

Campbell, Peter C (DEC)

From: Wilson, Craig <craig.wilson@stantec.com>
Sent: Tuesday, May 07, 2019 3:23 PM
To: Campbell, Peter C (DEC)
Subject: Fw: Chevron Trading Bay 2019 Work Plan

Hi Pete,

Sorry about the encryption, I'm having email issues today and routing all my email through my phone. Let me know if this also locks you out.

Craig

From: Wilson, Craig
Sent: Tuesday, May 7, 2019 2:58 PM
To: peter.campbell@alaska.gov
Cc: Mr. Kegan Boyer
Subject: Chevron Trading Bay 2019 Work Plan

Hi Pete,

We received your approval of the 2019 work plan for Trading Bay yesterday. Thank you for the quick turnaround. In response to the work plan approval conditions listed in your letter, we propose the following for our May 2019 field activities:

Grouting of boreholes. The SP16 boreholes on the beach will be grouted with a bentonite slurry following the GeoProbe SP16 Groundwater Sampler Standard Operating Procedure, generally meeting ASTM D 5299 and ADEC Monitoring Well Guidance, to the best extent practicable. The driller will attempt to grout each borehole but does not have high confidence that all boreholes will be fully grouted due to the small diameter of the tooling (1.65" O.D., 0.65" I.D.) and the sandy beach conditions.

Offshore plume identification boreholes/ sample locations. Borehole samples collected seaward of the upper GSI limit (generally the eastern edge of zone 3 as shown on Figure 2 of the work plan, approximately 22 of 40 proposed boreholes) will be tested for the following listed hydrocarbon subset (EPA Method 8260C):

- Benzene
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Ethylbenzene
- Isopropylbenzene (cumene)
- Naphthalene
- Toluene
- 1,2,4-Trimethylbenzene

- 1,3,5- Trimethylbenzene

- m,p-Xylene

- o-Xylene

This list of analytes is consistent with past ADEC practice at similar sites.

Pore water samples. Pore water samples will be analyzed for BTEX (EPA Method 8021) and SIM PAH (EPA Method 8270D). Discussion with the testing laboratory indicates that this will meet your intent of analyzing for TAH and TAqH while reducing the field collection time, allowing us to complete the sample collection during the upcoming spring tide cycle.

Monitoring well M-102D. We are unaware of any damage to this well. We are investigating and will respond as necessary. Please note that if well replacement is needed, the replacement will not be accomplished during this field activity as a drill rig light enough to safely operate in the tidal flats area is too small to re-establish M-102D. A separate dedicated field effort later in the season with a larger drill rig would be required.

Please advise if the above proposals are satisfactory to your needs.

Best regards,

Craig

Craig Wilson

Principal

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