REDACTED

From: Nik Bacher <nbacher@anchorqea.com>
Sent: Thursday, March 23, 2023 1:49 PM
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Cc: Bob Wyatt <rjw@nwnatural.com>; Patricia Dost <pdost@pearllegalgroup.com>; Ryan Barth <rbarth@anchorqea.com>; Jen Mott <jmott@anchorqea.com>; Joe Smith <jsmith@anchorqea.com>; Billie-Jo Gauley <bgauley@anchorqea.com>; Crystal, Mike <mdcrystal@sevenson.com>
Subject: Gasco Sediments Site Project Area Lab Pilot Treatability Investigation Daily Progress Report 03/22/2023

Hi Hunter,

The following is the March 22, 2023, daily progress report for the lab pilot treatability study investigation being conducted at the Gasco Sediments Site Project Area in accordance with the U.S. Environmental Protection Agency (EPA) conditionally approved *Revised In Situ Stabilization and Solidification Bench Scale Treatability Study Work Plan* and *Revised In Situ Stabilization and Solidification Bench Scale Treatability Study Work Plan Addendum* (both Anchor QEA 2023). This was the fourth day of the investigation.

Personnel On Site

- Nina Maas, Natalie Lynch, Hayley Sharkey, Sasha Norwood, James Melton, and Reed Peloquin (Anchor QEA, LLC); Randy Porter; Scott Unverzagt (Terra Hydr); Dale Dickinson; Dan Jackson (Marine Sampling Systems)
- Oversight: None
- Visitors: None

Subsurface Sediment Sampling Program - Collection

The following subsurface sediment locations were sampled:

- ISSTS-002 (6 cores are proposed at the location and 6 cores marked accepted below complete

the sampling at this location; note that the attempt #1 and #8 were slightly below the target 70% core penetration recovery but were accepted based on the rationale identified in forthcoming Field Change Request #1)

- Attempt # 1: 66% recovery, accepted
- Attempt # 2: 139% recovery, rejected (placed on hold for now).
- Attempt # 3: 78% recovery, accepted
- Attempt # 4: 70% recovery, accepted
- Attempt # 5: 91% recovery, accepted
- Attempt # 6: Refusal at 2 ft, rejected (no material retained)
- Attempt # 7: 34% recovery, rejected (placed on hold for now)
- Attempt # 8: 63% recovery, accepted
- Attempt # 9: 78% recovery, accepted
- Attempt # 10: 50% recovery, rejected (placed on hold for now)
- Attempt # 11: 56% recovery, rejected (placed on hold for now)
- Attempt # 12: 43% recovery, rejected (placed on hold for now)

Subsurface Sediment Sampling Program - Processing

- ISSTS-004 was processed in accordance with the Work Plan and Work Plan Addendum as follows:
  - Attempt # 1: Sampled from 4-8.8 ft. PTW-NAPL confirmed per Work Plan procedures.
  - Attempt # 2: Sampled from 4-8 ft. PTW-NAPL confirmed per Work Plan procedures.
  - Attempt # 3: Sampled from 6-10.1 ft. PTW-NAPL confirmed per Work Plan procedures.
  - Attempt # 4: Sampled from 4-8 ft. PTW-NAPL confirmed per Work Plan procedures.
  - Attempt # 6: Sampled from 6.8-9 ft. PTW-NAPL confirmed per Work Plan procedures.
  - Attempt # 8: Sampled from 6.9-10 ft. PTW-NAPL confirmed per Work Plan procedures.

Health and Safety

- No reportable incidents

Samples Shipped

- Samples were submitted to the laboratory today

Substantive Discussions with EPA Oversight

- None

Deviations

- None

Please let us know if you have any questions

Niklas Bacher, L.G., P.G.
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