

**Plain Language Summary for New Source Review (NSR) Initial
Application for Air New Source Review Permit Number 175017, GHGPSDTX236, and
PSDTX1632**

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.

Motiva Enterprises, LLC (CN600124051) has submitted an application for initial permit number 175017, GHGPSDTX236, and PSD1632. The new Cogeneration Facility (RN100209451) will produce/manufacture electricity and steam at 2555 Savannah Ave., Port Arthur, Jefferson County.

This permit will authorize a new cogeneration facility, which will generate electricity and steam primarily for use at the Motiva Port Arthur Refinery. Motiva Enterprises 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	Total Proposed Emissions (tons per year)
VOC	86.49
PM	148.42
PM ₁₀	148.24
PM _{2.5}	147.61
NO _x	186.16
CO	307.56
SO ₂	55.40
Pb	0
H ₂ SO ₄	1.70
NH ₃	234.94
CO ₂	2,435,326.82
CH ₄	83.36
N ₂ O	8.45
CO ₂ Equivalent	2,439,926.81

The new combustion units will be controlled by low-NO_x burners, selective catalytic reduction, good combustion practices, and low sulfur fuel to minimize emissions from the new combustion units. Cooling tower emissions will be controlled by monitoring for leaks and installation of high efficiency mist eliminators. Fugitive emissions will be controlled through implementation of a leak detection and repair program.