

### **STATE OF WASHINGTON**

#### DEPARTMENT OF ECOLOGY

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

# October 22, 2020

Renee Robinson

Remediation Director

NuStar Terminals Services, Inc.

19003 IH-10 West

San Antonio, TX 78257

Re: Ecology response to January 6, 2020 NuStar response to Ecology’s initial response (May 17, 2019) on *Well Decommissioning, Well Installation and Well Monument Replacement Work Plan* dated May 17, 2019 for the NuStar Terminals Services, Inc., Vancouver Main Terminal at the Port of Vancouver, Ecology Facility Site Identification Number: 1026

Dear Renee Robinson:

This letter is Ecology’s response to the above referenced work plan.

Ecology is always concerned about losing monitoring points that can be used to obtain representable groundwater quality data.

**EX WELL**

The EX well was reported damaged and a licensed monitoring installation contractor confirmed it could not be repaired without likely compromising the well’s security. So EX was decommissioned on September 16, 2019. Ecology indicated a replacement well is needed as close as possible to the original well location. Ecology approves the proposed EX replacement well installation 3 to 5 feet to the east of the original EX well location in a line parallel with Columbia River shoreline.

A two-inch well casing is being proposed for the EX replacement well. Use of two-inch casing will not likely impact use of the well for continued monitoring so Ecology approves the use of two-inch diameter casing.

You have not provided a screen interval for the EX replacement well. Ecology is requesting the replacement well screen interval depth match the original screen depth of 19 to 44 feet bgs.

**EX-3, EX-4 and EX-5 WELLS**

Regarding redeveloping and sampling wells EX-3, EX-4 and EX-5 before decommissioning. Ecology agrees these wells are partially redundant with nearby shallower wells (MW-12, MW-13 and MGMS-1.) Being screened at 15 to 55 feet bgs they likely monitor the shallow and possibly some of the intermediate zone.

Ecology approves decommissioning EX-3, EX-4 and EX-5 wells. Rehabilitating or sampling these wells before decommissioning is not required.

**IN WELLS**

About rehabilitating the “IN” wells for sampling. Ecology is fine with decommissioning these wells as it appears considerable effort is needed to bring these wells up to speed for sampling and allow safe access. A better use of resources would be to install possible new wells, should any be required to access fertilizer product or metals in the unpaved area where the IN wells reside.

Please feel free to contact me with any questions regarding issues discussed above.

Sincerely,



Craig Rankine, RG, LHG

Cleanup Site Manager/Hydrogeologist

Toxics Cleanup Program

Vancouver Field Office

Southwest Regional Office

CR/DM

Enclosure

cc: Andrew Smith, SWRO Ecology

Patty Boyden, Port of Vancouver, Vancouver, WA

Richard Roche and Rick Malin, Parametrix Inc., Portland, OR

Amanda Spencer and Stephanie B. Salisbury, Cascadia Associates, LLC, Portland, OR

Kinder Morgan Bulk Terminals, LLC

R.J. Sherman, Carteret, NJ

Scott Heidegger, Vancouver, WA

Nate Hemphill and Kevin McCarthy, Antea Group, Portland OR

Ecology Southwest Regional Office Records Center, Lacey, WA