

**Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number 104840**

The following summary is provided for this pending air permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Freeport LNG Development, L.P. (CN601720345) has submitted an application for an amendment to permit number 104840. The Freeport LNG Pretreatment Facility (RN106481500) will purify pipeline quality natural gas to be sent to its downstream Liquefaction Plant for the production of liquefied natural gas, at 2363 CR 690, Freeport, Brazoria County.

This permit amendment will authorize additional fugitive components, updated representations of flared streams, a proposed flare reduction project, updated sulfur content of incoming feed gas for the site and the construction and continued operation of previously authorized facilities. Freeport LNG Development, L.P. has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the current amount allowed, the amount to be added or removed, and the total amount for each pollutant that is proposed to be emitted each year for all the facilities during operation from the time the permit is authorized until the start of operation of the plant after the implementation of the proposed flare gas recovery project.

Pre-reduction:

<b>Pollutant</b>	<b>Permitted Emissions (tons per year)</b>	<b>Emissions Added/Removed (tons per year)</b>	<b>Total Proposed Emissions (tons per year)</b>
VOC	23.36	8.88	32.24
PM	80.38	0.00	80.38
PM <sub>10</sub>	80.38	0.00	80.38
PM <sub>2.5</sub>	80.38	0.00	80.38
NO <sub>x</sub>	45.87	49.95	95.82
CO	109.96	199.89	309.85
SO <sub>2</sub>	25.17	36.35	61.52
Pb	0.00	0.00	0.00
H <sub>2</sub> SO <sub>4</sub>	1.83	2.64	4.47
NH <sub>3</sub>	62.77	0	62.77
H <sub>2</sub> S	0.97	1.2	2.17

Below is the proposed pre-flare reduction project emissions, the amount to be added or removed, and the total amount for each pollutant that is proposed to be emitted each year for all the facilities during operation after the implementation of the proposed flare gas recovery project.

Post-reduction:

<b>Pollutant</b>	<b>Permitted Emissions (tons per year)</b>	<b>Emissions Added/Removed (tons per year)</b>	<b>Total Proposed Emissions (tons per year)</b>
VOC	32.24	-4.49	27.75
PM	80.38	0.00	80.38
PM <sub>10</sub>	80.38	0.00	80.38
PM <sub>2.5</sub>	80.38	0.00	80.38
NO <sub>x</sub>	95.82	-46.14	49.68
CO	309.85	-181.43	128.42
SO <sub>2</sub>	61.52	-1.66	59.86
Pb	0.00	0.00	0.00
H <sub>2</sub> SO <sub>4</sub>	4.47	0.00	4.47
NH <sub>3</sub>	62.77	0.00	62.77
H <sub>2</sub> S	2.17	0.02	2.19

Air pollutant emissions from the modified facilities will be controlled as follows:

- ▶ Heaters, Thermal Oxidizers and Flare: The gasses are burned off from the modified facilities using good combustion practices and cutting-edge technology which lowers air pollutant emissions into the air.
- ▶ Fugitives from piping and equipment leaks: Fugitive emissions from piping and equipment components will be minimized using good operational practices including frequent leak tests, isolation, and repair of leaks.