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ANCHOR QEA

Weekly Summary Report

Project Name:	Gasco Sediments Site ISS Field Pilot Study		
Project No:	000029-02.85	**Report Date:**	November 7, 2023
Week of:	October 30, 2023	**Report No:**	8

Weekly Summary

Item	Approximate Production This Week	Approximate Total Cumulative Production	Approximate Task Percent Completion
Mobilization activities	NA	NA	100%
Dolphin pile removal	NA	NA	100%
Debris removal	0 cy	16 cy	100%
ISS auguring	0 columns	47 columns	>100%[1]
Swell material removal	0 cy	191 cy	NA[2]

Notes:

1. The task percent complete for in situ stabilization and solidification (ISS) auguring is based on the Work Plan-identified goal of 29 columns.
2. Long-term sampling port leveling: The U.S. Environmental Protection Agency (EPA)-approved Work Plan states, "If necessary, small-scale regrading of the target sampling locations may be performed by the swell materials removal excavator or divers to prepare a surface that is as flat and level as practicably possible," but the Work Plan does not provide a specific removal volume.

Work Performed This Period

Monday (10/30/2023)

Continued demobilization activities. ISS-treated materials barge staged at the construction area awaiting final disposal suitability testing results and landfill acceptance of the materials.

Tuesday (10/31/2023)

Continued demobilization activities. Advanced American Construction dive team performed a post-construction inspection of the Siltronic outfall to document no impacts during construction. ISS-treated materials barge staged at the construction area awaiting final disposal suitability testing results and landfill acceptance of the materials.

Wednesday (11/1/2023)

No in-water work was performed. Mixed Portland cement into ISS-treated materials on swell materials removal barge. Collected 5-point composite sample for disposal suitability testing. ISS-treated materials barge staged at the construction area awaiting final disposal suitability testing results and landfill acceptance of the materials.

Thursday (11/2/2023) No in-water work was performed.
Friday (11/3/2023) No in-water work was performed.
Saturday (11/4/2023) No in-water work was performed.

Water Quality Monitoring
Monday (10/30/2023) The sheen management area was returned to non-construction monitoring protocols. US Ecology will resume weekly inspections and sheen observations consistent with the pre-construction requirements.
Tuesday (10/31/2023) No work was performed.
Wednesday (11/1/2023) No turbidity plumes or sheens were observed at work area during sediment mixing on the swell materials removal barge, and all work was performed and contained within the barge.
Thursday (11/2/2023) No work was performed.
Friday (11/3/2023) No work was performed.
Saturday (11/4/2023) No work was performed.
Findings: No water quality field or chemical parameter monitoring activities occurred.

Scheduled Construction Work This Week (Next Reporting Week)
Completion of the ISS-treated material disposal suitability testing and subsequent landfill acceptance of the materials. Transport, offloading, and disposal of the ISS-treated material at the accepted landfill, which will complete the remainder of the Work Plan scope of work.

Problems Encountered and Contingency Actions Implemented
ISS-treated material disposal suitability characterization was performed on ISS-treated materials with some comingled untreated material that had deposited into the post-construction depressions created by the ISS. Initial toxicity characteristic leaching procedure (TCLP) volatile organic compound (VOC) analysis was performed on October 30, 2023, with a benzene elutriate concentration of 0.506 milligrams per liter (mg/L). This concentration exceeded the TCLP benzene limit of 0.5 mg/L. However, the method blank contained detected concentrations of benzene, so a re-extraction for TCLP VOC was performed due to this data quality issue. The re-extracted TCLP VOC analysis was performed on October 31, 2023, with a benzene elutriate concentration of 0.426 mg/L. This concentration did not exceed the TCLP benzene limit of 0.5 mg/L. However, the laboratory performed a duplicate TCLP VOC analysis with a benzene elutriate concentration of 0.522 mg/L, which exceeds the limit. Due to the duplicate sample concentration exceeding the TCLP benzene limit, on-site ex situ treatment of the materials via addition of Portland cement was performed on November 1, 2023, and another 5-point composite sample was collected for TCLP VOC analyses. The parent TCLP benzene concentration was 0.469 mg/L, just below the 0.5-mg/L criteria, but again, the duplicate concentration was 0.520 mg/L, just above the criteria. Additional samples will be collected on November 6, 2023. If the TCLP benzene concentration is below the TCLP limit, the material will be disposed at the Wasco County Landfill. If the TCLP benzene concentration exceeds the TCLP limit, additional treatment will be performed to further reduce the leachable benzene concentrations below the limit. The water-tight haul barge is being moored at the work area pending approval of the disposal suitability by the landfill.

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Attachments:	None		

Photographs

Photograph 1

Excavator barge and swell materials removal barge staged at the site outside of construction area pending waste characterization results and eventual transport off site for disposal (10/31/2023).

Photograph 2

Mixing Portland cement in removed ISS-treated materials stored on Barge No. 7 and collection of 5-point composite sample for TCLP VOC analyses (11/1/2023).

Photograph 3

Flying 2-ton super sacks of Portland cement into swell materials removal barge (11/1/2023).

Photograph 4

Long-term sampling ports staged in uplands (11/1/2023).