

ENERGY TRANSFER MARKETING & TERMINALS, L.P.—MARCUS HOOK TERMINAL APPLICATION FOR PLAN APPROVAL NO. 23-0119K PLAIN LANGUAGE SUMMARY

*This summary was created with links to supplemental material.
A digital version is available on www.dep.pa.gov/ETMT*

Energy Transfer Marketing & Terminals, L.P. (ETMT; formerly Sunoco Partners Marketing & Terminals, L.P. [SPMT]), processes, stores, and distributes natural gas liquids (NGLs) at its Marcus Hook Terminal (MHT; formerly [Marcus Hook Industrial Complex \[MHIC\]](#)), which is located at 100 Green Street, Marcus Hook, PA 19061, in Marcus Hook Borough, Delaware County. The NGLs-related sources and equipment at the MHT are currently permitted under two existing Plan Approvals, while the rest of the operations at the facility are permitted under a Title V Operating Permit. ETMT has proposed to expand the ethane chilling capacity at the MHT from approximately 75,000 barrels per day (bpd) to approximately 85,000 bpd. To this end, ETMT has applied for a Plan Approval (No. 23-0119K) from the Pennsylvania Department of Environmental Protection (DEP) to ensure that the Ethane Chilling Expansion Project meets all applicable Commonwealth and federal rules, regulations, and requirements.

What is a Plan Approval?

A Plan Approval is an authorization required by DEP when: (a) an entity wants to construct, modify, or reactivate a source of air contaminant emissions, (b) an entity wants to install air cleaning devices, and (c) emissions from a project exceeds certain levels.

The Plan Approval application generally requires the applicant to:

- detail the proposed project and the associated emissions
- discuss all applicable Commonwealth and federal rules, regulations, and requirements, and demonstrate that the proposed project will meet them
- show that the emissions from the new source will utilize best available technology
- show that the emission sources and/or air cleaning devices will be operated in accordance with good air pollution control practices.

DEP received the Plan Approval application for the Ethane Chilling Expansion Project on February 14, 2022, and determined on March 9, 2022, that it would undergo technical review by staff in DEP's Air Quality Program.

What is included in the proposed Ethane Chilling Expansion Project?

ETMT has proposed the following to accommodate the expansion of the ethane chilling capacity at the MHT:

- The installation of a new (fourth) ethane chiller train, a new boil-off gas (BOG) system, new piping and fugitive emissions components associated with the new ethane chiller train and BOG system, and updated piping and fugitive emissions components for certain existing ethane chilling process equipment.
- Operational, maintenance, and emergency connections from the new ethane chiller train and BOG system to two cold flares (one existing, one previously authorized under a different Plan Approval).
- Additional steam demand on three existing auxiliary boilers by certain existing ethane chilling process equipment to support the additional ethane throughput through new and existing ethane chilling process equipment.

What is involved in DEP's review of a Plan Approval application?

DEP considers a number of factors when reviewing an application, including: the types of air contaminant emissions, the anticipated or actual emissions, the area in which the facility is located, the use of best available technology, and the

company's ability to demonstrate compliance with all applicable rules, regulations, and requirements. In accordance with a 2019 ruling by the Environmental Hearing Board, DEP must evaluate all NGLs-related sources and equipment at the MHT as a single aggregated project.

Because of the location of this facility and the emissions of certain pollutants, the single aggregated project triggers both Prevention for Significant Deterioration (PSD) and Nonattainment New Source Review (NSR) requirements. PSD applies to new major facilities or major modifications at existing facilities for pollutants where the area in which the facility is located is in attainment or unclassifiable with the National Ambient Air Quality Standards (NAAQS), whereas nonattainment NSR applies where the area in which the facility is located is not in attainment with the NAAQS. More information on these requirements can be found on DEP's webpage.

What are the emissions from the proposed Ethane Chilling Expansion Project and Single Aggregated Project?

Pollutant	Pollutant Abbreviation	Ethane Chilling Expansion Project [tons/yr]	Single Aggregated Project [tons/yr]	PSD (or NSR) Significant Emissions Rate [tons/yr]
Carbon Monoxide	CO	2.033	103.26	100
Greenhouse Gases (expressed as carbon dioxide equivalents)	GHGs	17,454	260,756	75,000
Lead	Pb	0.00117	0.00801	0.6
Nitrogen Oxides	NO _x	4.132	63.04	40 (25)
Particulate Matter (Total/< 10 μm/< 2.5 μm)	PM/PM ₁₀ /PM _{2.5}	0.165 (each)	4.039/3.829/1.983	25/15/10 direct PM _{2.5} , 40 NO _x or SO ₂ as precursor
Sulfur Dioxide	SO ₂	0.455	17.94	40
Sulfuric Acid Mist	H ₂ SO ₄	0.00678	0.0642	7
Volatile Organic Compounds	VOCs	4.809	182.41	(25)

What is the current status of the Plan Approval application?

DEP has completed the technical review of the Plan Approval application and, on August 5, 2023, published a notice of intent to issue the Plan Approval in the *Pennsylvania Bulletin*. The proposed Plan Approval is currently open for public comment. Comments may be made in writing to Mr. James D. Rebarchak, Environmental Program Manager, DEP Southeast Regional Office (SERO), 2 East Main Street, Norristown, PA 19401, or electronically at ra-epseroaqpubcom@pa.gov.

In addition, on September 19, 2023, DEP will hold a combined public meeting and hearing at The Ballrooms at Boothwyn, 1405 Meetinghouse Road, Boothwyn, PA 19061, from 6:00 PM–8:00 PM. The public meeting will provide a brief explanation of the project with an opportunity to ask questions and receive answers from the program. Following the meeting, the public hearing will be held to receive oral and written testimony regarding DEP's intent to issue the Plan Approval. The public comment period will remain open through September 29, 2023, after which DEP will consider and address all comments received and take final action on the Plan Approval application.

Where can I get additional information regarding the Plan Approval application?

DEP has posted information regarding the Plan Approval application, including links to the application, proposed Plan Approval, and other relevant information, to its Southeast Regional Office Community Information webpage at www.dep.pa.gov/ETMT. In addition, copies of this information are available for public review at the following locations:

DEP Southeast Regional Office 2 East Main Street Norristown, PA 19401 484-250-5910 (appt. required)	Mary M. Campbell Marcus Hook Public Library 1015 Green Street, Suite B Marcus Hook, PA 19061 610-485-6519	Marcus Hook Municipal Building 1111 Market Street Marcus Hook, PA 19061 610-485-1341
--	--	---

For any other questions, please contact:

- Ms. Stephanie Berardi, Regional Communications Manager, DEP SERO, 484-250-5808
- Mr. Joseph Massaro, ETMT Lead Specialist, Public Affairs, MHT, 610-340-8741