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**From:** Nik Bacher <nbacher@anchorqea.com>

**Sent:** Friday, March 31, 2023 6:58 AM

**To:** Young, Hunter <young.hunter@epa.gov>; Peterson, Lance <petersonle@cdmsmith.com>

**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 Additional Depth of Contamination Characterization Investigation Daily Progress Report 03/30/2023

Hi Hunter,

The following is the March 30, 2023, daily progress report for the additional depth of contamination study investigation being conducted at the Gasco Sediments Site Project Area in accordance with the U.S. Environmental Protection Agency (EPA) approved *Revised Additional Dept of Contamination Characterization Addendum within the Gasco Sediment Site Project Area (Addendum)* dated March 1, 2023 (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); Allen Frasier (Diversified Marine); Jeffrey Johnson, Javier Anaviano, and Esteban Marquez (Holt Drilling)
- Oversight: Adam Khalaf, CDM Smith
- Visitors: None

#### **Subsurface Sediment Sampling Program**

- PDI-197 was advanced to a total depth of 35 ft below mudline and subsurface sediment were logged from 25-34.3 ft below mudline. Boring advanced approximately 30 ft off target location due to low water levels, in accordance with the Addendum. Samples were collected in accordance with the Addendum as follows:
  - Vertical Unbounded DOC prior to core collection: 27 ft below mudline
  - Observed DOC (based on visual and olfactory indicators) in PDI-197: 26.5 ft below mudline

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- Samples collected:
    - 27-28, 28-29, 29-30, 30-31, and 31-32 ft below mudline (selected for analysis)
    - 32-33 and 33-34.3 below mudline (archived, gaps in intervals selected adjusted to reflect recovery in each 5-ft boring advance)
  
- PDI-180 was advanced to a total depth of 25 ft below mudline and subsurface sediment were logged from 15-25 ft below mudline. Samples were collected in accordance with the Addendum as follows:
  - Vertical Unbounded DOC prior to core collection: 18.6 ft below mudline
  - Observed DOC (based on visual and olfactory indicators) in PDI-180: 20 ft below mudline
  - Samples collected:
    - 19-20, 20-21, 21-22, and 22-23 ft below mudline (selected for analysis)
    - 23-24 and 24-25 ft below mudline (archived)
  
- PDI-211 was advanced to a total depth of 20 ft below mudline and subsurface sediment were logged from 10-19.9 ft below mudline. Samples were collected in accordance with the Addendum as follows:
  - Vertical Unbounded DOC prior to core collection: 12 ft below mudline
  - Observed DOC (based on visual and olfactory indicators) in PDI-211: 12.9 ft below mudline
  - Samples collected:
    - 12-13, 13-14, 14-14.9, and 15-16 ft below mudline (selected for analysis, gaps in intervals selected adjusted to reflect recovery in each 5-ft boring advance)
    - 16-17 and 17-18 ft below mudline (archived)
  
- PDI-190 was advanced to a total depth of 25 ft below mudline and subsurface sediment were logged from 10-25 ft below mudline. Samples were collected in accordance with the Addendum as follows:
  - Vertical Unbounded DOC prior to core collection: 14 ft below mudline
  - Observed DOC (based on visual and olfactory indicators) in PDI-190: 16.2 ft below mudline
  - Samples collected:
    - 15-16, 16-17, 17-18, 18-18.5 ft below mudline (selected for analysis, gaps in intervals selected adjusted to reflect recovery in each 5-ft boring advance)
    - 20-21, 21-22, and 22-23 ft below mudline (archived)

### **Health and Safety**

- No reportable incidents

### **Samples Shipped**

- No samples were submitted to the laboratory today

### **Substantive Discussions with EPA Oversight**

- None

**Deviations**

- None

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

Director of Field Services  
Senior Managing Geologist

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**ANCHOR QEA,LLC**

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