

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 has 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/will be 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.

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 (+29); 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 (no change); 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. These emission estimates could change slightly during the course of the Department's review of the application.

The NMED has conducted a preliminary review of the information submitted with the permit application. The preliminary review and applicant's analysis of ambient air quality impacts indicates that the facility's air emissions will meet the ambient air quality standards for NO<sub>2</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, H<sub>2</sub>S, and screening evaluations for ozone (O<sub>3</sub>). VOCs are a pre-cursor to ozone. The applicant has submitted a modeling protocol and air quality related values (AQRV) report. To determine compliance with national ambient air quality standards, NMED monitors ambient ozone concentrations. A full review will evaluate the estimated emission rates for the pollutants listed above and the air quality analysis to determine compliance with the associated ambient air standards and requirements.

Based on the applicant's analysis, a preliminary determination is that this facility will comply with the requirements of Title 20, New Mexico Administrative Code (NMAC), Chapter 2, Parts 3, 7, 33, 38, 61, 70, 71, 72, 73, 74, 75, 77, 78, and 82; 40 CFR 50; 40 CFR 60 Subparts A, Db, Dc, J, Ja, K, Ka, Kb, GGG, GGGa, NNN, QQQ, IIII, and RRR; 40 CFR 61 Subparts A and FF; 40 CFR 63 Subparts A, CC, DDDDD, UUU, and ZZZZ; 40 CFR 68; 40 CFR 82; and the New Mexico Air Quality Control Act. Therefore, the preliminary intent of NMED is to issue the air quality permit on or before April 25, 2023. This source is a major source according to 20.2.74 NMAC, PSD. The modification is expected to consume 99% of the NO<sub>2</sub> annual increment (including surrounding sources) and 74% of the SO<sub>2</sub> 24-hour increment (including surrounding sources).

To ensure compliance with state and federal air regulations, the permit is expected to include conditions that limit the emissions, implement federal NSPS and MACT requirements, monitor tanks, truck loading, heaters, boilers, engines, testing requirements, and units with continuous monitoring systems, and conditions that will require record keeping and reporting to the Department.

The permit application is available for review on the NMED Public Participation website [www.env.nm.gov/public-notice](http://www.env.nm.gov/public-notice). 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 application. The written comments should refer to the company name, site name and Permit No. (or send a copy of this notice along with your comments). 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. The written comments can be mailed to Jim Nellessen, New Mexico Environment Dept., Air Quality Bureau, Permit Section, 525 Camino de los Marquez Suite 1, Santa Fe, NM 87505-1816, or submitted by email to [james.nellessen@env.nm.gov](mailto:james.nellessen@env.nm.gov). In addition, the NMED has a new Public Comment Portal and interested persons may submit via the portal: <https://nmed.commentinput.com/comment/search> . If the Department Secretary determines that a public hearing is required due to significant public interest, all person shall have the opportunity to comment at the hearing.

The Department will notify all persons, who have provided written comments, as to when and where the Department's analysis may be reviewed. Although all written comments will be made part of the public record, any person who does not express interest in writing prior to the end of this first thirty (30) day period will not receive such notification.

If the Department receives written public comment prior to the end of the Department's thirty (30) day public notice, the Department's analysis will be made accessible for review for thirty (30) days at the NMED district or field office nearest to the source before the permit will be issued. Written comments on the analysis or permit application may be submitted to the Department during this second thirty (30) day period (by email to [james.nellessen@env.nm.gov](mailto:james.nellessen@env.nm.gov) or via the NMED Public Comment Portal at: <https://nmed.commentinput.com/comment/search> ) or at any time before the permit is issued or denied.

Questions or comments not intended to be part of the public record can be directed to Jim Nellessen at 505-629-6283. General information about air quality and the permitting process can be found at the Air Quality Bureau's web site. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC. This regulation can be found in the "Permits" section of this web site. 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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may contact: Kathryn Becker, Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, [nd.coordinator@state.nm.us](mailto:nd.coordinator@state.nm.us). You may also visit our website at <https://www.env.nm.gov/non-employee-discrimination-complaint-page/> to learn how and where to file a complaint of discrimination.