

**REDACTED**

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**From:** Young, Hunter <Young.Hunter@epa.gov>  
**Sent:** Monday, September 11, 2023 11:41 AM  
**To:** Jen Mott <jmott@anchorqea.com>  
**Cc:** Patricia Dost <pdost@pearllegalgroup.com>; Peterson, Lance <petersonle@cdmsmith.com>; Azhar, Wardah <azharw@cdmsmith.com>; Ryan Barth <rbarth@anchorqea.com>; Joe Smith <jsmith@anchorqea.com>; Billie-Jo Gauley <bgauley@anchorqea.com>; Bob Wyatt <rjw@nwnatural.com>; Crystal, Mike <mdcrystal@sevenson.com>; Rob Ede <robe@hahnenv.com>  
**Subject:** RE: Gasco Sediments: In Situ Stabilization and Solidification Field Pilot Study Work Plan

All,

Thank you. EPA has no further comments.

Hunter Young  
U.S. Environmental Protection Agency  
Region 10 - Oregon Operations Office  
[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)  
(503)-326-5020

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**From:** Jen Mott <[jmott@anchorqea.com](mailto:jmott@anchorqea.com)>  
**Sent:** Monday, September 11, 2023 7:38 AM  
**To:** Young, Hunter <[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)>  
**Cc:** [pdost@pearllegalgroup.com](mailto:pdost@pearllegalgroup.com); Peterson, Lance <[petersonle@cdmsmith.com](mailto:petersonle@cdmsmith.com)>; Azhar, Wardah <[azharw@cdmsmith.com](mailto:azharw@cdmsmith.com)>; [rbarth@anchorqea.com](mailto:rbarth@anchorqea.com); Joe Smith <[jsmith@anchorqea.com](mailto:jsmith@anchorqea.com)>; Billie-Jo Gauley <[bgauley@anchorqea.com](mailto:bgauley@anchorqea.com)>; [rjw@nwnatural.com](mailto:rjw@nwnatural.com); Crystal, Mike <[mdcrystal@sevenson.com](mailto:mdcrystal@sevenson.com)>; [robe@hahnenv.com](mailto:robe@hahnenv.com)  
**Subject:** RE: Gasco Sediments: In Situ Stabilization and Solidification Field Pilot Study Work Plan

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**GASCO0052844**

deciding whether to open attachments or click on provided links.

Hunter,

Attached please find Severson Environmental Services responses to EPA's comments dated September 8, 2023 (see below email) on their Contractor Health and Safety Plan (CHASP) and the associated revised CHASP that addresses the comments. Please let us know if you have any additional feedback.

Regards.

Jen Mott  
Project Coordinator  
**Anchor QEA, LLC**  
[jmott@anchoragea.com](mailto:jmott@anchoragea.com)  
6720 S Macadam Ave, Suite 300, Portland, OR 97219  
(503) 972-5014

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**From:** Young, Hunter <[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)>  
**Sent:** Friday, September 8, 2023 8:47 AM  
**To:** Jen Mott <[jmott@anchoragea.com](mailto:jmott@anchoragea.com)>  
**Cc:** Patricia Dost <[pdost@pearllegalgroup.com](mailto:pdost@pearllegalgroup.com)>; Peterson, Lance <[peteronle@cdmsmith.com](mailto:peteronle@cdmsmith.com)>; Azhar, Wardah <[azharw@cdmsmith.com](mailto:azharw@cdmsmith.com)>; Ryan Barth <[rbarth@anchoragea.com](mailto:rbarth@anchoragea.com)>; Joe Smith <[jsmith@anchoragea.com](mailto:jsmith@anchoragea.com)>; Billie-Jo Gauley <[bgauley@anchoragea.com](mailto:bgauley@anchoragea.com)>; Bob Wyatt <[rjw@nwnatural.com](mailto:rjw@nwnatural.com)>; Crystal, Mike <[mcdcrystal@sevenson.com](mailto:mcdcrystal@sevenson.com)>; Rob Ede <[robe@hahnenv.com](mailto:robe@hahnenv.com)>  
**Subject:** RE: Gasco Sediments: In Situ Stabilization and Solidification Field Pilot Study Work Plan

Bob, Jen,

See attached for EPA's comments on the *Contractor Health and Safety Plan* prepared by Severson. Note that EPA does not approve health and safety plans, but reviews for completeness.

Thank you,

Hunter Young  
U.S. Environmental Protection Agency  
Region 10 - Oregon Operations Office  
[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)  
(503)-326-5020

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**From:** Jen Mott <[jmott@anchoragea.com](mailto:jmott@anchoragea.com)>

**GASCO0052845**

**Sent:** Monday, August 28, 2023 12:54 PM

**To:** Young, Hunter <[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)>

**Cc:** [pdost@pearllegalgroup.com](mailto:pdost@pearllegalgroup.com); Peterson, Lance <[petersonle@cdmsmith.com](mailto:petersonle@cdmsmith.com)>; Azhar, Wardah <[azharw@cdmsmith.com](mailto:azharw@cdmsmith.com)>; [rbarth@anchoragea.com](mailto:rbarth@anchoragea.com); Joe Smith <[jsmith@anchoragea.com](mailto:jsmith@anchoragea.com)>; Billie-Jo Gauley <[bgauley@anchoragea.com](mailto:bgauley@anchoragea.com)>; [rjw@nwnatural.com](mailto:rjw@nwnatural.com); Crystal, Mike <[mcrystal@sevenson.com](mailto:mcrystal@sevenson.com)>; [robe@hahnenv.com](mailto:robe@hahnenv.com)

**Subject:** RE: Gasco Sediments: In Situ Stabilization and Solidification Field Pilot Study Work Plan

Hunter,

Attached please find the *Contractor Health and Safety Plan* prepared by Severson Environmental Services, Inc.

The Anchor QEA Health and Safety Plan will be submitted to EPA tomorrow.

Jen Mott

Project Coordinator

**Anchor QEA, LLC**

[jmott@anchoragea.com](mailto:jmott@anchoragea.com)

6720 S Macadam Ave, Suite 300, Portland, OR 97219

(503) 972-5014

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**From:** Jen Mott

**Sent:** Monday, August 21, 2023 3:48 PM

**To:** 'Young, Hunter' <[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)>

**Cc:** Patricia Dost <[pdost@pearllegalgroup.com](mailto:pdost@pearllegalgroup.com)>; Peterson, Lance <[petersonle@cdmsmith.com](mailto:petersonle@cdmsmith.com)>; Azhar, Wardah <[azharw@cdmsmith.com](mailto:azharw@cdmsmith.com)>; Ryan Barth <[rbarth@anchoragea.com](mailto:rbarth@anchoragea.com)>; Joe Smith <[jsmith@anchoragea.com](mailto:jsmith@anchoragea.com)>; Billie-Jo Gauley <[bgauley@anchoragea.com](mailto:bgauley@anchoragea.com)>; Bob Wyatt <[rjw@nwnatural.com](mailto:rjw@nwnatural.com)>; Crystal, Mike <[mcrystal@sevenson.com](mailto:mcrystal@sevenson.com)>; Rob Ede <[robe@hahnenv.com](mailto:robe@hahnenv.com)>

**Subject:** RE: Gasco Sediments: In Situ Stabilization and Solidification Field Pilot Study Work Plan

Hunter,

The following email is provided on behalf of Ryan Barth.

Below please find the link to download the *Revised In Situ Stabilization and Solidification Field Pilot Study Work Plan* (Work Plan) prepared on behalf of NW Natural. The Work Plan was revised to address EPA's comments dated July 27, 2023, on the *In Situ Stabilization and Solidification Field Pilot Study Work Plan* dated June 9, 2023, for the Gasco Sediments Site Project Area.

 [2023-08-21 Gasco Sediments Revised ISS FPSWP](#)

NW Natural appreciates the U.S. Environmental Protection Agency's (EPA's) willingness to expedite review of the revised Work Plan. To achieve completion of the Work Plan in-water scope of work by the end of the in-water construction window on October 31, NW Natural

**GASCO0052846**

requests EPA approval of the Work Plan by Friday September 8. NW Natural's Design-build Team is available to discuss any questions or comments during EPA's review period to facilitate EPA's approval by that deadline.

Please let us know if you have any questions during your review or if you would like to hold a call to discuss anything.

Regards,  
Ryan

Jen Mott  
Project Coordinator  
**Anchor QEA, LLC**  
[jmott@anchoragea.com](mailto:jmott@anchoragea.com)  
6720 S Macadam Ave, Suite 300, Portland, OR 97219  
(503) 972-5014

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**From:** Young, Hunter <[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)>  
**Sent:** Thursday, July 27, 2023 10:22 AM  
**To:** Jen Mott <[jmott@anchoragea.com](mailto:jmott@anchoragea.com)>; Bob Wyatt <[rjw@nwnatural.com](mailto:rjw@nwnatural.com)>  
**Cc:** Patricia Dost <[pdost@pearllegalgroup.com](mailto:pdost@pearllegalgroup.com)>; Peterson, Lance <[peterstone@cdmsmith.com](mailto:peterstone@cdmsmith.com)>; Azhar, Wardah <[azharw@cdmsmith.com](mailto:azharw@cdmsmith.com)>; Ryan Barth <[rbarth@anchoragea.com](mailto:rbarth@anchoragea.com)>; Joe Smith <[jsmith@anchoragea.com](mailto:jsmith@anchoragea.com)>; Billie-Jo Gauley <[bgauley@anchoragea.com](mailto:bgauley@anchoragea.com)>; Crystal, Mike <[mcdcrystal@sevenson.com](mailto:mcdcrystal@sevenson.com)>; Rob Ede <[robe@hahnenv.com](mailto:robe@hahnenv.com)>; THOMAS Wesley \* DEQ <[wesley.thomas@deq.oregon.gov](mailto:wesley.thomas@deq.oregon.gov)>  
**Subject:** RE: Gasco Sediments: In Situ Stabilization and Solidification Field Pilot Study Work Plan

Bob,

See attached for EPA's comments on the *In Situ Stabilization and Solidification Field Pilot Study Work Plan*.

Let me know if you have any questions.

Hunter Young  
U.S. Environmental Protection Agency  
Region 10 - Oregon Operations Office  
[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)  
(503)-326-5020

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**From:** Jen Mott <[jmott@anchoragea.com](mailto:jmott@anchoragea.com)>  
**Sent:** Friday, June 9, 2023 3:37 PM

**GASCO0052847**

**To:** Young, Hunter <[Young.Hunter@epa.gov](mailto:Young.Hunter@epa.gov)>

**Cc:** [rjw@nwnatural.com](mailto:rjw@nwnatural.com); [pdost@pearllegalgroup.com](mailto:pdost@pearllegalgroup.com); Peterson, Lance <[peterstone@cdmsmith.com](mailto:peterstone@cdmsmith.com)>; Wardah Azhar <[azharw@cdmsmith.com](mailto:azharw@cdmsmith.com)>; [rbarth@anchoragea.com](mailto:rbarth@anchoragea.com); Joe Smith <[jsmith@anchoragea.com](mailto:jsmith@anchoragea.com)>; Billie-Jo Gauley <[bgauley@anchoragea.com](mailto:bgauley@anchoragea.com)>; Crystal, Mike <[mocrystal@sevenson.com](mailto:mocrystal@sevenson.com)>; [robe@hahnenv.com](mailto:robe@hahnenv.com)

**Subject:** Gasco Sediments: In Situ Stabilization and Solidification Field Pilot Study Work Plan

Hunter,


The following email is provided on behalf of Ryan Barth.

NW Natural appreciates the U.S. Environmental Protection Agency's (EPA's) willingness to expedite a field pilot study for detailed evaluation of in situ stabilization and solidification (ISS) treatment technology at the Gasco Sediments Site Project Area (Project Area). Below please find the link to download the *In Situ Stabilization and Solidification Field Pilot Study Work Plan* (Work Plan) prepared on behalf of NW Natural for EPA review. This Work Plan has been prepared by NW Natural's Design Team, which includes Anchor QEA, Sevenson Environmental Services, and Hahn and Associates. This Work Plan summarizes the proposed in situ stabilization and solidification field pilot study within a representative portion of the Project Area. The pilot study data and lessons learned will be used to allow the treatment technology, ISS, to be fully developed during remedial design. NW Natural would like to implement this field pilot study as soon as possible to 1) incorporate more detailed design information earlier in the design process (i.e., in the Interim Design) to support EPA's review and minimize the potential for substantive design changes during development of the Final Design; and 2) inform the means and methods elements of design and ensure Interim and Final Design documents can be produced without delay. To achieve implementation during the forthcoming 2023 in-water work window, we request EPA's feedback by the middle of July.

As always, please let us know if you have any questions during your review and/or would like to have a call/meeting to discuss anything.

Regards

Ryan

 [2023-06-09 Gasco Sediments ISS Field Pilot Study Work Plan](#)

Jen Mott

Project Coordinator

**Anchor QEA, LLC**

[jmott@anchoragea.com](mailto:jmott@anchoragea.com)

6720 S Macadam Ave, Suite 125, Portland, OR 97219

(503) 972-5014

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**GASCO0052848**