

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 184403, GHGPSDTX276, and PSDTX1712

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.

IP Roman III Gas, LLC (CN606526440) has submitted an initial application. The Roman Energy Center (RN112472139) will be located outside of Hereford, Deaf Smith County, Texas.

This initial application will authorize the installation of 640 natural gas-fired generator engines with lube oil tanks, 25 backup diesel emergency generator engines with diesel belly tanks, 44 additional lube oil tanks, 4 additional diesel storage tanks, and equipment piping. The purpose of the power plant is to provide secondary power (firming power) to data centers at the Roman Energy Center. IP Roman III Gas, 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	Total Proposed Emissions (tons per year)
NO _x	989.18
CO	1223.12
SO ₂	33.73
VOC	1,335.29
PM	19.24
HAPs	618.47
NH ₃	959.87
CO ₂ e	8,398,751.14

Each natural-gas fired generator engine will be equipped with an oxidation catalyst system to minimize carbon monoxide (CO), volatile organic compound (VOC), and organic hazardous air pollutants (HAP) emissions. Additionally, a selective catalyst reduction (SCR) system will be used to control emissions of nitrogen oxides (NO_x).