

Legal Notice  
and  
Preliminary Determination for an Air Quality Permit for  
HF Sinclair Navajo Refining LLC

HF Sinclair Navajo Refining LLC, PO Box 159, Artesia, NM previously submitted an air quality permit application to the Air Quality Bureau (AQB), New Mexico Environment Department (NMED) for an air quality permit to modify Artesia Refinery. The application file has been assigned Permit No. PSD0195-M40 and TEMPO Agency Interest ID No. 198. The exact location of the facility is at latitude and longitude decimal degrees: 32.842611, -104.395167 Datum: NAD83. To aid in locating this facility, the approximate location is 501 E Main St in Artesia, NM, Eddy County.

The proposed modification will consist of increasing emission limits to existing flares, and revisions to existing storage tanks, loading racks, hydrogen reformer furnaces, dissolved air flotation units, corrected heat inputs to some boilers, reconciled emissions calculations for tail gas incinerator, fluidized catalytic cracking unit, and cooling towers. Fugitive volatile organic compound (VOC) emissions will be decreasing by over 400 tpy due to more accurate component counts. Some emission units will be removed from the permit.

This is a Prevention of Significant Deterioration (PSD) permit action in accordance with 20.2.74 NMAC. The AQB is notifying the public that the AQB's preliminary determination, which includes the draft permit, statement of basis, Best Available Control Technology (BACT) determination for flares, and modeling report is available for public review and comment. All comments must be submitted to the AQB-NMED within 30 days from the date that this public notice is published in this newspaper (20.2.72.206.B(1) NMAC and 20.2.74.400.C NMAC). The written comments should refer to the company name, facility name, and permit number. Permit issuance due date for this action is April 25, 2023.

Total air pollutant emissions to the atmosphere are estimated to be approximately: Nitrogen Oxides (NO<sub>x</sub>) at 761 tons per year (tpy) (+21); Carbon Monoxide (CO) at 1380 tpy (+23); Volatile Organic Compounds (VOC) at 1268 tpy (-442); Sulfur Dioxide (SO<sub>2</sub>) at 418 tpy (+30); Particulate Matter 10 microns or less (PM<sub>10</sub>) at 204 tpy (-1); Particulate Matter 2.5 microns or less (PM<sub>2.5</sub>) at 199 tpy (-1); hydrogen sulfide (H<sub>2</sub>S) at 5.2 tpy (+0.5); and greenhouse gas (CO<sub>2</sub>e) at 2,029,709 tpy. Modeling analysis demonstrates that operation of the facility neither causes nor contributes to any exceedances of applicable air quality standards. The standards relevant at this facility are NAAQS for CO, NO<sub>2</sub>, O<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and SO<sub>2</sub>; NMAAQs for CO, H<sub>2</sub>S, NO<sub>2</sub>, and SO<sub>2</sub>; and Class I and Class II PSD increments for NO<sub>2</sub>, PM<sub>10</sub>, and SO<sub>2</sub>. PSD increment consumption is summarized as follows: (percent followed by pollutant, then averaging period). For Class II PSD increment: 94.2% of NO<sub>2</sub> annual, 3.7% of PM<sub>10</sub> annual, 76.8% of SO<sub>2</sub> 24-hr. Class I PSD the facility was below the SILs.

The preliminary determination documents are being made available for review on the NMED Public Participation website [www.env.nm.gov/public-notices](http://www.env.nm.gov/public-notices). All written comments on AQB-NMED's preliminary determination should be submitted to the attention of James Nellessen at [james.nellessen@env.nm.gov](mailto:james.nellessen@env.nm.gov) or at Air Quality Bureau, New Mexico Environment Dept., 525 Camino de los Marquez, Suite 1, Santa Fe, NM 87505-1816. The written comments shall state the nature of the issues raised and how it relates to the requirements of applicable state and federal air quality regulations and the Clean Air Act. All interested persons have thirty (30) days from the date this notice is

published to notify the Department in writing of their interest in the permit. Interested persons may use the NMED Public Comment Portal: <https://nmed.commentinput.com/comment/search> .

Questions or comments not intended to be part of the public record can be directed to James Nellessen at 505-629-6283. General information about air quality and the permitting process can be found at the AQB's web site. The regulations dealing with public participation in the permit review process is 20.2.72.206 NMAC and 20.2.74.400 NMAC. 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 505-629-3395.

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