



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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May 20, 2019

David Templeton
Anchor QEA LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

RE: Approval of the April 2019 Remedial Investigation Report, Public Review Draft, Duwamish Shipyard, Inc., prepared by Anchor QEA LLC.

Dear David Templeton:

The Washington State Department of Ecology (Ecology) has reviewed the April 2019 Public Review Draft, Remedial Investigation (RI) Report for the Duwamish Shipyard, Inc. site (Site). Ecology has determined that you have adequately addressed our comments; therefore, you may proceed with the feasibility study (FS).

Per our previous discussions on November 1, 2018, December 3, 2018 and March 5, 2019, the following two supplemental investigations need to be completed and submitted to Ecology as two additional supplemental RI memorandums. These two memorandums must be combined with the Public Review Draft RI for public review and comment.

- Tributyltin (TBT) supplemental investigation - TBT has been identified as an indicator chemical in sediment at the Site. However, because TBT was not listed as a chemical of concern (COC) in sediment in the Record of Decision for the Lower Duwamish Waterway (LDW) Superfund Site, a sediment cleanup level was not established. Therefore, supplemental investigation is required for development of a site-specific TBT sediment cleanup level. Please submit to Ecology for review and approval, a supplemental investigation work plan within 60 days of the date of this letter and prior to starting any field and/or lab work.
- Arsenic in groundwater - Additional sampling is needed to further characterize the arsenic contamination in groundwater in the southwest portion of the property to allow selection of a cleanup alternative. Please submit a sampling plan to Ecology within 60 days of the date of this letter for approval.

It should be noted that additional sampling might be required at the Site to refine the cleanup footprint of both horizontal and vertical extent during FS or pre-remedial design.



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Ecology understands that the supplemental work for developing the TBT sediment cleanup level will take some time. Therefore, Ecology asks that you proceed with the feasibility study for the upland portion of the Site. Separate deliverables are expected for the upland and sediment feasibility studies. Because this is a change from the March 2015 modified AO Schedule (Exhibit C to the AO); Ecology will work with you to amend the AO Schedule accordingly.

I look forward to continuing work with you on the cleanup of the Site. If you have any questions, feel free to contact me at (425) 649-4310.

Sincerely,



Jing Liu
Site Manager
NWRO Toxics Cleanup Program

ecc: Kim Maree Johannessen , Johannessen & Associates, P.S.
Kyle McCleary, Duwamish Shipyard, Inc.
Julia Fitts, Anchor QEA LLC
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