

REDACTED

From: THOMAS Wesley * DEQ <wesley.thomas@deq.oregon.gov>

Sent: Thursday, September 28, 2023 3:40 PM

To: Rob Ede <robe@hahnenv.com>

Cc: Tim.Murphy@nwnatural.com; Raspone, Corey <corey.raspone@nwnatural.com>; Greg.Landau@ccilt.com; Bob Wyatt <rjw@nwnatural.com>; Patricia Dost <pdost@pearllegalgroup.com>; Ryan Barth <rbarth@anchorqea.com>; Tim Stone <tstone@anchorqea.com>; Halah Voges <hvoges@anchorqea.com>; Byrd, William <wbyrd@sevenson.com>; Crystal, Mike <mdcrystal@sevenson.com>; Jen Mott <jmott@anchorqea.com>

Subject: RE: Portland LNG Compressor Equipment Foundation Needs, Gasco

Rob,

Thank you for sharing the information related to construction of a mat foundation on driven piles to support a new screw compressor and water/glycol cooler equipment at the LNG facility. We reviewed the information related to planned measures to mitigate the potential for contaminant drag down or conduit creation between the Fill WBZ and underlying Alluvium WBZ. As we discussed earlier today, if there is cathodic protection for the adjacent tank, the DEQ team recommends that NW Natural consider the potential for stray voltage to result in pitting on the steel piles. We do not require follow up from NW Natural on this recommendation.

DEQ does not have concerns with NW Natural proceeding with the mitigation measures described in the letter.

Thanks,

Wes

Wesley Thomas, P.E.

Project Manager/Environmental Engineer

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From: Rob Ede <robe@hahnenv.com>

Sent: Wednesday, September 13, 2023 10:21 AM

To: THOMAS Wesley * DEQ <wesley.thomas@deq.oregon.gov>

Cc: Tim.Murphy@nwnatural.com; Mr. Corey Raspone <corey.raspone@nwnatural.com>; Greg.Landau@ccilt.com; Mr. Bob Wyatt <rjw@nwnatural.com>; Ms. Patty Dost <pdost@pearllegalgroup.com>; Ryan Barth <rbarth@anchorgea.com>; Tim Stone <tstone@anchorgea.com>; Halah Voges <hvoges@anchorgea.com>; Chip Byrd <wbyrd@sevenson.com>; Mr. Mike Crystal <mdcrystal@sevenson.com>; Ms. Jen Mott <jmott@anchorgea.com>
Subject: Portland LNG Compressor Equipment Foundation Needs, Gasco

Hi Wes,

At the request of NW Natural, I'm forwarding a geotechnical evaluation report documenting foundation needs for proposed new screw compressor and water / glycol cooler equipment at the Portland LNG facility, which operates at the Former Gasco Manufactured Gas Plant (MGP) Operable Unit (OU). Based on soil conditions, environmental contamination, access limitations, vibration considerations, and structure type, the geotechnical evaluation concludes that a mat foundation on driven pipe piles is the most favorable support for the proposed Compressor Equipment.

Measures have been incorporated into the design to mitigate the potential for contaminant drag-down or conduit creation between the Fill WBZ and the underlying Alluvium WBZ as part of this foundation work as described in the attached. NW Natural would like to proceed with the planned foundation preparation work once all required city permitting is complete and is requesting DEQ concurrence to proceed with the mitigation measures described in this letter as part of that work.

Please feel free to be in touch with any questions or to discuss.

Thank you!

-Rob

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