

Plain Language Summary for New Source Review (NSR) Renewal Certification
Application for Air New Source Review Permit Number 9463

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.

South Houston Green Power, LLC (CN 602444622) has submitted an application for renewal of permit 9463. The Power 4 Unit (RN 103934493) produces steam and electricity at 2023 5th Ave South, Texas City, Texas in Galveston County.

This renewal will authorize the continued operation of Power 4, a cogeneration facility. The cogeneration facility uses natural gas to produce electricity and steam. South Houston Green Power, LLC has certified there will be no changes to the permit. The following permitted emission rates will remain the same.

Pollutant	Proposed Emissions (tons per year)
NO _x	120.21
CO	279.51
VOC	39.24
PM	19.18
PM ₁₀	17.90
PM _{2.5}	16.21
SO ₂	6.56
NH ₃	147.01

The facilities being renewed continue to be controlled by a Selective Catalytic Reduction (SCR) system. The SCR removes Nitrogen Oxides (NO_x) from the gas emitted by the power plant boilers and the Heat Recovery Steam Generators (HRSG) by injecting ammonia into the flue gas alongside a catalyst.