NEW MEXICO
ENVIRONMENT DEPARTMENT

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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

December 21, 2020

Mr. Scott M. Denton
Environmental Manager
HollyFrontier Navajo Refining LLC
P.O. Box 159
Artesia, New Mexico 88211-0159

RE: APPROVAL WITH DIRECTION
EVALUATION OF SOIL FOR POTENTIAL REUSE –
TANK 22 AND TANK 23 FOUNDATION EXCAVATIONS
HOLLYFRONTIER NAVAJO REFINING LLC, ARTESIA REFINERY
EPA ID NO. NMD048918817
HWB-NRC-MISC

Dear Mr. Denton:

The New Mexico Environment Department (NMED) has reviewed HollyFrontier Navajo Refining LLC, Artesia Refinery's (the Permittee) letter, *Evaluation of Soil for Potential Reuse – Tank 22 and Tank 23*, dated October 29, 2020 and hereby issues this Approval with Direction.

The Permittee excavated soils as part of an expansion project within Area of Concern 3 (AOC 3, Southeast Tank Farm) for the foundations of Tanks 22 and 23. Excavation of the soil from the Tanks 22 and 23 was approximately 1,000 cubic yards of soil for each foundation site. The boundaries of the excavations of both foundations were approximately circular with diameters of 86.5 feet and depths of 5 feet. The Permittee collected one field composite soil sample, ten discrete soil samples and one field duplicate soil sample from Tanks 22 and 23 foundation sites.

Tank 22
Ten discrete samples and one field composite soil sample were analyzed for total petroleum

hydrocarbons (TPH) as gasoline range organics (GRO), benzene, toluene, ethylbenzene, total xylenes, methyl tert-butyl ether (MTBE) and naphthalene. The field duplicate soil sample was analyzed for TPH as diesel range organics (DRO) and motor oil range organics (ORO) and arsenic, lead, mercury, and selenium.

NMED has reviewed the laboratory analytical results for the Tank 22 composite, discrete and field duplicate soil samples and determined that the Permittee has demonstrated that the excavated soils are nonhazardous and do not contain concentrations of contaminants greater than the applicable soil screening levels (i.e., residential, industrial/occupational and construction worker). Therefore, NMED approves the Permittee's request to reuse the excavated soils as backfill or for the construction of secondary containment berms within the Refinery.

Tank 23

Ten discrete soil samples and one field composite soil sample were analyzed for total petroleum hydrocarbon (TPH) as gasoline range organics (GRO), benzene, toluene, ethylbenzene, total xylenes, methyl tert-butyl ether (MTBE) and naphthalene. The field duplicate soil sample was analyzed for TPH as diesel range organics (DRO) and motor oil range organics (ORO) and arsenic, lead, mercury, and selenium.

NMED has reviewed the laboratory analytical results for the Tank 23 composite, discrete and field duplicate soil samples and determined that the concentrations of soil analyzed for TPH are greater than the residential soil screening level. Therefore, NMED does not approve of the Permittee's request to reuse the excavated soils as backfill or for the construction of secondary containment berms within the active Refinery. The Permittee must properly dispose of the soils excavated from Tank 23 in accordance with the requirements of the December 2010 Post-Closure Care Permit.

For future soil reuse reports, NMED requests that the Permittee also include photographs of the final excavation site. Furthermore, the Permittee must ensure all analytical data are discussed and provided in the summary tables. For example, field duplicates for Tank 22 (T22-SPOILS-FD1) and Tank 23 (T23-SPOILS-FD1) were not included in Tables 1 through 4. In addition, the Permittee must include the analysis of synthetic precipitation leaching procedure (SPLP) if any of the soil samples exceed any of the soil screening levels. Additional SPLP analysis may be required to determine if the excavated soil can be reused for backfill or other construction activities at the Facility.

If you have any questions regarding this letter, please contact Leona Tsinnajinnie of my staff at (505) 476-6057.

Sincerely,

Dave Cobrain
Program Manager
Hazardous Waste Bureau

cc: L. Tsinnajinnie, NMED HWB
M. Suzuki, NMED HWB
C. Chavez, EMNRD OCD
R. Combs, HFNR LLC, Artesia Refinery
L. King, USEPA 6MM-RC

File: Reading File and NRC 2020, HWB-NRC-MISC

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COMMENTS

Action 19532

COMMENTS

Operator:	OGRID:	Action Number:	Action Type:
NAVAJO REFINING COMPANY LLC 100 Crescent Court, Suite 1600 Dallas, TX752016927	255554	19532	DISCHARGE PERMIT

Created By	Comment	Comment Date
cchavez	HWB 2020 NRC MISCEL 12-18-2020.	03/02/2021

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CONDITIONS

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CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
NAVAJO REFINING COMPANY LLC	100 Crescent Court, Suite 1600	Dallas, TX752016927	255554	19532	DISCHARGE PERMIT

OCD Reviewer	Condition
cchavez	None