

**Plain Language Summary for New Source Review (NSR) Initial
Application for Air New Source Review Permit Numbers
175063, PSDTX1334, GHGPSDTX237, HAP85**

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.

CPV Basin Ranch Holdings, LLC (CPV) (CN606219053) has submitted an application for initial permit numbers 175063, PSDTX1334, GHGPSDTX237 & HAP85. The CPV Basin Ranch Energy Center (RN111876330) will consist of a combined-cycle electric generating facility and potential carbon capture system (CCS) and will produce/manufacture electric services at County Road 175, Ward County, east of Pecos, Texas.

The permit will authorize the construction and operation of the proposed nominal 1,320-megawatt generating facility and a potential carbon capture system on an approximately 327-acre site in Ward County, Texas. CPV 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) of Generating Facility Only	Proposed Emissions (tons per year) of Generating Facility with CCS
PM/PM ₁₀	193.2	217.3
PM _{2.5}	191.5	215.5
SO ₂	69.8	74.3
NO _x	333.1	366.2
CO	288.1	406.5
VOC	107.1	406.1
H ₂ SO ₄	53.5	53.9
Pb	0.0040	0.006
CO ₂ e	5,293,682	1,525,654
NH ₃	297.8	297.8
Maximum Individual HAP	8.4	212.0
Total HAPs	20.3	229.7

The new facilities will be controlled by dry low-NO_x (DLN) combustors and selective catalytic reduction (SCR) to control NO_x emissions, and oxidation catalysts to control CO and VOC emissions. Other control equipment includes use of low-sulfur fuels, use of high-efficiency equipment, and good combustion controls.