

NW Natural ISS Lab Pilot Treatability Study Investigation
Gasco Sediments Site – Spring 2023
Field Change Request Form

Project Name: Gasco Sediments Site **Subconsultant:** Marine Sampling Services

Field Activity: Treatability study core collection **Request Number:** 1

To: Hunter Young, U.S. Environmental Protection Agency **Date:** March 24, 2023

Field Change Request (FCR) Title: Treatability study core recovery deviation acceptance

Description
<p>Section 3.2.2 of the <i>Revised In Situ Stabilization and Solidification Bench Scale Treatability Field Sampling Plan</i> identifies a sediment core acceptability criterion of 70% core recovery and states that if refusal or poor recovery is consistently encountered during coring, a change will be discussed with the U.S. Environmental Protection Agency (EPA). The EPA-approved scope of work at location ISSTS-002 included the collection of six cores with an estimated target sample depth interval (to be adjusted as necessary in the field to achieve the target grain size and visual/olfactory signs of contamination) of 4 to 8 feet. The field crew collected a total of 12 cores at this location, and the core recoveries for each attempted core are summarized as follows:</p> <ul style="list-style-type: none">• Attempt 1: 66% recovery (subject to FCR 1 approval)• Attempt 2: 139% recovery, rejected• Attempt 3: 78% recovery, accepted• Attempt 4: 70% recovery, accepted• Attempt 5: 91% recovery, accepted• Attempt 6: Refusal at 2 feet and no sediments recovered, rejected• Attempt 7: 34% recovery, rejected• Attempt 8: 63% recovery (subject to FCR 1 approval)• Attempt 9: 78% recovery, accepted• Attempt 10: 50% recovery, rejected• Attempt 11: 56% recovery, rejected• Attempt 12: 43% recovery, rejected <p>Attempts 1 and 8 contained recovery just below the 70% criterion, but 9 feet and 8.6 feet, respectively, of sediment was recovered. These depths exceed the 8-foot bottom depth target sampling depth, so the sampling depth objective is achieved at both locations.</p>

Recommended Change
NW Natural recommends accepting the 66% and 63% core recovery depths at Attempts 1 and 8 and using these sediments for treatability testing.

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Nik Bacher

Respondent Field Coordinator (or Designee)



Signature

March 24, 2023

Date

Approval:

Ryan Barth

Respondent Project Lead



Signature

March 24, 2023

Date

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