

Plain Language Summary for New Source Review (NSR) Renewal Application for Air New Source Review Permit Number 105710

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.

Corpus Christi Liquefaction, LLC (CCL) (CN604136374) has submitted an application for renewal of permit number 105710. The CCL Terminal (RN104104716) produces/manufactures and exports Liquefied Natural Gas at 622 State Highway 35, Gregory, San Patricio County.

This renewal will authorize the continued operation of the Stage I/II LNG Trains No. 1, 2, and 3. Natural gas feed to the plant is processed to remove inert and hydrocarbon compounds to produce a high-purity methane stream. The methane is cooled using natural gas-fueled refrigeration compressor turbines to produce LNG. Corpus Christi Liquefaction, LLC has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	Proposed Emissions (tons per year)
Volatile Organic Compounds (VOC)	352.0
Particulate Matter (PM)	85.3
PM with a diameter of 10 microns or less (PM10)	85.3
PM with a diameter of 2.5 microns or less (PM2.5)	85.3
Nitrogen Oxides (NOx)	3541.4
Carbon Monoxide (CO)	3621.8
Sulfur Dioxide (SO2)	49.4
Hydrogen Sulfide (H2)	0.31
Carbon Dioxide (CO2)	5,474,166
Methane (CH4)	2,462
Nitrous Oxide (N2)	8.9
CO2 Equivalent	5,538,226

The facilities being renewed continue to be controlled by thermal oxidizers (TOs), vapor combustion unit (VCU), and flares which lower emissions that are going into the air.