meeting, 2 were sampled Friday and 2 sampled Monday (yesterday).
- B. Results have not been received yet for the first tanks sampled.
- 8. Excavation Areas Summary (A through H)
 - A. Area A:
 - 8.A.1. Excavated to the limits to a depth of 5 feet and sloped.
 - 8.A.2. Three Decision Units were screened, and sampling has been completed on all three units.
 - 8.A.3. Screening values ranged to approx. 12,000cpm. No over excavation recommended. Toward the bottom of the excavation, about the last foot, readings increased to about 18,000. A collimator was added, and the levels were lower. It is expected higher levels will be detected with depth.
 - 8.A.4. Analytical result for the first two DU were received late last night and are under review. The results appear to indicate that both units are below clean up goals.
 - 8.A.5. Civil survey still needs to be done to document the limits of the excavation.

 Once the lab results indicate that the cleanup goals have been achieved, the civil survey will be performed.
 - B. Area B:
 - 8.B.1. About ¼ is excavated to approximately 2 feet bgs.
 - 8.B.2. There is standing water in Excavation B approximately 3 inches from top.
 - 8.B.3. A berm will be installed pre-emptively before additional excavation is performed to account for water levels exceeding the rim of the excavation.
 - C. Area C:
 - 8.C.1. A berm will also be constructed at excavation C.
- 9. Upcoming Week's Activities
 - A. Release treated water (pending approval).
 - B. Construct berm around Area C.
 - C. Excavate in excavation Area B to full depth when water storage capacity becomes available.
- 10. Other Items/Open Discussion

Weekly Project Meeting Minutes
July 2. 2019



Safety

- A. There is water in the excavations. Orange fencing has been secured around the perimeter and life rings and ropes have been mounted.
- B. IMC weights need to be kept below 18 tons as this presents a potential hazard when lifting the boxes and transporting them up the hill onto the cap.
- C. Respiratory protection is required for the application of Liquizorb, and no one is permitted to be down wind during application. DNT looking into using Calciment as an alternative to Liquizorb, USACE and Plexus have successfully used Calciment on other projects.
- D. USACE indicated that the landfill would have an increased amount of truck traffic today, and that EnSol would be stockpilling soil in a different location near the access ramp.

2. Quality Control

- A. Daily reports through 6/18/19 submitted via RMS. The DQCRs would have been submitted through 6/28/19 but RMS was down all weekend through Monday, July 1. Plexus continues to focus on process improvements to ensure timely submittal of DQCRs.
- B. Initial Inspections for DFOW 1 through 6 completed last week. Deficiencies identified are being tracked in log and being corrected. Initial inspections for DFOW 7 thru 10 to be completed the week of July 8 when return.
- C. IMCs are being monitored for free liquids. Liquidzorb is being added when needed. USACE indicated that IMC back lids need to be tight before use to ensure a competent seal.

- A. Water management continues to be a significant issue to productivity. A total of 7 frac tanks (1 weir, 6 treated water holding tanks) are currently on site. On July 1, the Town approved release of all 6 frac tanks to the sanitary sewer. The discharge rate to the sewer is only limited by the 8" stub line that connects the manhole to the 44" main line south of the site.
- B. Water is being pumped from Area B today to complete the excavation and sampling in that Area. Excavation Area A and Area B are hydraulically connected, dewatering Area B resulted in a measurable reduction of the water level of Area A by several feet.
- C. Bryan Miner indicated that the USACE as well Plexus will continue engaging with the Town to try and minimize the testing requirements for the discharge of water to the Town's treatment plant.

4. Site Preparation

- A. Temporary power connection to generator at southern trailer occurred last week.
- B. Temporary power connection to northern trailer ongoing today. Final connection is driven by National Grid schedule.
- C. Bryan Miner had brought up the rutting of the road leading to the back gate as a result Plexus/DNT has added some stone and have back bladed the road to get rid of the ruts.

5. Air Monitoring

- A. Weekly Air Monitoring Report through June 21 has been submitted. June 28 report schedule for submittal late this week/early next week. USACE indicates they have not received June 21 report but have received the June 14 report twice, probably in error.

 offered to send June 21 report. Please ensure is copied on Air Monitoring reports.
- B. Need to arrive on consensus on when perimeter air monitors can be relocated. Currently perimeter air monitors run only during remedial activities (e.g. not overnight, and not over the weekend). Once the excavation set (ABC, DEFG, H) reach clean margins via scanning and remedial activities are stopped, the monitors should be permitted to be relocated to the next set of active excavations. Still being evaluated and will be discussed between the USACE and Plexus soon.

6. IMCs

- A. 17 total IMCs on site.
- B. Total of 11 filled.
- C. One filled IMC awaiting arrival of John Teague with DNT to move back to the excavation area for evaluation/reconfiguration.
- D. Total of 10 shipped.

7. Water Management

A. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks. All 6 were emptied yesterday. Water from the weir was treated yesterday and the frac tank samples will be collected when a treated frac tank is full.

8. Excavation Areas Summary (A through H)

- A. Area A:
 - 8.A.1. Excavated to the limits to a depth of 5 feet and sloped.

- 8.A.2. Three DU screening and sampling has been completed.
- 8.A.3. Screening values ranged to approx. 12,000 cpm in the upper part of the excavation; however, increase to 18,000 cpm towards the bottom of the excavation. No over excavation recommended but waiting for sample results for 4-5 for DU-1 and 2, and all samples for DU-3.

B. Area B:

- 8.B.1. About 35% is excavated to approximately 2 to 4 feet bgs.
- 8.B.2. Plan to complete all excavation in B and sampling and surveying today.

9. Upcoming Week's Activities

- A. Pending final confirmation results in A, dewater A and perform topographic survey of A in preparation for backfilling.
- B. Work will stop this week at noon tomorrow Wednesday July 3, 2019.

10. Other Items/Open Discussion

- A. Backfill: Proposed soil backfill has been tested for both radionuclide and geotechnical parameters. Radionuclide parameters have been received and will be sent to USACE for evaluation. Geotechnical data has not been received yet. Mark Bagel has also provided information about gravel that Plexus/DNT proposes to use at the bottom 2 ft of the excavation and requested a waiver for testing of the gravel. USACE indicates they understand the reasoning for using stone, but they need to evaluate all this information. They requested that a complete package and short plan be provided on how and where each material is going to be used, which would be a variance from the original plan.
- B. USACE has received our request to run pumps beyond 4pm which they have tentatively agreed to; however, heavy equipment need to be turned off by 4pm.
- C. Civil Survey: Planning on performing civil survey of excavation B today if excavation is completed and excavation A tomorrow. USACE emphasized that this information needs to be submitted and approved prior to start of backfill.

Weekly Project Meeting Minutes
July 9, 2019



1. Safety

- A. On July 5 the main gate (South gate) was found open with the chain cut. Security reported the issue when observed at 10:40pm. Gate was closed and relocked. No other tampering was observed.
- B. There continues to be water in the excavations. Additional "Restricted Access" signs were posted at the excavation areas and repositioned now that Area C is being worked.
- C. Will increase awareness on securing the site before departure due to tampering at the south gate.

2. Quality Control

A. Daily reports through 6/26/19 submitted via RMS. Plexus continues to focus on process improvements to ensure timely submittal of DQCRs.

- A. Excessive water continues to be a significant issue to productivity.
- B. Plexus is pursuing relief on the discharge sampling requirements with the POTW and is investigating the possibility of an additional NPDES permit to discharge dewatering water after treatment to the surface. USACE is in support of this and obtained permits at Luckey and another site in the past.
- C. As a CERCLA clean-up we do not need to obtain the permit, just need to meet substantive requirements. Will need to identify the sampling requirements (e.g. Biological oxygen demand) and need to comply with any sampling frequency.

D. USACE will contact New York State to initiate the notification process and solicitate any NYS-specific requirements.

4. Site Preparation

- A. Temporary power connection to northern trailer ongoing today. Final connection is driven by National Grid schedule. Inspection is to occur within 5 business days which is Wednesday July 10.
- B. Inspector was on site yesterday, electric to be turned on 3-5 days.

5. Air Monitoring

A. Weekly Air Monitoring Report through June 28 has been submitted. July 5 report schedule for submittal late this week. Need to modify to remove red circle.

6. IMCs

- A. 21 total IMCs on site.
- B. Total of 13 filled.
- C. Total of 10 shipped.
- D. 12 as of today.
- E. 3 empty IMCs were delivered today.

7. Water Management

- A. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks.
- B. Three tanks were filled end of week 7/5.
- C. Analytical results from these three are anticipated 7/9 COB.

8. Excavation Areas Summary (A through H)

A. Area A:

- 8.A.1. Excavated to the limits to a depth of 5 feet and sloped.
- 8.A.2. Three DU screening and sampling has been completed.
- 8.A.3. No over excavation recommended for sample results for 4-5 for DU-1 and 2, and all samples for DU-3.
- 8.A.4. All DUs are below clean up goals.
- 8.A.5. Needs surveying.

B. Area B:

- 8.B.1. Three DUs.
 - 8.B.1.1. DU 1: excavated and sampled to 5 feet.
 - 8.B.1.2. DU 2: Excavated and sampled to 4 feet.
 - 8.B.1.3. DU 3: not sampled.
- 8.B.2. Completed excavation and surveying today.

9. Upcoming Week's Activities

- A. Complete Excavation of Area B.
- B. Perform topo survey of Area A (must be dewatered to accomplish) and B.
- C. Begin excavation of Area C.
- D. Release water (pending receipt of acceptable analytical results).
- E. Return IMC ERRU000245 to excavation area, open and address free liquids.

10. Other Items/Open Discussion

- A. Backfill: Geotechnical data sent to USACE last week. A complete package and short plan will be provided on how and where each material (e.g., stone vs soil) is going to be used, which would be a variance from the original plan.
- B. Backfill analysis of gravel/stone: USACE will require full suite per specifications. Plexus intends to analyze for all methods required but will seek exemption if allowed by the state or analytical method cannot be run. Also, if there is existing data such as mineral content from quarry, that will also be provided. USACE indicated that the stone used for temporary haul roads can be used, but the Plexus needs to come up with a plan on radiation testing to document that it is not impacted. Plexus also needs to talk to the Town to make sure they are OK with placing 2 feet of stone in the excavations. USACE was concerned about radon moving through the stone and would like 4-5 feet of material placed on top of whatever stone is placed.
- C. Air monitoring are to be in operation during backfilling operations.
- D. Discussion on a "backfill package" occurred. USACE requested information on when Plexus was going to submit the "backfill package". USACE requested that the package contain a request to backfill, and include the scan readings, a map of the individual aliquots used to make up each decision unit layer sample, initial civil survey, post-excavation civil survey, all analytical results for the decision units, among other requirements. Plexus requested that USACE provide a definitive list of what is to be included in the package because there wasn't a obvious list within the scope of work. USACE agreed that they would provide a list.

Weekly Project Meeting Minutes
July 16, 2019



1. Safety

- A. The July 5 the main gate (South gate) lock cutting was done by National Grid. Apparently, they were locked in after the last person left the site.
- B. Near miss on July 16: Truck not properly aligned with IMC caused IMC to become unaligned with the rail and damaged the skid plate over one of the hydraulic pistons for the rails. A replacement skid plate has been ordered. The operator was counselled to ensure proper alignment of the truck and IMC before loading.

2. Quality Control

A. Daily reports through 6/26/19 submitted via RMS. Plexus continues to focus on process improvements to ensure timely submittal of DQCRs. Daily photo logs will no longer be included in the DQCRs as they are not a requirement. Periodic progress photos will continue to be taken and include in the DQCR.

- A. The Town has granted some relief in the form of no longer requiring dissolved and total radionuclide analysis, only total is required. The town still would like to make discharge decisions on an excavation-by-excavation basis.
- B. Plexus is pursuing a surface water discharge. Received the mail from NYSDEC via Jeff Rowley regarding compliance with the DOE RAM limits. A review of all results indicates that all radionuclides tested are below the DOE RAM limits. NYSDEC will be contacted for additional information on discharge requirements.

C. All excavation water is being containerized in frac tanks and treated.

4. Site Preparation

A. National Grid tie-in remains incomplete (apparently, they cannot find the site). Multiple cell phone numbers have been provided to National Grid to call to assist in finding the site.

5. Air Monitoring

- A. July 5 report schedule for submittal late this week.
- B. Last week's report is due tomorrow.

6. IMCs

- A. 20 total IMCs on site.
- B. Total of 41 filled.
- C. Total of 35 shipped.
- D. Two IMCs were rejected yesterday, one the lid could not open due to a damaged tiedown that could not be released, the other had a visible hole in the side. Both were removed from the site yesterday.

7. Water Management

- A. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks.
- B. Three tanks were filled end of week 712. Three tanks were released after Town of Tonawanda POTW approval.
- C. Analytical results for the three currently full tanks were anticipated 7/12 COB but were not received. The results were received Monday and provided to the USACE and the Town POTW. The Town POTW reviewed the data and allowed the release to the sanitary sewer.
- D. Frac tanks are currently being filled from excavation area D.

8. Excavation Areas Summary (A through H)

- A. IMC ERRU000245 was returned to the excavation area. Approximately 50 gallons of free liquids were observed within the IMC. The seams of the lid were broken (past damage covered over with caulk) and is suspected to be the source of the free liquids. Some material was removed from the IMC and additional Liquizorb was added. The IMC was re-sealed, scanned, and returned to the IMC storage area and ahs since been removed from the site.
- B. Area A:
 - 8.B.1. Complete, needs surveying.
- C. Area B:
 - 8.C.1. Completed excavation and surveying. Analytical results will be sent to USACE.
- D. Area C:
 - 8.D.1. Completed and surveyed. Analytical results will be sent to USACE.
- E. Area D:
 - 8.E.1. Began preparations for excavation. Installed additional silt fence, installed berm.
 - 8.E.2. Excavation began today. An estimated 9 IMCs will be filled today and one DU will be sampled.
- 9. Upcoming Week's Activities

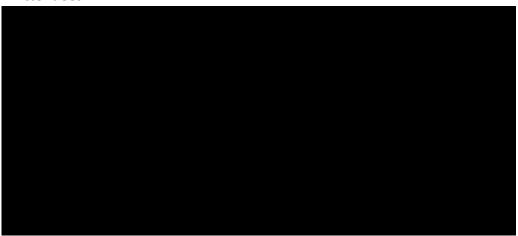
- A. Excavate Area D
- B. Release water (pending receipt of acceptable analytical results).
- C. Plan for weather related tropical storm remnants (expected Wed/Thur).
- D. Site visit Thursday 1pm with Town Supervisor, District Commander, and possibly Mayor of Tonawanda. Eight to nine visitors are anticipated. They will be forewarned about ticks.

10. Other Items/Open Discussion

- A. Status of backfill package requirements.
- B. Screening value used to determine continued excavation vs confirmation sample collection. The Work Plan calls for over excavation if collimated scan readings exceed 1.5-2 times background (measured during mobilization to be 8,500cpm). Excavation area D had readings of 50,000-60,000 cpm from a layer of material that was distinctly different than that encountered before. USACE indicated verbally that 2 time 8,500 cpm was not the correct value to use and the material may not be FUSRAP material. A discussion occurred about alternative screening levels and the possible presence of non-FUSRAP material with elevated activity. USACE suggested that the discussion be shelved until USACE discussed internally.

Weekly Project Meeting Minutes July 23, 2019

Attendees:



1. Safety

- A. On 7/18/19 as the excavator was moving from Excavation Area D to Excavation Area E the ground under the excavator gave way and the back end of the excavator sank into the ground. At this angle the excavator was unable to swivel and self-recover. The unit was safety extracted from the excavation using the loader and dozer. The equipment suffered minor damage to the engine compartment door and some engine oil (<1.5 gallons) was released from the unit into the open excavation. The oil was contained using a spill kit oil sorbent boom. The equipment was scanned for activity and decontaminated where needed. Hertz inspected the decontaminated equipment and deemed it OK to return to service the same day.
- B. Safety stand down was held the day of the incident. USACE wasn't contacted due to visitors. Another stand down can be held with USACE in attendance. USACE requested second stand down. Excavations D and E are both unstable with ash so USACE would like to make sure there is a plan on how to avoid sinking into the material again. Plexus is working in those areas after lunch today, so USACE will come down after lunch for briefing.
- C. Near miss last week where employee was starting to loosen the lid of an IMC before the forks had been fully removed. IMC shook. Employee was instructed to wait until the IMC is fully off loaded before approaching.

2. Quality Control

A. Daily reports through 7/21/19 submitted via RMS.

B. RMS has been having difficulties at the site since mobilization. Those difficulties have been extreme late last week, over the weekend and this week. We're going to start using paper daily reports in order to get caught up and will continue to use paper copies until RMS is functional on site.

3. Significant Issues

- A. Infiltration of groundwater remains a significant issue. The larger excavations require greater available storage capacity to excavate.
- B. Still awaiting soil data from USACE to provide to the Town POTW for possible relief on the sanitary sewer discharge permit requirements.
- C. Received additional information from NYS regarding surface water discharge requirements. Compared detected values to the limits and all but magnesium are below surface discharge limits. Magnesium has been detected on site at levels both greater and lower and magnesium is also reported to be in groundwater at elevated levels too.
 - Next step is to notify NYSDEC that we don't have any known or suspected site related contaminants other than radionuclides (assuming magnesium is not site related). We will then need to work with on the requirements of monitoring of radionuclides.
- D. IMCs talked to KC District. Need to wait until IMCs return (e.g., additional IMCs will not added to the contract, the 105 currently dedicated are all that will be available).
- E. Landfill says they can turn IMCs in a day. A total of 5 rail cars (35 IMCs) should arrive at the landfill by the end of this week and more next week. Return trip should be faster back. An anticipated return date should be available once IMCs are reloaded onto rail cars.
- F. Another cable snapped on the Price IMC truck (semi-tractor) picking up IMCs. The cable was the second pull cable that slides the IMC from the back position to the front position. It is suspected to be due to site conditions at the staging area being too soft. This is the second time a cable snapped in the same area. Seems like lots of IMCs moving in and out and area not being re-dressed. The area in question is on the right side of the storage area closest to the trailer. This area was not reinforced as much as the left side. The under lying soils is unstable after a rain event which causes the truck wheels to sink into the gravel.

4. Site Preparation

A. National Grid tie-in remains incomplete. New info indicates that have not started the design work. Connection date is unknown. Might add a new generator for power.

5. Air Monitoring

- A. July 5 and 12 reports have been submit last week.
- B. Last week's report to be submitted later this week.

6. IMCs

- A. 21 total IMCs on site.
- B. Total of 69 filled.
- C. Total of 61 shipped off site.
- D. 7 shipped Monday and another 7 today.

E. There are 25 usable empty IMCs effective COB Monday 7/22. There are three additional IMCs that could be repaired for use and one IMC that appears too damaged to be repaired.

7. Water Management

- A. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks.
- B. Two tanks were filled and sampled 7/15. Four tanks were filled and sampled 7/18.
- C. Analytical results for all currently full tanks (6) were received Monday 7/22. Data was transmitted to USACE and POTW. POTW agreed to release the water to the sanitary sewer.
- D. May have 3 full frac tanks by end of day.
- 8. Excavation Areas Summary (A through H)
 - A. Area A:
 - 8.A.1. Complete, needs surveying.
 - B. Area B:
 - 8.B.1. Completed excavation and surveying. Analytical results submitted to USACE.
 - C. Area C:
 - 8.C.1. Completed and surveyed, Analytical results submitted to USACE.
 - D. Area D:
 - 8.D.1. Excavation started on 7/15. Three DUs excavated and sampled.
 - 8.D.2. Significant scan reading on the eastern side wall of the southern lobe.
 - 8.D.3. USACE wants validated data before a decision can be made.
 - 8.D.4. USACE indicates that using 186KeV is not appropriate should be using Bi-214 and there could be interference from U-238 (U-235?).
 - 8.D.5. Plexus needs to get with lab to have conversation about this potential issue.
 - E. Area E:
 - 8.E.1. Started excavation on Friday.
 - 8.E.2. Excavated 4 IMCs.
 - 8.E.3. Will be excavating this week
 - F. Area F:
 - 8.F.1. Began construction of surface water diversion berm/containment berm.
 - 8.F.2. Should complete Monday. Sample to be collected today.
 - 8.F.3. Civil survey done Monday.
 - G. Area G:
 - 8.G.1. Started setting up surface water diversion berm/containment berm.
- 9. Upcoming Week's Activities
 - A. Excavate Area F and continue Area E pending available water storage.
 - B. Release water, refill, collect additional water samples.
- 10. Other Items/Open Discussion
 - A. USACE confirmed that we are to continue to follow the work plan for scanning and additional excavation.

- B. When working in excavation D and E, want close observation. With ash, the soils can become liquified. USACE wants to know the method of excavation process to make sure the ash is accounted for. USACE wants to meet before the work begins so there is a plan of attack.
- C. Commander and Town Supervisor very pleased with what they saw during site visit last week.

Weekly Project Meeting Minutes July 30, 2019



Safety

- A. No safety issues.
- B. Held second safety stand down requested by USACE for excavator sinking.
- C. Additional curbing/berm was added to Excavation Area C and F.

2. Quality Control

- A. Daily reports through 7/8/19 submitted via RMS.
- B. Paper copies to be provided moving forward, will work on getting caught up while additional IMCs are mobilized to the railyard.

- A. Infiltration of groundwater remains a significant issue. The larger excavations require greater available storage capacity to excavate.
- B. Soil data was provided to the Town POTW for possible relief on the sanitary sewer discharge permit requirements. The Town verbally indicated that their consultant did not believe that there would be any more relief.
- C. USACE has indicated that they have discussed surface water discharge with the State and that Plexus can contact the state about discharging treated water to the surface. Plexus in talks with the State (Tom Papura) regarding discharge to surface water. The project team's current understanding of the State's requirements are as follows: excavation water to be collected in the weir tank, sent through a 10-µm bag filter, sampled at a frequency of once/20,000 gallons and then discharged to the ditch without holding/waiting for results.
- D. IMCs have taken longer than 30 days to return to the landfill for re-use. There will be insufficient IMCs available to continue excavation activities. The last 4 IMCs on-site to be filled today at Area C. The partially-filled IMC to be repaired and filled once the repair is completed. The partially-filled IMC probably won't need to be emptied to

complete the repair. USACE stated that the IMCs from Areas A and B contained free liquids (i.e., they did not pass the paint filter test) when received at the disposal facility. To expedite IMC return, the USACE has requested that the disposal facility empty the IMCs that were collected from Area C before handling the IMCs from Areas A and B. The USACE also requested that the disposal facility provide a date for IMC availability at the railyard. Responses to both requests are pending.

4. Site Preparation

- A. Temporary power at the northern trailer is complete. Tied into generator.
- B. USACE requested that the haul road over the landfill cap be inspection to ensure that it meets the specification, i.e., additional 6-inches stone.

5. Air Monitoring

- A. July 19 weekly report will be revised and resubmitted.
- B. July 26 weekly report to be submitted on Thursday, August 1.

6. IMCs

- A. 20 total IMCs on site.
- B. Total of 95 filled.
- C. Total of 84 shipped off site.

7. Water Management

- A. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks.
- B. Three tanks were filled and sampled 7/26; results are due on 8/1.
- C. One tank was sampled on 7/29; results are due on 8/2.
- D. Final two tanks being filled today while dewatering Area A, will also be sampled today; results are due on 8/5.

8. Excavation Areas Summary (A through H)

A. Area A:

8.A.1. Complete, needs surveying.

B. Area B:

8.B.1. Completed excavation and surveying. Analytical results submitted to USACE.

C. Area C:

8.C.1. Excavated additional material from Area C today. The excavation of additional material may require the identification of additional DUs.

D. Area D:

- 8.D.1. Excavation started on 7/15. Three DUs excavated and sampled. DU samples collected before survey are on hold at the lab.
- 8.D.2. Significant scan reading on the eastern side wall of the southern lobe.
- 8.D.3. Awaiting survey data.

E. Area E:

- 8.E.1. Excavated.
- 8.E.2. DU samples collected prior to survey on hold at the lab.
- 8.E.3. Awaiting survey.

- F. Area F:
 - 8.F.1. Excavated
 - 8.F.2. Awaiting survey.
- G. Area G:
 - 8.G.1. Ready for excavation
- H. Area H:
 - 8.H.1. Ready for excavation
- 9. Upcoming Week's Activities
 - A. Demobilization due to the lack of IMCs.
- 10. Other Items/Open Discussion
 - A. USACE requests gamma walkover survey data from Areas C and H.
 - B. USACE asks Plexus to provide a timeline for submittal of the first backfill data package. An estimate of two weeks is identified. USACE also states preference for a complete data package for each excavation area, although they would consider reviewing partial ones. Plexus reiterates their understanding of the required components of a given backfill data package: confirmation soil sampling results, survey data, and backfill data.

Weekly Project Meeting Minutes August 6, 2019

Attendees:



1. Safety

- A. No safety issues.
- B. Demobilization was completed on 8/2. Daily checks of the excavation are occurring and will continue throughout the demobilization period. Security checks of the site continue.

2. Quality Control

- A. Daily reports being caught up and submitted via RMS.
- B. Daily reports are needed for each day during the demobilization period also.

3. Significant Issues

- A. Demobilization from the site due to insufficient IMCs available. The landfill indicated that they are trying to get one rail car per day emptied.
- B. Plexus will notify the State of the discharge to surface waters prior to re-mobilization to the site. Outstanding issue from NYSDEC is whether the radionuclides are dissolved and/or bioavailable. It's confirmed that they are dissolved as the analysis result are for filtered samples, bioavailability needs to be verified. USACE suggests that Plexus simply tell the NYSDEC what will be done and not ask permission. Send NYSDEC a graphic of the treatment and discharge process will be on site possibly Tuesday next week and USACE can walk him through the approach.

4. Site Preparation

A. Re-compaction/stabilization of the IMC storage area and adding stone to the road over the capped landfill need to be done during re-mobilization.

- 5. Air Monitoring
 - A. July 26 weekly report has been submitted.
 - B. Corrections to the previous several weeks were also provided last week.
 - C. Last week's report to be submitted later this week.
 - D. There will be no air monitoring reports while demobilized from the site.
- 6. IMCs
 - A. No IMCs on site.
 - B. Total of 105 filled.
 - C. Total of 105 shipped off site.
- 7. Water Management
 - A. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks.
 - B. Three frac tanks were sampled the previous week, three were sampled this week. One Monday and two on Tuesday.
 - C. All 6 frac tanks are full.
- 8. Excavation Areas Summary (A through H)
 - A. Area A:
 - 8.A.1. Complete, surveyed. Additional confirmation samples were collected and are being held pending review of survey results.
 - B. Area B:
 - 8.B.1. Completed excavation and surveying. Analytical results submitted to USACE.
 - C. Area C:
 - 8.C.1. Completed and surveyed, Analytical results submitted to USACE. Additional confirmation samples were collected and are being held pending review of survey results.
 - D. Area D:
 - 8.D.1. Excavation started on 7/15. Three DUs excavated and sampled. DU samples collected before survey are on hold at the lab.
 - 8.D.2. Significant scan reading on the eastern side wall of the southern lobe.
 - 8.D.3. Awaiting survey data.
 - E. Area E:
 - 8.E.1. Excavated.
 - 8.E.2. DU samples collected prior to survey on hold at the lab.
 - 8.E.3. Awaiting survey.
 - F. Area F:
 - 8.F.1. Excavated.
 - 8.F.2. Surveyed.
 - 8.F.3. Additional confirmation samples were collected and are being held pending review of survey results.
 - G. Area G:
 - 8.G.1. Ready for excavation

- H. Area H:
 - 8.H.1. Ready for excavation
- 9. Upcoming Week's Activities
 - A. Continue daily excavation inspections.
- 10. Other Items/Open Discussion
 - A. 150 IMC liners are being sent to the project site and should arrive by the end of the week. The liners will need to be installed in the IMCs. USACE is working on an email regarding this.
 - 10.A.1. The liners can be used in lieu of the splash guard that is currently being used to protect the IMC from spillage/ contamination.
 - 10.A.2. The desiccant being used is contributing to the difficulties in the landfill removing material from the IMCs. Even using excavators, the landfill is having difficulties getting the material out.
 - 10.A.3. The landfill also ahs issues with the strength of the waste material.
 - 10.A.4. The solution to all these problems is to install liners. So when the liners arrive they will need to be put into the containers.
 - 10.A.5. Develop a plan for installing the liners when you return to the site.
 - B. USACE hopes to have 21 empty IMCs staged on site before Plexus returns from the demobilization period.
 - C. USACE is adding more IMCs to the project. A total of 21 additional IMCs are being added. USACE will provide more information when known.
 - D. The difficulties appear to be related mostly to the IMCs with wastes from excavations A and B. Once Plexus changed the mixing technique, the problem of unloading stopped.
 - E. The landfill is tracking the specific IMCs that have the unloading issues.
 - F. At least one IMC will be returned to the site with material (~1CY) still in the IMC. Plexus will need to devise a plan to clean the IMC before putting the liner in.
 - G. The landfill is cleaning the IMCs, but only on Saturdays and at a rate of 4 per day.
 - H. If more than 21 IMCs are needed staged on site, let USACE know. At this time, 21 appears to be sufficient, if more are needed, Plexus will let USACE know.

Weekly Project Meeting Minutes August 13, 2019

Attendees:



Safety

- A. Daily checks of the excavation are occurring and will continue throughout the demobilization period. Security checks of the site continue.
- B. Two vehicles suffered flat tires due to nails. Nails were identified on the ground at exit ramp from active landfill using a magnetic roller. No nails were found at the northern trailer.

2. Quality Control

- A. Daily reports are complete through 8/3.
 - 2.A.1. Discussed how to enter the daily reports into RMS. USACE indicated that Plexus would need to complete labor and equipment hours and weather sections, but the remainder could be left blank and the paper daily uploaded. USACE willing to have off-line discussion to talk more about what to enter.
- B. Daily reports are needed for each day during the demobilization period.
- C. USACE requested status of staffing who will be filling what role when returning? Until remobilization date is identified, people cannot be identified.

- A. IMCs What is the status of IMCs returning to TLVP? Plexus does not want to remobilize and then run out of IMCs again, the preference is to re-mobilize once.
 - 3.A.1. USACE asked how many are needed before remobilization.
 - 3.A.1.1. DNT assumes 8-12 IMC/day production upon return. Installation of liners will slow production rate.
 - 3.A.1.1.1. Flow back from Michigan needs to be better known.
 - 3.A.2. Can have discussion off line but USACE says 6 IMC per day is per modification.
 - 3.A.3. USACE says that waste paperwork causes slow down.
 - 3.A.4. USACE says that the slow start of IMC filling and then the rapid filling of IMCs has caused the issue with steady state travel of IMCs to Michigan.

- 3.A.5. USACE wants steady state of IMCs coming out of Michigan.
- 3.A.6. USACE can't give guidance right now on when to re-mobilize. Once USACE can deliver empty IMCs to the site, they will provide guidance on remobilization.
- 3.A.7. USACE agrees they don't want Plexus to remobilize and run out of IMCs. They want more IMCs in the system before remobilizing.
- B. Liners to be delivered tomorrow, 3 pallets, 150 total. Placed need to connex where nitrogen can used to be.
 - 3.B.1. Need info on liners: fitted, of visqueen, etc.
 - 3.B.1.1. USACE has asked those questions. They will know more when they are delivered but were told that they are individual liners.
 - 3.B.1.1.1. Can have Shane help with opening a liner.
 - 3.B.1.2. DNT indicated that there are issues with getting the liners into the boxes. For example, personnel can't get on boxes, so need to build scaffolding to line them.
 - 3.B.1.3. Need to now what needs to get done with material that's still in the IMCs (if any).
 - 3.B.2. Problem is that liquidzorb (plexus' means and methods) caused material not to be removable. At least one IMC has 1 CY of material coming back. USACE then asked them to skip IMCs and empty other IMCs.
 - 3.B.2.1. DNT liquidzorb does not act that way. It doesn't bind to metal. It's the material having a high clay content that's causing the issue.
 - 3.B.2.2. Need to know what needs to get done with the liners.
 - 3.B.3. USACE wants to have some empty IMCs to examine, to see what material is inside, if they are DOT clean (inch of material).
 - 3.B.4. The IMC with documented material will need to be emptied on site. Spoke to Patrick and Shane about this.
- C. Surface water discharge email to be sent today.
- 4. Site Preparation
 - A. No Changes
 - B. Re-compaction/stabilization of the IMC storage area and adding stone to the road over the capped landfill need to be done during re-mobilization.
- 5. Air Monitoring
 - A. July 29 weekly report under development. Challenges with getting data downloaded from instruments.
 - B. Jake on site at least 2 days getting air data and weather data.
 - 5.B.1. USACE was not notified that people were coming to the site.
 - 5.B.2. Shane would like to know when hand held meter arrives to test.
- 6. IMCs
 - A. No Changes
 - B. No IMCs on site.
 - C. Total of 105 filled.
 - D. Total of 105 shipped off site.
- 7. Water Management

- A. Analytical results all below surface water limits. Results will be sent to USACE.
- B. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks.
- C. Three frac tanks were sampled the previous week, three were sampled this week. One Monday and two on Tuesday.
- D. All 6 frac tanks are full.
- 8. Excavation Areas Summary (A through H)
 - A. No Changes
 - B. Area A:
 - 8.B.1. Complete, surveyed. Additional confirmation samples were collected and are being held pending review of survey results.
 - C. Area B:
 - 8.C.1. Completed excavation and surveying. Analytical results submitted to USACE.
 - D. Area C:
 - 8.D.1. Completed and surveyed, Analytical results submitted to USACE. Additional confirmation samples were collected and are being held pending review of survey results.
 - E. Area D:
 - 8.E.1. Excavation started on 7/15. Three DUs excavated and sampled. DU samples collected before survey are on hold at the lab.
 - 8.E.2. Significant scan reading on the eastern side wall of the southern lobe.
 - 8.E.3. Awaiting survey data.
 - F. Area E:
 - 8.F.1. Excavated.
 - 8.F.2. DU samples collected prior to survey on hold at the lab.
 - 8.F.3. Awaiting survey.
 - G. Area F:
 - 8.G.1. Excavated.
 - 8.G.2. Surveyed.
 - 8.G.3. Additional confirmation samples were collected and are being held pending review of survey results.
 - H. Area G:
 - 8.H.1. Ready for excavation
 - I. Area H:
 - 8.I.1. Ready for excavation
- 9. Upcoming Week's Activities
 - A. Continue daily excavation inspections.
- 10. Other Items/Open Discussion
 - A. Confirmation samples: USACE indicated that additional confirmation samples from various excavations were collected and are currently stored on site. USACE asked if the samples in storage on site would be analyzed or if the current set of results are acceptable. Plexus indicated that they believe that the existing set of data are acceptable and that additional samples analysis is not necessary. USACE indicated that

- they need the requested backfill documentation so that they know whether the excavations can be backfilled. Plexus indicated that an email would be provided that indicates why the existing data is acceptable.
- B. Excavation Areas G & H are ready for excavation. USACE has concern the Area D has elevated levels and that some material had to be returned to the excavation because it did not meet the waste acceptance criteria. USACE also concerned that there are open excavations and that they need to be backfilled as soon as possible. Areas G and H anticipated to be lower level activity than Area D. USACE is concerned that if Areas G & H are done before Area D is finished, then there may be a situation where there is waste generated that requires different manifesting. Therefore, USACE would like Area D to be completed to the extent it can before starting Areas G and H and to backfill other areas as soon as possible. Please consider that in the plan for remobilization. USACE would like Area D to be finished before Areas G & H (leaving the most contaminated material to the end).
- C. Liners. For planning purposes, what IMCs need to be lined? All IMCs need to be liner. Will Plexus receive written notice that liners are required? Yes, USACE will send email that liners must be used.
- D. Stabilization of material. For planning purposes, will Calciment be required in lieu of the Liquidzorb?
 - 10.D.1. USACE Current method (Liquidzorb) is not meeting waste acceptance criteria (WAC).
 - 10.D.2. Couple of issues: too much free liquids not passing paint filter test. Facility is fixing those IMCs as they can to fix that issue.
 - 10.D.3.#2 Liquidsorb is causing material to stick to IMC.
 - 10.D.3.1. DNT claims that their experience with the material is that is does not cause a sticking issue, that the sticking issue is the waste material itself.
 - 10.D.4. Supposedly there is a strength criteria that's not being met. USACE trying to get info whether Calciment will meet the strength requirement.
 - 10.D.5. Two levels too wet or not strong enough. USACE sent email to Plexus about this a few weeks ago.
 - 10.D.6. USACE won't direct Plexus to use Calciment. SOW says to stabilize material so that it meets WAC. USACE has info that Calciment being used at other facilities to meet the same WAC.
- E. USACE will try to get better status on IMCs coming back. RFP say steady state of 6 IMC per day. Trying to get a handle on when IMCs will return.

Weekly Project Meeting Minutes August 20, 2019

Attendees:



Safety

A. Daily checks of the excavation are occurring and will continue throughout the demobilization period. Security checks of the site continue.

2. Quality Control

- A. Daily reports are complete through 8/3.
- B. Daily reports are needed for each day during the demobilization period.
- C. In the process of inputting the manpower and equipment hours and weather into RMS and uploading the paper dailies.

3. Significant Issues

- A. Surface water discharge email sent 8/14. No acknowledgment received.
- B. IMCs:
 - 3.B.1. Most recent rail report (8/18/19) appears to indicate 21 IMCs at Blasdell, 21 in Buffalo headed to Blasdell, 28 released from the landfill, and 35 at the landfill, for a total of 105 IMCs in the system.
 - 3.B.2. There are no estimated arrival dates in the spreadsheet. USACE will ask for ETAs to Buffalo to be input. USACE indicated that it took 4-5 days to get to Blasdell from Buffalo
 - 3.B.3. Have any empty IMCs been moved to the landfill? Not been done yet. USACE still plans on doing it. ERS not happy about dead heading (dropping empty IMCs and not returning with full ones), USACE would like 12-16 on site. USACE will request a 2 empty for 1 full IMC exchange moving forward to get back to 21 on storage on site
 - 3.B.4. Plexus most recently indicated an assume re-mobilization date of Sept 3. Is everyone is agreement on that date?
 - 3.B.4.1. USACE: Sept 3 is travel date, couple things that need to be done before excavation can take place:

Frac tank discharge, monitor discharge of ponding or erosion, fix laydown area, add stone to road over landfill, get ISOCS back on site and calibrated, air monitoring equipment

3.B.4.2. USACE is in agreement not to re-mobe this week but suggested looking at doing some of the aforementioned pre-mobilization activities next week. Plexus will consider the input and let USACE know the plan but mobilizing next week may be too short a notice.

4. Site Preparation

- A. No Changes
- B. Re-compaction/stabilization of the IMC storage area and adding stone to the road over the capped landfill need to be done during re-mobilization.
- C. USACE wants to have a dry run/demonstration of what it takes to properly place a liner without entering the IMC. Looks like it's feasible. Would like that to happen sooner rather than later.
- D. Scanning of incoming IMCs. Where can the IMCs be opened?
 - 4.D.1. During preparatory meeting a 10% scanning of incoming IMCs was identified.
 - 4.D.2. USACE will get consensus on whether returning IMCs need to be scanned. USACE indicated that returning IMC will be opened to be inspected but that air monitoring may be required.

5. Air Monitoring

- A. No air reports outstanding. Next air report will be issued after remobilization.
- B. Next report would be week of Sept 9.
- C. Monitoring when dirt being moved. USACE question: During pre-mobilization activities will air monitoring be done? No. Because no work will be going on in the excavation areas no air monitoring is required. Unless a new background/baseline event is needed. Jack Buddenbaum to review the past data and determine if new base line is needed. Unless there has been a change in the operations around the work areas, its unlikely that a new base line is need. Jack will consult Shane Derden SSHO for site activities.

6. IMCs

- A. No Changes
- B. No IMCs on site.
- C. Total of 105 filled.
- D. Total of 105 shipped off site.

Any info on when the 21 additional IMCs may be added? USACE does not have a date right now. Kansas City is hoping to award by 30th with IMCs possibly arriving the first couple weeks of September.

- A. Analytical results for the current set of frac tanks has been provided to the USACE.
- B. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks.
- C. Three frac tanks were sampled the previous week, three were sampled this week. One Monday and two on Tuesday.

- D. All 6 frac tanks are full.
- 8. Excavation Areas Summary (A through H)
 - A. No Changes
 - B. Area A:
 - 8.B.1. Complete, surveyed. Additional confirmation samples were collected and are being held pending review of survey results.
 - C. Area B:
 - 8.C.1. Completed excavation and surveying. Analytical results submitted to USACE.
 - D. Area C:
 - 8.D.1. Completed and surveyed, Analytical results submitted to USACE. Additional confirmation samples were collected and are being held pending review of survey results.
 - E. Area D:
 - 8.E.1. Excavation started on 7/15. Three DUs excavated and sampled. DU samples collected before survey are on hold at the lab.
 - 8.E.2. Significant scan reading on the eastern side wall of the southern lobe.
 - 8.E.3. Awaiting survey data.
 - F. Area E:
 - 8.F.1. Excavated.
 - 8.F.2. DU samples collected prior to survey on hold at the lab.
 - 8.F.3. Awaiting survey.
 - G. Area F:
 - 8.G.1. Excavated.
 - 8.G.2. Surveyed.
 - 8.G.3. Additional confirmation samples were collected and are being held pending review of survey results.
 - H. Area G:
 - 8.H.1. Ready for excavation
 - I. Area H:
 - 8.I.1. Ready for excavation
- 9. Upcoming Week's Activities
 - A. Continue daily excavation inspections.
- 10. Other Items/Open Discussion
 - A. Liners: Awaiting notice from USACE that liners are required. USACE wants dry run of installing liners. Looks like a 2-person job from outside the IMC. Liners are form fitted. Appears no need to enter the IMCs to install. Might need more or larger magnets that are being used for the plastic cover that is currently being used. Maybe step ladders too.
 - B. Plexus asked if the installation of the liners was a change or if USACE believes that they should be installed as part of the original scope of work. USACE's opinion that it's part of the base work because of costs incurred on disposal end.

- C. Stabilization of material: Calciment vs liquidzorb. What is the WAC requirement that needs to be met?
 - 10.C.1. A total of 33 IMCs have required additional processing at the landfill which is a 50% upcharge. There are discussions on this that liquidzorb is not doing the trick. Liquidzorb is not a strengthener to meet the WAC addendum. Meeting WAC is part of contract. There is a delay at the facility too because the IMCs need additional work and this impacts getting the IMCs back and the costs for off-loading.
 - 10.C.1.1. DNT Was this info (e.g., strength requirement) on the WAC provided to us upfront? USACE will find out but thinks so.
 - 10.C.1.2. The additional processing is a significant issue. It's causing delays. The waste is not meeting paint filter test and is failing the WAC strength criteria at the point of disposal.
 - 10.C.2. USACE asked if Plexus has the WAC Addendum? Mark Legeza indicated that he will be sending it over.
- D. Survey: Plexus sent over CAD and text files and USACE has forwarded to GIS for evaluation.
 - 10.D.1. Secondary question is if the limits are being met. USACE will focus their review of the data on areas A and C.
- E. Confirmation data: Plexus to send email on Area A regarding confirmation samples being acceptable.
- F. Remobilization game plan: USACE wants to know what areas are going to be executed first, or if other excavations will be opened. USACE would like to see a plan. Plexus will discuss with DNT and get an email out.
- G. Modification done for clarification: USACE to hold Plexus to filling an average of 6 IMCs per day. During the initial work there was a surge in production and that caused issues. USACE will hold Plexus to a steady state of only producing 6 IMCs per day. USACE will send email on this issue and include the language of the modification.

Weekly Project Meeting Minutes



1. Safety

- A. Daily checks of the excavation are occurring and will continue throughout the demobilization period. Security checks of the site continue.
- B. Some limited staff returned to the site Aug 26 for pre-mobilization activities.

2. Quality Control

- A. Daily reports are complete through 8/3 and were submitted via email. RMS needs updating to include the emailed daily reports.
- B. USACE had server issues and the emailed version may have been lost.
- C. Daily reports are needed for each day during the demobilization period.
- D. Mike Currier will be CQCSM when Plexus remobilizes.

3. Significant Issues

- A. Surface water discharge email sent 8/14. No acknowledgment received.
- B. IMCs:
 - 3.B.1. Small crew remobilized 8/26 to being pre-mobilization activities.
 - 3.B.2. Are the additional IMCs still on track? Waiting on KC to get back.
 - 3.B.3. Can the USACE add more than the 21, up to the 156 indicated in RFP-002? Shipping to landfill should be faster, new rules were added. Should be a quicker turn. Need to have 7 IMCs so the car can ship. No plan to add more IMCs.

4. Site Preparation

A. No Changes

- B. Surface discharge yesterday, two frac tanks of treated water were released. Water was adsorbed into the ground before reaching foot path. They were unloaded over 2 hours. Release went well, discharge location is close to planned location, does not appear to be impacting residential yard or any other area. Releasing remaining frac tanks today.
- C. Receiving 4 loads of stone today.
- D. Solar Liberty started work, increased traffic on landfill. But landfill seems to be accepting fewer trucks. Turn at the top of landfill will be more congested. Be aware of extra traffic when remobilized.

5. Air Monitoring

- A. No air reports outstanding. Next air report will be issued after remobilization.
- B. The request to change the approach sent to USACE yesterday on analysis of filters at the end of day is not acceptable to the USACE. Air monitoring and counting of filters are to continue per the PAMP

6. IMCs

- A. 8 IMCs on site as of 8/27/19. 2 more to be delivered tomorrow.
- B. Total of 105 filled.
- C. Total of 105 shipped off site.
- D. USACE's plan will be 2:1 drop off to pickup until 21 empty IMCs are on site.

7. Water Management

- A. No change.
- B. Water discharge testing underway. Two released yesterday, plan to release 4 today. Does USACE have the analytical data for the water? If not send to USACE.
- C. Follow email to NYSDEC on sampling daily or 20K. Weir tank to be emptied today. Collect sample before discharge.
- D. There are 7 tanks on site; 1 weir tank and 6 treated water storage tanks.
- 8. Excavation Areas Summary (A through H)
 - A. No Changes

B. Area A:

8.B.1. Complete, surveyed. Additional confirmation samples were collected and are being held pending review of survey results.

C. Area B:

8.C.1. Completed excavation and surveying. Analytical results submitted to USACE.

D. Area C:

8.D.1. Completed and surveyed, Analytical results submitted to USACE. Additional confirmation samples were collected and are being held pending review of survey results.

E. Area D:

8.E.1. Excavation started on 7/15. Three DUs excavated and sampled. DU samples collected before survey are on hold at the lab.

- 8.E.2. Significant scan reading on the eastern side wall of the southern lobe.
- 8.E.3. Awaiting survey data.
- F. Area E:
 - 8.F.1. Excavated.
 - 8.F.2. DU samples collected prior to survey on hold at the lab.
 - 8.F.3. Awaiting survey.
- G. Area F:
 - 8.G.1. Excavated.
 - 8.G.2. Surveyed.
 - 8.G.3. Additional confirmation samples were collected and are being held pending review of survey results.
- H. Area G:
 - 8.H.1. Ready for excavation
- I. Area H:
 - 8.I.1. Ready for excavation
- J. Plexus is in process of compiling backfill package for Area A. Did Plexus receive USACE GIS drawing? USACE will discuss with Bryan off line.
- K. USACE indicated that data file sent contains only data, no lines. Plexus provided drawing with limits displayed with Pay Estimate #6. Analytical data was provided back in July.
- L. Plan for the remobilization is for Excavation D first to generate IMCs then move to cleaning out open excavations so they can be backfilled. USACE concurs with approach.
- 9. Upcoming Week's Activities
 - A. Continue daily excavation inspections.
 - B. Small crew mobilized Aug 26 to begin pre-mobilization activities.
 - 9.B.1. Installation of surface discharge point and test discharge
 - 9.B.2. Regrade storage area
 - 9.B.3. Add stone to covered landfill road
- 10. Other Items/Open Discussion
 - A. Liners: Awaiting notice from USACE that liners are required. Email sent just before meeting.
 - B. USACE provided WAC for stabilization. What is the method to be used to demonstrate compliance given that the requirement is required at the landfill not at the site? Will On-site testing be required? USACE, no, there is no test method for strength requirement. USACE says they sent photos, liquidzorb is making to a putty type material, liquidzorb sticking to sides. Photos not received by Plexus.
 - C. Lisa Berta suitability of waste determined at the land fill. It's a requirement from OSHA, need to have stable ground.
 - D. Landfill has litmus test for determining compliance.
 - E. At other sites, there is a mixing area. What Plexus has been doing with a bench works but it's up to Plexus to determine means and methods however, material should be mixed at point of excavation, not in the IMC. Some places mix is a 30 yd open roll off, others have a mixing area.

- F. No onsite testing required, Plexus can do testing if they want. But need to meet the requirement at the end.
- G. USACE was looking for free liquids before sealing IMC and there were no free liquids before closing the IMCs.
- H. USACE to schedule call with US Ecology to discuss methods that Plexus could use to test material to ensure that the problem of not meeting strength requirements happens again.
- I. Generator at southern trailer: USACE put 5 gal fuel in. Need to have ability to refuel when returned. Working with Shane on how to accomplish this.
- 11. Skip Meeting next week due to the holiday
- 12. Wed Sep 4 Major General Whittle to perform a site visit anticipated to be around 1pm.

Weekly Project Meeting Minutes
September 10, 2019





1. Safety

- A. New safety procedures and AHA instituted for handling of Calciment[®].
- B. Discussion on use of rad rope and signs. USACE indicates that rad rope is required and is not fully installed at all areas, that Excavation Area D and E do not have rad rope. The exclusion zone was expanded around D and E and there is only sporadic rad rope. Lisa Berta will inspect the area after the meeting.
- C. Indicated that signs need to be evenly distributed and there needs to be a complete barrier. NRC has spacing requirements. Check EM 385-1-80 for sign spacing.

2. Quality Control

- A. Daily reports are complete through 9/8. In RMS, several reports need completion. That process should be completed this week.
- B. Crews were reminded of procedures for excavation, handling of IMCs, screening of sidewalls and collection of confirmation samples. Crew discussed new water handling procedures (daily sample or 1 every 20,000 gallons if dewatering less than 20,000 gallons in a day).
- C. New CQCSM in two weeks.
- D. requests data from IMC samples.

3. Significant Issues

- A. Surface water discharge working well. Drainage ditch able to handle the flow of dewatering water.
- B. IMCs:
 - 3.B.1. All IMCs have departed the landfill and have returned to Blasdell or are in transit to Blasdell.

C. Stabilization of waste:

- 3.C.1. Calciment® was procured in bulk (23.8 tons) and staged and covered on the active landfill. Loose Calciment® is brought to the excavation in a loader bucket and mixed with the waste within the excavation area. This is a test load of material to determine the efficiency of bulk delivery and handling.
- 3.C.2. Calciment® was added on Friday and one IMC filled. When filled the material did not release free liquids. As a test, the IMC was moved over the landfill and placed in storage over the weekend. On Monday there were free liquids. This indicates that more stabilization material than would normally be applied is needed.
- 3.C.3. USACE indicated that there is an approx. 75 ton working pile, ¾ full loader bucket of Calciment® was applied. On the call with US Ecology, they were using the same material and a 10% mixture by weight to meet the requirement. On Friday 3-4% at most was used, still did not meet free liquid requirement. Had discussion yesterday the US Ecology indicated 10% and for due diligence, the contractor to use 10% is defensible in case some IMCs show up with free liquids. Plexus is instituting this 10% requirement on site. About 3 ½ ton per loader bucket, good for 5 IMCs. Dumped the 3 IMCs loaded previously.
- 3.C.4. Alternate delivery methods were considered but it is easier to deal with as bulk than bags. Will continue to work with the bulk delivery. Not an excessive amount of dust when bringing it up and mixing the material. Current load should address 18 IMCs. DNT has a load scheduled for every Friday through September. Can increase delivery when needed to meet productivity.
- 3.C.5. Regarding storing: make sure plastic that's covering the material edges go outside the berm.

4. Site Preparation

A. The IMC storage area was regraded, addition stone was added to the haul road over the capped portion of the landfill, and surface water discharge area was created.

5. Air Monitoring

A. Last week had minimal operating days. USACE approved consolidating the short week and this week into one report.

6. IMCs

- A. 10 IMCs on site.
- B. 2 IMCs are damaged and need repair.
- C. Total of 1 filled.
- D. Total of 116 additional empty IMCs available.
- E. 2:1 empty to filled until we have 21 on site.

- A. Surface water discharge testing completed. On 9/6 approximately 110,000 gallons were removed from the excavation, treated, and discharged without any observed erosion or backing up of the discharge area.
- B. Only one of the 6 storage tanks are needed. Would like to schedule decontamination of five storage tanks and cleanout of the weir tank for Saturday 9/21. Solids would be placed into an active excavation for solidification and loadout.

- 8. Excavation Areas Summary (A through H)
 - A. Area A:
 - 8.A.1. Needs minor additional excavation in the north west and south east corners to reach required 5-foot depth.
 - B. Area B:
 - 8.B.1. Addition soil was removed from the excavation the week of 7/29. A survey is needed to determine current limits.
 - C. Area C:
 - 8.C.1. Additional survey, and possibly additional excavation is needed.
 - D. Area D:
 - 8.D.1. Excavation re-started on 9/5. One DUs excavated and sampled on 9/6.
 - 8.D.2. Area of elevated scanning in the south east corner was chased beyond the planned limit of the excavation. Because of the potential for the impacted material to connect to excavation E, a decision was made to stop chasing and to focus on other portions of Area D. The plan is to get a large portion of D excavated and backfilled before continuing the chase of elevated readings.
 - E. Area E:
 - 8.E.1. 90% excavated.
 - 8.E.2. Some DU samples were collected prior to survey and are in storage.
 - 8.E.3. Requires survey and additional excavation.
 - F. Area F:
 - 8.F.1. Excavated.
 - 8.F.2. Requires re-survey. Additional excavation not likely.
 - 8.F.3. Confirmation sample results will be submitted after review of survey info.
 - G. Area G:
 - 8.G.1. Ready for excavation
 - H. Area H:
 - 8.H.1. Ready for excavation
- 9. Upcoming Week's Activities
 - A. Continue Area D. Focus on eastern half. One, possibly 2 additional DUs to be sampled before moving to alternate excavation while awaiting confirmation sample results and survey data. Area D would then be partially backfilled then the western area will be completed.
- 10. Other Items/Open Discussion
 - A. Liners: Liners are being placed in the IMCs by DNT prior to filling.

Weekly Project Meeting Agenda September 17, 2019



1. Safety

- A. An addendum to the APP is under development to allow for entry into the frac tanks for cleaning. Was submitted on Monday. USACE has only one comment from Safety office: Will there is any potential for noise exposure? Comment will be provided via email.
- B. Cable clamps on IMC truck Replaced saddle clamps. Marked with paint, checking for each IMC.
- C. Existing Radioactivity signs were rearranged, and additional signs have been ordered and arrived today.

2. Quality Control

- A. Daily reports are complete through 9/13.
- B. Ali Sadrieh to be CQCSM week of September 23, Pat Reilley to be CQCSM week of September 30.
- C. IMC sample results were provided to Neil Miller as requested.
- D. Survey of Excavations F, C, and D performed on Friday.

3. Significant Issues

A. Stabilization of waste: received delivery of bulk Calciment® Thursday. USACE provided additional information from US Ecology: Wastes were actually treated with between 10-30% with several loads requiring 30% admixture. Last week, utilizing approximately 20% Calciment® to solidify to USACE-acceptable level.

There is a learning process of what's being excavated, the team is doing a better job of determining the appropriate amount of mixture. USACE being asked if its OK or

not, but say they can only give their opinion. Plexus has been using a 10% min adding more as the material gets wetter. USACE's assessment is based on how the material falls out of the bucket rather than how it stands up.

4. Air Monitoring

A. Last week and the Labor Day week's data is being consolidated into single report to be issued this week.

5. IMCs

- A. 18 IMCs on site.
- B. 0 filled onsite.
- C. 11 Shipped off site.
- D. Total of 117 shipped off site.

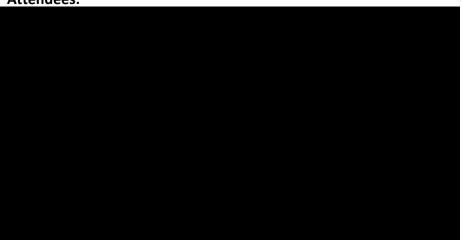
Two IMCs with returning waste have been cleaned. Standing water within other IMCs is being dumped when discovered. Notifying Price on the rejected IMCs, several IMC lids are damaged and Price is coming out to the site to fix them. Looks like the disposal facility was using heavy equipment to un load the IMCs and they were damaged in the process. Making extra effort to inspect the lids due to several damaged lids. Notifying ERS to correct before the IMCs arrive.

- A. Surface water process train slightly modified to address rapid clogging of bag filters. The modifications have no impact on information sent to NYSDEC on treatment process. The modification inserted storage of untreated water in frac tanks prior to treatment and discharge.
- B. Approximatel6y 333,000 gallons removed, treated and discharged.
- C. Decontamination of five storage tanks and cleanout of the weir tank planned for Friday 9/20. Solids would be placed into an active excavation (Area E) for solidification and subsequent loadout.
- D. End of last week some treated water samples were collected out of the frac tank, this week started collection of samples at the discharge point. Samples are collected daily.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Needs minor additional excavation in the north west and south east corners to reach required 5-foot depth.
 - B. Area B:
 - 7.B.1. Additional soil was removed from the excavation the week of 7/29. A survey is needed to determine current limits. No additional soil was removed from the bottom so additional vertical excavation is still needed.
 - C. Area C:
 - 7.C.1. Re-surveyed on 9/13.
 - D. Area D:
 - 7.D.1. Excavation re-started on 9/5. Total of 5 DUs collected.
 - 7.D.2. Interim survey on 9/13.

- E. Area E:
 - 7.E.1. 90% excavated.
 - 7.E.2. Some DU samples were collected prior to survey and are in storage.
 - 7.E.3. Requires survey and additional excavation.
- F. Area F:
 - 7.F.1. Excavated.
 - 7.F.2. Re-surveyed 9/13.
- G. Area G:
 - 7.G.1. Ready for excavation
- H. Area H:
 - 7.H.1. Ready for excavation
- 8. Upcoming Week's Activities
 - A. Continue excavation of Area D.
 - B. Frac Tank decontamination and weir tank clean out. Cleaning may continue on Saturday. Depends on how quick the cleaning of the frac tanks go.
- 9. Other Items/Open Discussion
 - A. None.

Weekly Project Meeting Minutes September 24, 2019





1. Safety

- A. Successful confined space entry on Friday and Saturday to clean frac tanks and empty the weir tank. Four frac tanks cleaned and surveyed for release.
- B. The water truck is misting when Calciment® is in use at the excavations.
- C. Plexus to get Confined Space Entry Addendum uploaded to RMS this week.

2. Quality Control

- A. Daily reports are complete through 9/18.
- B. is CQCSM onsite this week, to be CQCSM next week and the week of Oct 7 returning on 10/14 (which is planned to be a work day).

 USACE looking into working on Federal Holiday and should have a response later today.

3. Significant Issues

A. Stabilization of waste: received delivery of bulk Calciment® Tuesday and Friday. Calciment® applied at rates up to approximately 43%. Current strategy is to load IMCs in the morning and excavated and solidify in the afternoon allowing the material to hydrate overnight. This process will work well when there is a bench within the excavation however at excavations that are small or already mostly excavated (e.g., A, B, F) an area outside of the excavation but within the exclusion zone will be needed to excavate and treat the waste.

4. Air Monitoring

A. Last week's air monitoring report was issued. Additional dust control is being implemented during Calciment® application.

- 5. IMCs
 - A. 15 IMCs on site.
 - B. 4 filled onsite.
 - C. 14 Shipped off site.
 - D. Total of 131 shipped off site.

USACE is still trying to get 2:1 empty to filled executed. Currently 16 IMCs on site, 15 usable right now. Might have a problem with that because there may be slow production when doing areas, A, B, and C, may have several empties on site.

A total of 29 IMCs shipped since re-mobilization as of this morning.

- 6. Water Management
 - A. Four frac tanks cleaned and surveyed for release. One frac tank picked up today.
 - B. Weir tank emptied and sludge discharged into Area E.
 - C. Water levels remaining relatively low. Monday only required 1 ½ hours to pump down Area D.
 - D. Ultimately only 2 frac tanks will remain on site.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Needs minor additional excavation in the north west and south east corners to reach required 5-foot depth.
 - B. Area B:
 - 7.B.1. Additional soil was removed from the lateral limits of the excavation the week of 7/29. A survey is needed to determine current limits, additional vertical excavation is needed.
 - C. Area C:
 - 7.C.1. Re-surveyed on 9/13.
 - D. Area D:
 - 7.D.1. Excavation re-started on 9/5. Total of 5 DUs collected.
 - 7.D.2. Confirmation results for DU 2 appear to indicate exceedance of the clean up goals. Per Work Plan, over excavation is of the entire DU with a 5-foot set back. DU Layer 6 failed for thorium, therefore excavation would be the whole DU length, 5 feet back, to the depth of 5 feet.
 - USACE concurs with excavation of entire DU 5 feet back to a depth of 5 feet.
 - 7.D.3. Interim survey on 9/13. Areas identified in the survey doe DU1, 3, and 4 indicated additional excavation necessary on the lower DU Layer. Additional material was removed and new DU Layer 6 samples were collected and being held pending civil survey confirming lateral/vertical limits achieved. Confirmation samples from DU5 was shipped to the lab.
 - 7.D.4. DU 1, Layer 4 appears to exceed the clean up goal but USAACE has indicated that their interpretation is that the layer meets the criteria. It is the USACE who ultimately determines compliance with the clean up goals. USACE has requested

that Plexus indicate that the confirmation samples pass. There was discussion several weeks ago on the potential use of Bi-214. Need to establish specifically when and how an alternate to the Ra-226 (186KeV) will be used.

A tiered approach will be used when there is an exceedance for Ra-226 based on the 186KeV. If there is an exceedance with the 186KeV, Bi-214 with an ingrowth adjustment will be used. Seems that the material is comingled with FUSRAP waste, so it doesn't take much U-235 to get an exceedance. Would like to use an ingrowth adjustment on the Bi-214. Jack will draft a summary for USACE acceptance. USACE concurs.

Has Plexus thought of using ISOCS to scan samples before shipping off site? Typically, we're not going to have a problem. Plexus will discuss this possibility off line.

E. Area E:

- 7.E.1. 90% excavated.
- 7.E.2. Some DU samples were collected prior to survey and are in storage.
- 7.E.3. Requires additional excavation and survey to determine if confirmation samples collected the week of 7/29 are in the correct location.

F. Area F:

- 7.F.1. Excavated.
- 7.F.2. Re-surveyed 9/13. One area appears to require additional excavation to attain vertical minimum of 5 feet.

Plexus provided survey info to USACE and USACE looked at this area of F and indicated that it's apparent that the sidewall collapsed. Everyone spoken to on site agrees that the area was dug sufficiently deep enough. USACE believes that the survey recently taken isn't representative of what was done. It's a problem area with wood and other material falling in. USACE is inclined to say that no additional exaction is need and will get info to Plexus.

G. Area G:

7.G.1. Ready for excavation

H. Area H:

7.H.1. Ready for excavation

- 8. Upcoming Week's Activities
 - A. Continue excavation of Area D. Possibly move to F (if needed) and A, B and C to finish.
- 9. Other Items/Open Discussion
 - A. USACE GIS person, can we get surveyor to get more data points in the area and to contour the surfaces, preferably with depths.
 - B. Excavation C only few spot elevations in the bottom
 - C. Excavation F only one floor elevation.
 - D. USACE wants a higher density of survey points so volume can be calculated.
 - E. Plexus noted that Excavation D has not been completed yet, so that may explain why there are very few floor data points.
 - F. USACE will want to have another discussion for volume quantities.

Weekly Project Meeting Minutes October 1, 2019





1. Safety

- A. No safety issues.
- B. will be off Thursday and Friday this week. will be the replacement SSHO. credentials have been provided to USACE.
- 2. Quality Control
 - A. Daily reports are complete through 9/26.
 - B. CQCSM this week and next.
- 3. Significant Issues
 - A. Stabilization of waste: mixing at 20-31% to attain acceptable stability. Free liquids still present in IMCs resulting from condensation, residual liquids in IMC, or precipitation infiltration, however the waste remains a consistency acceptable for shipment. USACE has communicated this to ERS who's indicated that this free liquid is acceptable. Additionally, the compliance sample is taken from the top of the load upon arrival and that should indicate that the material will pass paint filter.
- 4. Air Monitoring
 - A. Last week's air monitoring report was issued and submitted via RMS. USACE provided some comments via email for reports moving forward.
- 5. IMCs
 - A. 19 IMCs on site at end of week last week.
 - B. 23 Filled last week.
 - C. 21 Shipped off site last week.
 - D. Total of 151 shipped off site through last week.

- E. Currently have 21 on site. Should have 159 shipped off site by the end of today.
- F. Some o the new IMCs that are being delivered are peppered with holes. Several IMCs have had to be emptied after discovery of hole after filling.

6. Water Management

- A. Four frac tanks release from site. Two frac tanks and the weir tank remain.
- B. Moved from Excavation D to A/B area.
- C. Dewatering is going well and has kept us moving.

7. Excavation Areas Summary (A through H)

A. Area A:

- 7.A.1. Excavated additional soil in north west and south east corners to attain min 5 ft depth at planned lateral limits.
- 7.A.2. Re-surveyed on 9/27.
- 7.A.3. Based on quick review, this area appears to have met the lateral and vertical requirements.

B. Area B:

- 7.B.1. Excavated additional soil to attain min 5 ft depth at planned lateral limits.
- 7.B.2. Re-surveyed on 9/27.
- 7.B.3. A review of the data indicates that Area B requires additional excavation. The data was reviewed with USACE yesterday and the image will be provided today.

C. Area C:

- 7.C.1. Excavated south east floor to attain vertical limit within planned limits of excavation
- 7.C.2. Re-surveyed on 9/27.
- 7.C.3. Based on quick review, this area appears to have met the lateral and vertical requirements.

D. Area D:

- 7.D.1. Excavated western area.
- 7.D.2. Re-surveyed on 9/24.
- 7.D.3. Survey results indicate toe of slope is deeper but within the limits of excavation. Additional excavation is underway.
- 7.D.4. Received USACE acceptance to over-excavated DU 2. Area to be excavated needs to be marked out in the field for concurrence.

E. Area E:

- 7.E.1. 90% excavated.
- 7.E.2. Some DU samples were collected prior to survey and are in storage.
- 7.E.3. Requires additional excavation and survey to determine if confirmation samples collected the week of 7/29 are in the correct location.

F. Area F:

7.F.1. Excavated.

- 7.F.2. USACE accepted draft demonstration of achievement of excavation limits. Awaiting formal request to backfill.
- G. Area G:
 - 7.G.1. Ready for excavation
- H. Area H:
 - 7.H.1. Ready for excavation
- 8. Upcoming Week's Activities
 - A. Move back to excavation of Area D to address western lobe. Move to Area E and continue excavation.
- 9. Other Items/Open Discussion
 - A. Measurement and payment: USACE indicates that the backfill package is insufficient for calculating the volume removed and that contours are required for the excavations. Plexus has indicated that USACE and Plexus have had this discussion a few times; the backfill package is what was requested by USACE for backfill approval and is not being used for measurement and payment. Different information will be submitted for measurement and payment. However, USACE has been provided the survey points for their use.

Weekly Project Meeting Minutes October 8, 2019



- 1. Safety
 - A. was replaced by for Thursday and Friday last week.
 - B. has returned and is on site this week.
- 2. Quality Control
 - A. Daily reports are complete through 10/6.
 - B. CQCSM this week and will be on site next week.
- 3. Significant Issues
 - A. Stabilization of waste: Several IMCs were filled without Calciment® because the material was visibly dry and was excavated from above the standing water. This is being noted because IMCs are being received with significant amounts of water in them. USACE is going to send something to Kansas City/ Dave Ardito (ERS) about water infiltrating through the lids. It has been observed that the lids also contain water that pours out when tilted.
 - B. No IMCs have been emptied at US Ecology yet so there is no available feedback on the consistency of the material shipped so far.
 - C. USACE will be responding to Plexus's email regarding the mixing of waste outside of the excavation are.
- 4. Air Monitoring
 - A. Revision to the placement of air monitoring units was submitted to USACE Monday in an effort to expand the coverage of the perimeter monitoring units to allow for backfilling operations in an adjacent group of excavations. Response from the USACE is pending and should be provide today.
- 5. IMCs

- A. 21 IMCs on site at end of week last week.
- B. 21 Filled last week.
- C. 18 Shipped off site last week.
- D. Total of 169 shipped off site through last week.
- E. As of end of day Monday, there are 49 empty IMCs available
- F. No IMCs have been off loaded at US Ecology; their crane is broken. NO time table on when off loading will occur.
- G. USACE emailed out n assessment of the number of IMCs needed fro this point forward. Plexus is in general agreement with the USACE's conclusion albeit there are still several unknowns that may impact the number of IMCs needed.
- H. USACE indicated that the return trip of empty IMC was less than a week so it's expected to be a week for IMCs to return once dumped.
- I. USACE requested additional manifests from ERS as well as additional liners.

- A. Daily water samples are being collected. First results are expected soon, and they will be provided to USACE when received.
- B. with NYSDEC has been made aware that site operations are occurring and may clear his schedule to inspect the site.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Backfill request will be issued this week.
 - B. Area B:
 - 7.B.1. Hard clay was encountered in the north, west and center of the excavation, the clay was believed to be native material. Additional excavation was performed in these areas and the area was resurveyed. Survey data was received late Monday and has not been evaluated yet. Based on field observations, it is believed that this area has reached the required limits. If excavation limits are confirmed with the survey, then a backfill request will be submitted this week.
 - C. Area C:
 - 7.C.1. Backfill request will be issued this week.
 - D. Area D:
 - 7.D.1. Western side was excavated to reach lateral and vertical limits.
 - 7.D.2. Confirmation samples were collected from DU3 and 4, L6, DU7, 8, and 9 all layers. However, confirmation results from DU 5 were received that prompted a review of the screening value. The screening value was revised (approved yesterday) and DU9 will be over excavated based on the revised screening level.
 - 7.D.3. DU2 and DU 5 were planned for over-excavation based on failed confirmation samples. That excavation took place yesterday.
 - 7.D.4. Next re-survey is planned for tomorrow afternoon.
 - E. Area E:
 - 7.E.1. No change. About 90% excavated.
 - F. Area F:

- 7.F.1. Revised backfill request will be issued this week.
- 7.F.2. USACE indicated that the draft request for F does not indicate that only 2 feet of stone is allowed at the bottom of the excavation.
- G. Area G:
 - 7.G.1. Ready for excavation
- H. Area H:
 - 7.H.1. Ready for excavation
- 8. Upcoming Week's Activities
 - A. Completed excavation of all of Area D. Area E, time permitting.
- 9. Other Items/Open Discussion
 - A. Saturday work has been communicated to the Town. The Mayor is OK with working Saturdays.
 - B. An updated project schedule is needed to accompany any pay requests. The schedule needs to show project completion.
 - C. Extended work hours to 5 pm has been approved. Yellow Iron work hours are 7am to 5pn now. Saturday hours will be 8am to 5pm.
 - D. Plexus indicated that they will not work this Saturday but are likely to work the next two.

Weekly Project Meeting Minutes October 15, 2019

Attendees:



Safety

- A. A significant number of cardboard boxes are being generated from the liners creating a housekeeping issue. Current recycling capabilities are insufficient therefore a roll off container is being procured to address this.
 - 1.A.1. USACE there will also be a lot of silt fence and orange fence that needs to be cleaned up.
- B. A couple of safety inspections revealed that the fencing around excavations are loose. The fencing was tightened during the inspections.
- C. USACE sent an email on Sunday regarding Calciment® pile being uncovered. Shane went out a fixed it. Moving forward this needs to be better addressed each day. Shane is now including an inspection of the Calciment® pile each day and on the weekends.
- D. Excavation Area E has strong petroleum odor. When inside the excavation sampling, running continuous sampling rather than every 15 min. USACE observed chunk of asphalt and no sheen on water.

2. Quality Control

- A. Daily reports for last week need uploading of daily documents to compete. Last week's daily reports will be completed this week.
- B. Ali Sadrieh CQCSM this week and Patrick Reilley will return next week.

3. Significant Issues

- A. Stabilization of waste: Any info on the stability of waste for the IMCs received so far?
 - 3.A.1. Received call from ERS to say that the 2 rail cars are coming back. Feedback, the IMCs were a little sloppier than they would like. Might have been a little lite on Calciment®. None required re-processing. 5-6 rail cars still pending unloading.

4. Air Monitoring

- A. Received USACE approval to modify air monitors.
- B. Revised weekly air monitoring reports were provided last week. These need to be uploaded to RMS.

5. IMCs

- A. 20 IMCs on site at end of week last week.
- B. 38 Filled last week.
- C. 28 Shipped off site last week.
- D. Total of 197 shipped off site through last week.
- E. Empty IMCs remain as of this morning: 4-5 on site, 2 of which need repairs to be picked up today and returned tomorrow. 5 others at Price need repair. Most are missing "J" hooks which are special order items. These are all of the available IMCs.
- F. When will empty IMC be returning? Might not see them this week.

- A. Daily pump down typically 1-1/2 hour. Pumped Area E into Area D today to let settle out solids.
- B. Daily water samples are being collected. Discharge point look good. Rock keeping ground stable.
- C. USACE indicated that EnSol appears to have added more material that's impacting pipes behind the landfill. Plexus inspected and the pipes seems fine. It appears that the boulders observed by USACE are the same boulder from before.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Backfill request remains under USACE review.
 - B. Area B:
 - 7.B.1. Civil survey shows that Area B has reached lateral and vertical limits. Survey image provided to USACE last week in hard copy.
 - C. Area C:
 - 7.C.1. Backfill request remains under USACE review.
 - D. Area D:
 - 7.D.1. Western side was excavated and has reached lateral and vertical limits.
 - 7.D.2. Confirmation samples results for DU1, 3 and 4, L6, and several DU 8 layers have been received and will be submitted via RMS later today.
 - 7.D.3. Over-excavation of DU2 and DU 5 due to confirmation sample failure has been completed.
 - 7.D.4. Residual contamination above the field screening criteria is present along the southern side wall. Over excavation to chase this material has been occurring. In the south eastern lobe, the excavation has progressed as far as is can without cutting off the haul road to Areas A, B and C.
 - 7.D.5. There are still fairly large areas along the southern wall that requires excavation.
 - E. Area E:
 - 7.E.1. Material was stabilized in the excavation last week. Removal of stabilized material occurring.

- 7.E.2. Started to chase impacted material today beyond the lateral limits towards the monitoring well. Chasing is being performed because of exceedance of field screening results.
- 7.E.3. USACE will get back to Plexus on the SOW requirements regarding monitoring wells.
- F. Area F:
 - 7.F.1. Revised backfill request remains under USACE review.
- G. Area G:
 - 7.G.1. Ready for excavation.
 - 7.G.2. Additional topo taken to show road bed and additional topo internal to the area.
- H. Area H:
 - 7.H.1. Ready for excavation
- 8. Upcoming Week's Activities
 - A. Completed excavation of Area E. Go back to Area D to continue chasing contamination. Begin Excavation of Area G pending availability of IMCs. Begin backfill if approved. USACE should have backfill approval COB today or tomorrow.
- 9. Other Items/Open Discussion
 - A. None.

Weekly Project Meeting Minutes



1. Safety

- A. Roll off containers have been brought in for recycling materials and waste.
- B. The large tree between Areas D and E was removed for safety reasons.
- C. As backfilling occurs, fences are being removed and replaced with caution tape once excavations are less than 4 feet deep.

2. Quality Control

- A. Daily reports for last week are up to date.
- B. CQCSM this week and will be CQCSM next week, returning the week after that (week of Nov 4).

3. Significant Issues

- A. Lack of IMCs: There are 2 rail cars in Buffalo that they are trying to get to Price. Should get there today with delivery of empty IMCs starting tomorrow. Price has been asked to delivery 2 at a time to get the site back to 21 on site.
- B. Condition of last IMCs: Three IMCs still under going repairs. Nearly half of the additional 21 IMCs added to the contract were rejected. Returning IMCs containing water is an ongoing issue. Many of the returning IMCs have 40-50 gallons of water in them. We will continue to need to decant the water at the CRZ.

4. Air Monitoring

A. Revised weekly air monitoring reports were provided last week. These need to be uploaded to RMS.

5. IMCs

- A. 1 empty & damaged IMC on site at end of week last week.
- B. 14 Filled last week.
- C. 25 Shipped off site last week.
- D. Total of 223 shipped off site through last week.
- E. A total of 225 currently.
- F. A new volume estimate spreadsheet was sent yesterday.

- A. Daily water samples only being collected when dewatering is occurring. De watering only occurred a few days last week.
- B. USACE wanted to know it the frac tanks have remaining capacity to receive water from two pumps. DNT indicted that there is additional capacity; only one of the frac tanks is currently being used.
- C. Dewatering of Area D will likely take a half day. Dewatering will likely begin the day before because once pumped down, it is easier to maintain the water level over multiple days. Dewatering likely to occur tomorrow while backfilling Area F.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Backfill started.
 - B. Area B:
 - 7.B.1. Backfill request under USACE review. USACE has requested internal comments by COB or earlier today.
 - C. Area C:
 - 7.C.1. Backfill started.
 - D. Area D:
 - 7.D.1. Over-excavation due to elevated field screening still needs to be done on the southern wall. Some areas cannot be dug back any further due to infringement on the access road.
 - 7.D.2. Decision Unit 9 confirmation results indicate exceedance of cleanup goals. Stepout plan accepted by USACE.
 - 7.D.3. Email will go out today that the step out sample for DU2 failed on L5 and L6.
 - 7.D.4. Hank Spector asked if Jack Buddenbaum was on the line (he was not). Does the ingrowth factor account for radon that could be present in the interstitial space of the sample, even after processing, that would result in an over estimation of the radium? Plexus indicated that Jack would give Hank a call to discuss. Mark Legeza indicated that in order to answer that question, additional lab analysis is likely required.
 - E. Area E:
 - 7.E.1. Preliminary review of civil survey indicates the lateral and vertical limits have been reached.
 - F. Area F:
 - 7.F.1. Approved for backfill.
 - G. Area G:
 - 7.G.1. Ready for excavation
 - H. Area H:
 - 7.H.1. Ready for excavation
- 8. Upcoming Week's Activities
 - A. Completed backfill of Areas A, C and F, possibly B if approved. Excavate area D DU9, DU2 step out and chase elevated readings if IMCs become available.

B. Moving forward we plan to work Saturday's, however the final decision won't likely be made until Friday.

9. Other Items/Open Discussion

A. Schedule: How late can site operations go before weather becomes a serious issue? USACE indicated that after Thanksgiving, freezing temperatures will be an issue, mainly with pumping water and frozen ground. A schedule was submitted with the recent pay estimate and Plexus is currently behind that schedule due to IMCs. Plexus indicated that we need to keep in mind that the long pole is the analytical results which take a week to receive, plus any time for USACE to review backfill requests before backfilling can occur. USACE would discuss internally whether Plexus would be allowed to begin excavation of Area H.

Weekly Project Meeting Minutes October 29, 2019



Safety

- A. Several sections of orange fencing around Area D have degraded and require replacement. DNT replaced Monday.
- B. This weekend expecting 60mph winds. Plan fence for repair.
- C. departing Wednesday retuning Sunday.
- D. filling role of SSHO. Hand held dust meter and multigas meter if entering Area D.

2. Quality Control

- A. Daily reports for last week are up to date.
- B. (week of Nov 4). back week after that
- C. Compaction testing ongoing. Tests take a few days to get up loaded and downloaded for inclusion in daily report but are verbally reported at the time of the test.
- D. Reviewed backfill procedures with Jeff and John to make sure no more than 2 feet of stone is put into the excavation.

3. Significant Issues

- A. Lack of IMCs. The last available IMCs were filled on Saturday.
- B. One empty IMC delivered. Will take the damaged one today and repair/return tomorrow.
- C. Five rail cars in the Buffalo area with empty IMCs.
- D. Received word that additional loads are requiring additional processing. So far only informed of one load. Jeff Rowley to obtain more detailed info. Seems like it's either leaking lids or condensation from Calciment[®]. USACE sees no reason to change the current process. Many of the recent IMCs have been untreated because soil was from above the water.

- E. Many of the IMCs received on Turn 3 have been damaged and/or contained not insignificant amounts of water. DNT decanting the IMCs. Appreciate work on site with the damaged IMCs. Seems that IMCs are being damaged during unload. About a dozen have needed repair.
- 4. Air Monitoring
 - A. Only one day of intrusive activities last week, so work area monitoring data will only be present for that one day.
 - B. Multiple Air Monitoring reports submitted via RMS.
- 5. IMCs
 - A. 1 empty & damaged IMC on site at end of week last week.
 - B. 15 Filled last week.
 - C. 6 Shipped off site last week.
 - D. Total of 228 shipped off site through last week.
 - E. 1 picked up today 10 full on site today still. 239 total to date. Still need 12-13 rail cars to return for estimated volume in G & H. 10-11 from this point on are still needed.
 - F. IMC characterization results submitted via email.
- 6. Water Management
 - A. Daily water samples only being collected when dewatering is occurring. De watering occurred Wednesday, Thursday, Friday and Saturday but water was only discharged on Friday and Saturday. Wednesday and Thursday water was contained in a 20,000 frac tank.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Awaiting final grading.
 - B. Area B:
 - 7.B.1. Awaiting final grading.
 - C. Area C:
 - 7.C.1. Awaiting final grading.
 - D. Area D:
 - 7.D.1. Over-excavation due to elevated field screening continues to be done on the southern wall. Areas that couldn't be dug back any further due to infringement on the access road have been dug back now that A, B and C are backfilled.
 - 7.D.2. Decision Unit 14 (west of DU 12) was excavated on Friday and Saturday. DU sampled yesterday.
 - 7.D.3. Partial backfill request was approved today.
 - E. Area E:
 - 7.E.1. DU4 L1 required step out due to failed confirmation sample. Over excavation occurred on Saturday. DU sampled yesterday.
 - 7.E.2. Partial backfill request was approved today.
 - F. Area F:
 - 7.F.1. Awaiting final grading.
 - G. Area G:
 - 7.G.1. Ready for excavation

- H. Area H:
 - 7.H.1. Ready for excavation
- 8. Upcoming Week's Activities
 - A. Final grade backfill Areas A, B and C. Continue over excavation in area D if IMCs become available.
 - B. Continue backfill of D and E.
- 9. Other Items/Open Discussion
 - A. USACE requested additional topo for Area G taken a week or so ago.
 - B. Regarding soil confirmation sample analysis USACE asked:
 - 9.B.1. Does Plexus have confidence on the longer ingrowth period? Yes delay at lab resulted in longer ingrowth.
 - 9.B.2. Is there greater confidence with the 5 day TAT? Yes, still a conservative approach. The ingrowth of Bi-214 is supported with an accepted research paper. Confident on the value.
 - 9.B.3. Any plan to change TAT? Not at this time, looking to maintain rapid TAT to have field work proceed but will assess.

Weekly Project Meeting Minutes November 5, 2019

Attendees:



1. Safety

- A. New employees arriving are providing certifications and being in-briefed.
- B. Port-a-pot tipped over on Friday in the wind. The unit needs to be either cleaned or replaced and should be anchored against the wind.
- C. SSHO has been keeping an eye on the excavator and the proximity to the sidewall, keeping Rad Techs away from the sidewall during excavation activities.

2. Quality Control

- A. Daily reports for last week are up to date with the exception of 10/28 which requires action on USACE part.
- B. (week of Nov 11). returning the week after that

3. Significant Issues

A. None.

4. Air Monitoring

- A. Air monitoring reports up to date.
- B. Relocation of northern PAMP unit was necessitated by swampy site conditions. The unit was moved approximately 30 yards west.
- C. CHP, in review of recent air report data noticed that a formula for subtraction of background on the spreadsheet for alpha/beta analysis was mistakenly modified. A review of past results indicate that there is no substantive impact to the results previously reported (meaning all past results are still below action levels). CHP will review and revise past reports with correct formula.

5. IMCs

A. 12 IMCs delivered last week.

- B. No IMCs were filled last week.
- C. 7 Shipped off site last week.
- D. There are now 21 IMCs on site as of today.
- E. USACE indicated that a separate internal discussion is needed to discuss the ERS email from today regarding nearing the T&D contractor's contract limit. USACE will have a better idea of the number of IMCs needed for completion once Area D is completed and Area G is started.
- F. ERS indicated that they have invoices for 77 of the 134 IMCs shipped to day on Phase 2. Of those 4 were considered wet. Invoiced weights continue to be less than manifest weights with a couple of the IMCs that were substantially lighter than the manifested weight, on the order of 3-4 tons.
- 6. Water Management
 - A. Daily water samples continue to be collected. Currently at sample number 55 at the end of last week.
 - B. Analytical results through TLVP-WWA-39 have been provided to USACE.
 - C. Water management practice for future work will be to pump from Area G into Area D which will be pumped to the treatment unit.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Awaiting final grading.
 - B. Area B:
 - 7.B.1. Awaiting final grading.
 - C. Area C:
 - 7.C.1. Awaiting final grading.
 - D. Area D:
 - 7.D.1. No activity last week.
 - 7.D.2. Over-excavation due to elevated field screening continues to be done on the southern wall. Areas that couldn't be dug back any further due to infringement on the access road have been dug back now that A, B and C are backfilled.
 - 7.D.3. Decision Unit 14 (west of DU 12) sample results due late today. Wil have longer ingrowth (likely 3-5 days) due to weekend.
 - 7.D.4. Partial backfill request was approved for all areas except the working southern sidewall.
 - E. Area E:
 - 7.E.1. DU4 L1 step out was over excavated and sampled last week. Confirmation sample results due late today. Will have longer ingrowth (likely 3-5 days) due to weekend.
 - 7.E.2. Partial backfill request was approved and the area is mostly backfilled. Small area to the west remains to be backfilled and tested.
 - F. Area F:
 - 7.F.1. Awaiting final grading.
 - G. Area G:
 - 7.G.1. Ready for excavation

H. Area H:

7.H.1. Ready for excavation

- 8. Upcoming Week's Activities
 - A. Continue over-excavation in Area D.
 - B. Begin backfill of D.
 - C. Submit backfill request for Area E pending step out confirmation sample results.
- 9. Other Items/Open Discussion
 - A. Revised project schedule for the September invoice assumed a field completion at Thanksgiving. Plexus is currently planning for the project to continue until Dec 16.
 - B. Final volume calculations for Areas A, B, C and F were submitted by Plexus and are under USACE review. USACE GIS had several questions that the COR asked to be put in writing to be provided to Plexus. Some requests included identifying the toe of slope and top of slope/limit of excavation. USACE questioned what date was used for the limits. Plexus explained that various dates were used to find the deepest extent material was excavated. USACE PM to schedule a conference call to discuss volume calculations. Plexus committed to sending a revised data set that included point descriptions.
 - C. USACE let Plexus know that there may be reduced USACE staff assigned to the project due to the Federal Budget being on a Continuing Resolution. Site work should be able to continue uninterrupted but USACE technical staff may not be available.
 - D. USACE initiated a discussion on cold weather preparedness for the pumping operations. Plexus indicated that they are preparing for cold weather stating tonight since the weather forecast is for sub-zero overnight temperatures starting tonight through Monday. Pipes and pumps will be drained. Biggest concern will be when daytime temperatures do not get above freezing because the pumps are self-priming which discharges a small amount of water to maintain the pump seal and that discharge may be susceptible to freezing.

Weekly Project Meeting Minutes November 12, 2019



1. Safety

- A. Two subcontractor new employees were briefed in last week.
- B. Moved CRZ to Area G and expanded that area to relieve congestion in the vicinity of the excavation.
- C. Any visitors Current focus on weather. Some paths have been cleared, holes have been filled. There are lots of tripping hazards under the snow.
- D. Contractor's responsibility to clear the path to the trailers, not just walked on to pack the snow this includes CRZ entrances need to be cleared before operations. Suggest salt too because daytime will be warm and overnight freeze. Paths to trailers and other are being cleared as well as areas of the CRZ that are inaccessible to the skid steer.
- E. Snow Emergency protocol had impending sever winter storm yesterday. Typically think about closing early to avoid pandemonium of traffic. Closed up yesterday at 3pm, might have been too late per USACE. USACE will consult with Plexus on when to close down the site in any future emergencies. USACE did that yesterday with T&D, Price (among other factors) decided to wait until today to delivery IMCs.

2. Quality Control

 Daily reports for last week are up to date through Friday. DQCR for 10/28 also fin 	O IIIIaiizet	Idlize	mai	11119	<i>-</i> '	30	uı		-0	'	"																				aı	1 \ C									
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В.	on site as CQCSM	this week,	is returning the week after that
	(week of Nov 18).	will be on si	site November 25 and 26. Plan is to work

- Monday and Tuesday, off Wednesday returning Sunday evening for start of work on Monday. on site he entire week to check excavations as needed.
- C. Backfill and compaction in freezing weather a concern this week. Anticipating a break in the weather to allow for placement of backfill and compaction.
- D. Initial backfill material exhausted, retaining what is left as topsoil for D, G and H. Alternate material submitted for approval. USACE requested more detailed report. Per DNT, EnSol has indicated that what has been provided (in addition to data provided to Plexus which has not yet been provide to USACE) is all that NYSDEC requires and there is no higher level of reporting available. USACE indicate to submit the additional info and they will review.

3. Significant Issues

- A. IMCs. Blasdell not listed on rail report as a current location, only Buffalo. Per USACE, 7-8 will be delivered today from a rail car that arrived yesterday. One more rail car is expected to arrive tomorrow morning and Price is ready to transport those containers to the site. From Buffalo it typically takes some time to get to Blasdell. USACE will track how the cars move from Buffalo to Blasdell.
 Currently the rail report shows 5 cars in route to Buffalo now. Car #15 or 16 have not
 - Currently the rail report shows 5 cars in route to Buffalo now. Car #15 or 16 have not yet turned back to Buffalo.
- B. Plexus requests that on bills of laden from Tundra, include time of delivery. USACE says they have been tracking drop off and pickup times on the form.
- C. After today, how many cars are in the loop coming back? The rail report shows 4 as interchanged in Buffalo, 1 more in Bison headed to Blasdell, 6 as placed actual in Blasdell 1 of which unloaded yesterday and 1 scheduled for tomorrow. USACE need to call Price to get details, but it looks like plenty will be available to get through G but need more for H. Looking ahead, if 6-7 IMCs are filled today then G will be completed today (pending chasing of elevated areas). DNT assumes 56 IMCs to complete without chasing. USACE assumes 50 for Area H.
- D. The rail car requested (and expected tomorrow) may not show up until late afternoon tomorrow.
- E. Today, filling of the 1st box started at 10am after taking over plowing operations by EnSol who was trying to plow with big dozer without a cutting blade without success. Had DNT not taken over the IMCs would have sat at the end of the road unable to be delivered.
- F. The access road down the landfill's north side may be an area of concern. Freeze-thaw could make it icy. DNT scraped the road down to rock and had no issues. DNT has salt on site and more rock that can be added if needed.
- G. is notifying the security folks know about slick road.

4. Air Monitoring

A. Note that the dust track units in both the perimeter locations and the work area locations have a specified working temperature range of 0-50 degrees Celsius. Plexus contacted the supplier of the perimeter units who indicated that they have had success keeping the units running using hand warms inside the housing boxes. The work area monitors do not have housings so the units were placed into their shipping containers and tubing was added to the inlet to reach the exterior. Hand warmers were added to

- both the perimeter units and the work are units. However, there may be missing data due to weather conditions. Note that the Hi-volume and low-volume samplers still operate so radionuclide results will still be available.
- B. USACE was reviewing past air monitoring reports and indicated that there are comments that need to be addressed. Older air reports still need updating, awaiting USACE comments to make a single change.
 - 4.B.1. Just the one high-level explanation Need a little more specificity on exceedances. USACE to provide comment to Plexus.
- C. Relocation of several perimeter air monitoring units to cover area G and H was developed. Submitted to USACE this week. USACE had some internal discussion but overall ok with the plan, will get a response out.

5. IMCs

- A. 22 IMCs delivered last week.
- B. 28 IMCs were filled last week.
- C. 16 Shipped off site last week.
- D. 1 IMC was removed last week for repair. Currently 3 IMCs in need of repair.
- 6. Water Management
 - A. Daily water samples continue to be collected. Currently at sample number 59 at the end of last week.
 - B. Analytical results through TLVP-WWA-50 are available and will be provided to USACE this week.
 - C. Pumps and discharge lines are drained at the end of each day in preparation for overnight freezing temps.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Awaiting final grading.
 - B. Area B:
 - 7.B.1. Awaiting final grading.
 - C. Area C:
 - 7.C.1. Awaiting final grading.
 - D. Area D:
 - 7.D.1. Chasing of elevated readings ended last week. Last three DUs were sampled and shipped. Results are expected Tuesday/Wednesday this week.
 - E. Area E:
 - 7.E.1. Confirmation results form DU4 L1 Step Out were received and backfill request was made to USACE. Awaiting backfill approval.
 - 7.E.2. Remainder of Area E was backfilled and tested last week.
 - F. Area F:
 - 7.F.1. Awaiting final grading.
 - G. Area G:
 - 7.G.1. Excavation started.

- 7.G.2. Elevated readings were encountered on the western sidewall at a depth of about 3.5 feet bgs in an area about 15 feet long, however the full extent is unknown due to active excavation along the sidewall.
- 7.G.3. Readings were in the 150-170k counts per minute with collimated NaI detector.
- H. Area H:
 - 7.H.1. Ready for excavation
- 8. Upcoming Week's Activities
 - A. Continue excavation in Area G and chase as necessary
 - B. No planned backfill in Area D due to freezing weather.
 - C. Submit backfill request for Area D pending confirmation sample results.
- 9. Other Items/Open Discussion
 - A. Had conference call with USACE GIS regarding volumes. Additional information requested was provided this week.
 - B. ISOCS The ISCOS unit had some issues with the snow yesterday and is having some stabilization issues today. ISOCS readings may be a slower process as a result.

Weekly Project Meeting Minutes November 19, 2019



1. Safety

- A. Beginning of the week was met with 8-9 inches of snow. Snow clearing activities were performed to get roads open to the excavation area. Special attention was paid to the road down the north side of the landfill.
- B. Cold weather precautions were taken. Workers given area for warming breaks.
- C. Reviewing last week's meeting minutes. USACE does not like the inference that DNT was taking over EnSol's plowing operation. Snow removal within Plexus area's are Plexus's responsibility. In the future Plexus needs to communicate to USACE before taking over EnSol's operation so the USACE can address the issue.

2. Quality Control

- A. Daily reports for last week are up to date through Thursday.
- B. (week of Nov 24 & 25). Returning Monday.
- C. Weather this week appears conducive for backfilling and compaction and excavating/loading.

3. Significant Issues

A. IMC availability. Last week and the week prior the availability of IMCs has been impacting the production on site. Lack of IMCs and slow delivery of IMCs make productivity a challenge.

- B. Current availability of IMCs: 1 rail car was unloaded yesterday, 2 more will be unloaded today, 2 more at Buffalo interchange. Probably take a day or 2 to get to Price's yard. 2 more, the last two, have been released from Willis, will take about a week to get to the site. Should have 35 available on site or at Price's yard by the end of the week. Should have 20 empty on site by end of tomorrow. Total of 49 empty IMCs plus 4 repaired for 53 available for remainder of the project.
- C. Weight capacity target should be 17 tons. Some went out at 14 tons last week. 18 tons has been shown to be too much, a little over 17 is ok. Indications of over weight are when truck tires come up off the ground.
- D. Plexus noted that material consistency was an issue in Area G. Bucket counts vary as a result. Most of the boxes were adjusted. Some IMCs had to be off loaded to reduce weight. Plexus should be able to load out at 18 tons (legal load), but the problem is a crane issue at Price's yard being able to lift those cans.
- E. Regarding the plan to load IMCs: Area G was not productive due to availability of IMCs. 90% of the primary excavation was competed in 2 days, then it took 3-4 days to chase and loadout the remaining material because IMCs were coming in slow. Today we are focusing on Area D backfill. Once sufficient IMCs are on site we can aggressively complete Area H. USACE wants to see a steady state of filling a removing IMCs. Too many IMCs filled at once can't be removed from the site.

4. Air Monitoring

A. Air Monitoring Report up to date.

5. IMCs

- A. 23 IMCs delivered last week.
- B. 22 IMCs were filled last week.
- C. 19 Shipped off site last week.
- D. 6 IMCs were removed last week for repair. All 6 that were removed have been repaired and returned, maybe one that hasn't returned. Received 4 repaired IMCs before unloading new cars.
- E. Recent issues are that the lids were damaged during off-loading and won't open completely. Repairs can be done fairly quickly locally.

6. Water Management

- A. No water samples needed last week.
- B. Pumps and discharge lines were drained in preparation for overnight freezing temps.
- C. USACE requests that the pump placement for Area H be away from houses if possible.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Awaiting final grading.
 - B. Area B:
 - 7.B.1. Awaiting final grading.
 - C. Area C:
 - 7.C.1. Awaiting final grading.
 - D. Area D:

- 7.D.1. Excavation completed. Awaiting USACE approval of backfill request. USACE has provided verbal approval.
- 7.D.2. Backfill started on previously approved portions.
- E. Area E:
 - 7.E.1. Backfill complete.
 - 7.E.2. Awaiting final grading.
- F. Area F:
 - 7.F.1. Awaiting final grading.
- G. Area G:
 - 7.G.1. Excavation nearly complete.
 - 7.G.2. Three DU samples collected.
 - 7.G.3. 3 to 4 DUs remain to be sampled.
 - 7.G.4. Excavation expanded to the west and southeast due to elevated field screening readings. Reading ranged from the mid-teens cpm to about 150K cpm.
- H. Area H:
 - 7.H.1. Ready for excavation.
 - 7.H.2. Be aware of perimeter road around landfill. The road is an access road for the power company. May need to allow power company access. Need to have the ability, if the power company gives us notice, to have access through the area.
- 8. Upcoming Week's Activities
 - A. Continue backfill of Area D.
 - B. Complete excavation of Area G and collect remaining DU samples.
 - C. Begin excavation of Area H.
- 9. Other Items/Open Discussion
 - A. Demobilization activities that need further discussion:
 - 9.A.1. Seeding and mulch
 - 9.A.2. Disposal of solids from water treatment system
 - 9.A.2.1. DNT had suggested using a vac tanker to haul solids to Michigan.
 - 9.A.2.2. May start to pump straight through bag filters, skipping the weir and frac tank, allowing the removal of the units.
 - 9.A.2.3. USACE requested that whatever Plexus wants to do should be put out as a proposal.
 - 9.A.3. Incremental inspections (e.g., Areas A, B and C)
 - 9.A.4. Removal of trailers
 - 9.A.5. Final gamma walkover
 - 9.A.6. Storage areas and haul roads

Weekly Project Meeting Minutes November 26, 2019

Attendees:



1. Safety

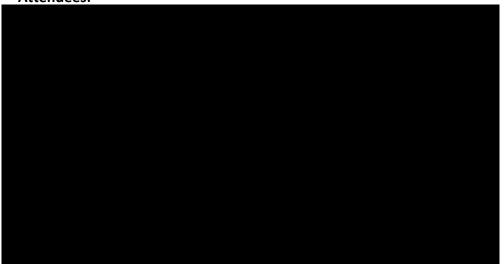
- A. The CRZ for Area H was moved to the top of the landfill to allow for better access control and to relieve congestion in the work area.
- 2. Quality Control
 - A. Daily reports for last week are up to date through Saturday.
 - B. is on site as CQCSM this week and is returning the week after that (week of Dec 2). will be on site the week of Dec 9 and returns the week of Dec 16.
- 3. Significant Issues
 - A. IMC availability. At the end of today all available IMCs will have been filled. When will additional IMCs be available on site?
 - B. USACE is working with the T&D Contractor. There may be 1-2 additional rail cars available. Plexus should have 1 IMC today, Rail car #15 is in Buffalo right now and it's up to Price to get us the last car late this week of early next.
 - C. Plexus will hear from USACE today on what to do with respect to taking over T&D.
 - D. Plexus noted that the longest lead item on them taking over T&D is waste profile acceptance by US Ecology.
- 4. Air Monitoring
 - A. Last Air Monitoring Report was for last week was submitted.
- 5. IMCs
 - A. 24 IMCs delivered last week.

- B. 21 IMCs were filled last week.
- C. 23 Shipped off site last week.
- D. Expecting 1 empty IMC to be delivered today which is the last empty container other than one that needs repair. USACE should hear from ERS about the release of rail car #15. Those IMCs should show up Monday-Tuesday next week.
- 6. Water Management
 - A. Water samples were collected 4 days last week.
 - B. Clean out of the frac and weir tanks is planned for next week after backfill of Area G. Will discharge sludges into Area H for solidification. Treatment will continue through bag filters prior to discharge for the remainder of the project.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Awaiting final grading.
 - B. Area B:
 - 7.B.1. Awaiting final grading.
 - C. Area C:
 - 7.C.1. Awaiting final grading.
 - D. Area D:
 - 7.D.1. Excavation completed. USACE provided approval of backfill request.
 - 7.D.2. Continued backfilling.
 - E. Area E:
 - 7.E.1. Backfill complete.
 - 7.E.2. Awaiting final grading.
 - F. Area F:
 - 7.F.1. Awaiting final grading.
 - G. Area G:
 - 7.G.1. Excavation completed.
 - 7.G.2. Two interim civil surveys performed. One high spot, to be addressed this week and re-surveyed.
 - 7.G.3. Four DU samples collected for a total of seven DU. Result expected after COB today. Will issue a backfill request after sample results indicate achievement of cleanup goal and field confirmation of additional excavation of high spot in Area G.
 - H. Area H:
 - 7.H.1. Excavation started. Filled 23 as of COB Monday and should have 5 more today for a total of 28 out of the area.
- 8. Upcoming Week's Activities
 - A. Continue backfill of Area D and possibly G.
 - B. Continue excavation of Area H.
 - C. Clean out the weir tank and frac tanks.
- 9. Other Items/Open Discussion
 - A. Demobilization activities:
 - 9.A.1. Seeding and mulch Plexus may place a winter rye mix at demobilization and reseed in the spring.

- 9.A.2. Disposal of solids from water treatment system
- 9.A.3. Incremental inspections (e.g., Areas A, B and C)
- 9.A.4. Removal of trailers
- 9.A.5. Final gamma walkover
- 9.A.6. Need to approach the Town about the status of the gravel in the storage areas and on the haul road (e.g., stockpiled, left in place, removed from site, etc.)
- B. USACE has received several requests about needing access to the perimeter road around the landfill. Both Solar Liberty and the power company have asked. Plexus will need to work with these folks to allow access through the CRZ should they need access.

Weekly Project Meeting Minutes
December 3, 2019





1. Safety

- A. Short week, last week. No safety issues.
- B. Slips trips, frozen ground and ruts.
- C. ERS's transporter arrived on site at 8am to drop one empty IMC and pick up one full IMC. When picking up the full IMC a hydraulic line failed. No injuries. The T&D Contractor will be contacted about potential spill.

2. Quality Control

- A. Daily reports for last week are up to date through Sunday.
- B. is on site as CQCSM this week. is returning the week after that (week of Dec 9) followed by the week of Dec 16.

3. Significant Issues

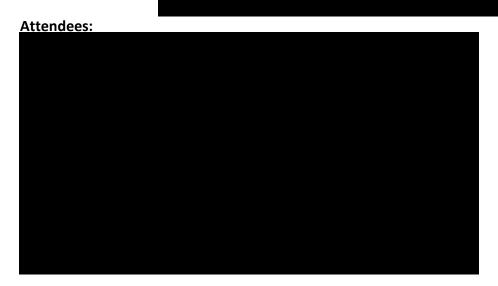
- A. IMC availability. All available IMCs have been filled.
- B. Today we've received 1 IMC, giving us 2 IMCs on site. Still 6 more to be delivered. Possibly 3 today. At the mercy of the transport company.
- C. USACE working with contracting department to get a modification on T&D to Plexus. Should hear from contracting today. Likely will say to order containers and finish T&D aspect of the project. USACE asked if Plexus was still anticipating 14 total IMCs remaining. Yes, still anticipate 14.
- D. What is the status of a modification for above base quantities? Will get with contracting to get those going. Should have something by tomorrow.

- 4. Air Monitoring
 - A. Air Monitoring Report for last week is pending.
 - B. No air today, still snow covered.
- 5. IMCs
 - A. 24 IMCs delivered last week.
 - B. 10 IMCs were filled last week.
 - C. 8 Shipped off site last week.
 - D. 18 Filled IMCs on site.
 - E. 1 empty IMC on site as of the end of last week.
 - F. Currently 2 empty IMCs on site.
- 6. Water Management
 - A. No dewatering was performed last week therefore no water samples were collected.
 - B. Clean out of the frac and weir tanks is planned for this week. Will discharge sludges into Area H for solidification. Treatment will continue through bag filters prior to discharge for the remainder of the project.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Awaiting final grading. Ground frozen this week and cannot be worked.
 - B. Area B:
 - 7.B.1. Awaiting final grading. Ground frozen this week and cannot be worked.
 - C. Area C:
 - 7.C.1. Awaiting final grading. Ground frozen this week and cannot be worked.
 - D. Area D:
 - 7.D.1. Excavation completed. USACE provided approval of backfill request.
 - 7.D.2. Continued backfilling.
 - 7.D.3. Ground frozen this week and cannot be worked.
 - E. Area E:
 - 7.E.1. Backfill complete.
 - 7.E.2. Awaiting final grading. Ground frozen this week and cannot be worked.
 - F. Area F:
 - 7.F.1. Awaiting final grading. Ground frozen this week and cannot be worked.
 - G. Area G:
 - 7.G.1. Excavation completed.
 - 7.G.2. Received result for all DU last week. Communicated with USACE that it appears two DU layers exceeded clean up goals after application of the 2-tiered approach. Requested Lab to re-analyze these two samples for a longer in growth period. Anticipate results on Tuesday.
 - H. Area H:
 - 7.H.1. Filled 10 IMCs last week. Visual assessment is that approximately 14 more IMCs may be needed to complete the area.
 - 7.H.2. 2 DU sampled last week. Results expected later this week.
- 8. Upcoming Week's Activities
 - A. Continue backfill of Area D, possibly partial backfill of G (weather permitting).

- B. Continue excavation of Area H pending availability of IMCs.
- C. Final grade Areas A, B, and C (weather permitting but not likely).
- D. Clean weir and frac tanks (weather permitting but not likely).
- E. Re-locate bag filters to FUSRAP area.
- 9. Other Items/Open Discussion
 - A. Demobilization activities:
 - 9.A.1. Status of gravel in storage areas and any haul road that may remain.
 - 9.A.2. Seeding and mulch
 - 9.A.3. Incremental inspections (e.g., Areas A, B and C)
 - 9.A.4. Removal of trailers
 - 9.A.5. Final gamma walkover
 - B. Status of US Ecology approval: Have emailed Tim Curtin twice without response.

 USACE offered to contact Tim to help move things along. Plexus indicated that lack of containers is the primary issue. Waste profile approval is secondary to getting the material out of the ground. Filled containers have sat on site for several days in the past.

Weekly Project Meeting Minutes December 10, 2019



- 1. Safety
 - A. During periods of cold weather, care must be taken to ensure PPE is on (e.g., hard hat).
- 2. Quality Control
 - A. Daily reports for last week are up to date through Thursday.
 - B. on site as CQCSM this week. is returning the week of Dec 16 which should be the last week of field work this season.
- 3. Significant Issues
 - A. Acceptance paperwork into U.S. Ecology pending. Need to schedule transport of containers.
- 4. Air Monitoring
 - A. Air Monitoring Report for last week and the week of Thanksgiving were provided today.
- 5. IMCs
 - A. 7 IMCs and 6 tarped roll-offs delivered last week.
 - B. 4 IMCs and 3 roll-offs were filled last week.
 - C. 18 Shipped off site last week.
 - D. 7 Filled IMCs on site.
 - E. 4 empty IMCs, 3 empty roll-offs on site.
 - F. USACE received a call from ERS about the IMCs and requested that the IMCs be filled as a priority.
- 6. Water Management

- A. Dewatering was performed last week from Area H into G therefore no water samples were collected.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. Performed some minor re-grading to promote drainage during winter demobe.
 - B. Area B:
 - 7.B.1. Performed some minor re-grading to promote drainage during winter demobe.
 - C. Area C:
 - 7.C.1. Performed some minor re-grading to promote drainage during winter demobe.
 - D. Area D:
 - 7.D.1. Performed some additional backfilling to promote drainage during winter demobe.
 - 7.D.2. Continued backfilling.
 - E. Area E:
 - 7.E.1. Backfill complete.
 - 7.E.2. Awaiting final grading.
 - F. Area F:
 - 7.F.1. Awaiting final grading.
 - G. Area G:
 - 7.G.1. Partial backfill request was made. Awaiting USACE approval.
 - 7.G.2. Analytical results for re-analyzed soils indicate cleanup goals were met. Backfill request for complete backfill to be submitted.
 - H. Area H:
 - 7.H.1. Filled 7 containers (4 IMC, 3 roll-offs) last week. Visual assessment is that approximately 3-5 more containers may be needed to complete the area.
 - I. USACE requested that Plexus provide a plan for the interim demobilization that identifies how the excavations will be left of the winter.
 - 7.I.1. Excavations 3-4 feet deep may be left open over the winter.
 - J. USACE requested that Plexus provide a schedule for the spring re-mobilization.
- 8. Upcoming Week's Activities
 - A. Empty weir and frac tanks, solidifying the solids for disposal.
 - B. Complete excavation of Area H.
 - C. Continue demobilization activities.
- 9. Other Items/Open Discussion
 - A. USACE has not exercised the addition options that Plexus requested yet. Plexus's current assessment is that all three remaining options need to be exercised for material already removed and that more material beyond the options was also removed.
 - B. For work in the Spring, there may be an issue with the contract period of performance. That discussion can be looked into later.

Weekly Project Meeting Minutes December 17, 2019

Attendees:



1. Safety

- A. No safety events last week.
- B. Traffic on the landfill is still high with the electric company, Solar Liberty and EnSol. Keep an eye on the traffic.
- C. Use spotters outside the vehicle when loading and unloading equipment for demobilization.
- D. Project was completed thus far without incident and one near miss. Thanks to the Corps for the diligence in bringing safety issues to our attention. Thanks to DNT and crew for quickly correcting deficiencies pointed out and generally performing in a safe manner. Largest hazard the whole job was the lids on the IMCs. All IMCs are gone and off the site now, only soft-topped roll-offs remain

2. Quality Control

- A. Daily reports for last week are up to date through Friday.
- B. is on site as CQCSM this week. This will be the last week of field work this season.
- C. It is possible that there may still be materials/supplies to be picked up on Saturday.
- 3. Significant Issues
 - A. None.
- 4. Air Monitoring

- A. Below freezing temperatures and snow/rain affecting the dust monitors so data may not be available for each day last week. Filter samples were still collected when dust monitors were not functioning poperly.
- B. Plexus requested that since all excavations have the floors covered and the side walls have been shown to be clean, in addition to snow cover and freezing temperatures if use of the perimeter monitoring systems can be terminated. USACE agreed.

5. IMCs

- A. 4 IMCs and 1 tarped roll-off filled last week.
- B. 8 IMCs were shipped off site last week.
- C. 4 Filled roll-offs on site.
- D. No empty IMCs, 2 empty roll-offs on site.
- E. 2 Roll-offs were picked up yesterday for transport to US Ecology, the remaining full containers and empty containers are scheduled to be off site by the end of the week.
- 6. Water Management
 - A. Dewatering was performed last week from Area G, one water samples was collected.
 - B. No additional water management is anticipated; Area G ahs been backfilled above the water line and the limited water in Area H was bridged with stone.
- 7. Excavation Areas Summary (A through H)
 - A. Area A:
 - 7.A.1. No work done. Re-grading will be done in the spring.
 - B. Area B:
 - 7.B.1. No work done. Re-grading will be done in the spring.
 - C. Area C:
 - 7.C.1. No work done. Re-grading will be done in the spring.
 - D. Area D:
 - 7.D.1. No work done. Re-grading will be done in the spring.
 - E. Area E
 - 7.E.1. No work done. Re-grading will be done in the spring.
 - F. Area F:
 - 7.F.1. No work done. Re-grading will be done in the spring.
 - G. Area G:
 - 7.G.1. Partial backfill request was made. Received verbal USACE approval, awaiting formal USACE approval.
 - H. Area H:
 - 7.H.1. Filled 5 containers (4 IMC, 1 roll-off) last week. Excavation complete.
 - 7.H.2. Received remaining DU sample results and provided to USACE. All results appear to be below cleanup goals.
 - 7.H.3. Backfill request was submitted yesterday (Monday).
 - 7.H.4. Note that there is one location within Area H where the corner point is about ½ foot from the planned limit of excavation. This is within the 12 inch limit set by USACE.
 - I. Both G & H are planned to be overfilled about a foot above grade to account for future settling over the winter.

- 8. Upcoming Week's Activities
 - A. Backfill Areas G & H
 - B. Continue demobilization activities.
 - 8.B.1. Remove crane mats
 - 8.B.2. Scan and release site trailers, equipment, and supplies
 - 8.B.3. Remove site trailers, hose/piping, pumps, and heavy equipment.
 - 8.B.4. Sanitary facilities to be removed next week
 - C. There is a potential that some equipment/supplies may need to be removed on Saturday. Plexus will notify Bryan if Saturday work is needed.
- 9. Other Items/Open Discussion
 - A. Last meeting planned for 12/24. Meeting will be lightly attended. Jeff Rowley will contact Plexus at the end of the week to get an up date and again after the first of the year to discuss spring re-mobilization plans.
 - B. Plexus is working on a spring re-mobilization plan to be provided to the USACE.
 - C. Jeff Rowley to notify the Town that hydrants are no longer needed.

