



Electronic Copy

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

12121 NE 99th Street, Suite 2100 ▪ Vancouver, Washington 98682 ▪ (360) 690-7171

December 18, 2018

Joe Aldridge
Remediation Director
NuStar Terminals Services, Inc.
19003 IH-10 West
San Antonio, TX 78257

Re: Ecology written approval of *Summary of Additional Field Activity at the NuStar Facility March through June 2018* (Well Assessment Report) dated November 6, 2018.

Dear Mr. Aldridge:

This is Ecology written approval of the above referenced Well Assessment report and it satisfies the intent of Ecology's request.

In November 2017, NuStar's consultant (Apex) encountered blue colored water in the soil vapor extraction (SVE) moisture knockout tank during operation and maintenance activities. The blue water was analyzed and determined to contain a high level of copper. In January 2018 Ecology was informed that copper had been detected in groundwater from a number of monitoring wells at the NuStar Port of Vancouver facility.

In February 2018, Ecology learned that NuStar was planning wellhead repair/replacement on several monitoring wells on the NuStar facility and Kinder Morgan operations area as part of their well operations and maintenance. Ecology requested a well assessment on the condition of the wells/monuments be performed prior to conducting repairs/replacement of the well monuments. Activities of the well assessment included, a visual inspection of wells and monuments, sampling and analyzing sediment from the wellhead boxes and sampling and analyzing sediment from the well casing bottoms as necessary. Ecology was in attendance with field staff from Apex and the Port of Vancouver's consultant (Parametrix). This information was helpful in evaluating wellhead condition and potential for surface water/sediment to enter the well monuments and wells. Ecology requested NuStar to prepare a summary report documenting these activities. Ecology appreciates NuStar cooperation and assistance with this exercise.

Please feel free to contact us with any questions regarding this issue.

NuStar Terminals Services, Inc.

Page 2

December 18, 2018

Sincerely,



Craig Rankine, RG, LHG
Cleanup Site Manager/Hydrogeologist
Toxics Cleanup Program
Vancouver Field Office



Andrew Smith, P.E.
Unit Supervisor Technical Support Unit
Toxics Cleanup Program
Southwest Regional Office

CR/TM

cc: Richard Roche, Parametrix Inc., Portland, OR
Patty Boyden, Port of Vancouver, Vancouver, WA
R.J. Sherman, Kinder Morgan Bulk Terminals, Inc., Carteret, NJ
Scott Heidegger, Kinder Morgan Bulk Terminals, Inc., Vancouver, WA
Amanda Spencer and Stephanie Salisbury, Cascadia Associates, LLC, Portland, OR
Kevin McCarty and Nate Hemphill, Antea Group, Portland, OR
Ecology Southwest Regional Office Records Center, Lacey, WA