

Legal Notice
For
Air Quality Operating Permit
for Red Hills Gas Processing Plant of Lucid Energy Delaware, LLC

Lucid Energy Delaware, LLC at PO Box 158; Artesia, NM 88211-0158 has submitted an air quality operating permit application to the New Mexico Environment Department (NMED) for an air quality operating permit for its Red Hills Gas Processing Plant. The owner of this plant is Lucid Energy Delaware, LLC. The exact location of the facility is at latitude and longitude decimal degrees: 32.210556, -103.523889 Datum: WGS84. To aid in locating this facility, the approximate location is 24 mi WNW of Jal in Lea County, NM. This application file has been assigned an Operating Permit Number P278-M1 and TEMPO Agency Interest ID No. 29885.

Previously, the facility received an air quality construction permit and is in operation. The main purpose of the facility is to dehydrate and remove CO₂ and natural gas liquids from sweet field gas for transportation in a sales pipeline.

This operating permit application is for a permit modification. Per 20.2.70.401.C.(4) NMAC, this permitting action incorporates previously approved changes in NSR 4310M5 to include adding 600 MMscf/day gas processing capacity to the existing 800 MMscf/day capacity, added two amine and dehydrator trains, three cryogenic processing trains, and an acid gas injection system.

The emissions, as established in NSR Permit 4310M5 and brought forward into this permit are as follows. Parentheses note changes in emissions from previous operating permit – P278. Emissions are expressed in tons per year (tpy). Nitrogen Oxides (NO_x) at 359.0 tpy (+180); Carbon Monoxide (CO) at 444.2 tpy (+212.4); Volatile Organic Compounds (VOC) at 496.2 tpy (+202.1); Sulfur Dioxide (SO₂) at 422.8 tpy (+179.5); Particulate Matter 10 microns or less (PM₁₀) at 73.0 tpy (+52.4), and Particulate Matter 2.5 microns or less (PM_{2.5}) at 59.3 tpy (+40.8); and greenhouse gas (CO₂e) > 75,000 tpy.

The NMED has conducted a preliminary review of the information submitted with the permit application. This review included evaluation of the emission rates and applicable requirements to determine compliance.

The NMED has made a preliminary determination that this facility will comply with the requirements of Title 20, New Mexico Administrative Code (NMAC), Chapter 2, Parts 3, 7, 61, 70, 71, 72, 73, 75, and 82; 40 CFR 50; 40 CFR 60 Subparts A, Dc, JJJJ, OOOO, & OOOOa; 40 CFR 63 Subparts A, HH, ZZZZ, & DDDDD; and the New Mexico Air Quality Control Act. Therefore, the preliminary intent of NMED is to issue the air quality operating permit on or before October 07, 2022. This source is now a PSD Major source due to NSR 4310M5 according to 20.2.74 NMAC.

Interested persons may obtain the draft operating permit, submit written comments, or request a public hearing on Operating Permit Number P278-M1 by contacting Joseph Kimbrell at the New Mexico Environment Department, Air Quality Bureau, 525 Camino de los Marquez Suite 1, Santa Fe, NM 87505-1816, or by email at joseph.kimbrell@state.nm.us. Alternatively, comments on this permit may be submitted through the NMED Public Comment Portal located at <https://nmed.commentinput.com/comment/search#> during the public comment period.

Written requests for public hearing must state the nature of the issues proposed to be raised in the hearing. Comments must be based on the requirements of the applicable state and federal air quality regulations and

the Clean Air Act. Comments or hearing requests must be received within 30 days after the public notice is published.

Due to the public health emergency order, certain NMED offices are closed to the public. The permit application is currently available for review on the AQB Public Notices of Permitting Actions website www.env.nm.gov/air-quality/public-notice-of-permitting-actions/. The Department contact in Santa Fe is Joseph Kimbrell at 505-629-2718. Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-372-8373.

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