



June 22, 2026

Julia Kuhn @env.nm.gov
New Mexico Environment Department (NMED)
Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, New Mexico, 87505

Certified Mail/Return Receipt No.
9589 0710 5270 3485 6539 80

**Re: Application for a Significant Revision to a PSD Source Permit at the HF Sinclair Navajo Refining LLC (Permit No. PSD-195-M43R3)
501 East Main Street
Artesia, Eddy County, New Mexico 88210**

Dear Ms. Kuhn,

HF Sinclair Navajo Refining LLC (HF Sinclair Navajo) hereby submits this Significant Revision to its PSD Source Permit in accordance with 20.2.72.219.D(1)(a) NMAC and requests authorization to revise the hourly and annual PM, PM₁₀, and PM_{2.5} allowable emission rates for Unit ID SSM-2 MISC to facilitate the usage of flares or temporary portable thermal oxidizer combustion to control maintenance vents during routine or startup, shutdown, and maintenance activities. This application is a permitted emissions representation change.

This application includes the completed Universal Air Quality Permit Application, Tables A-P, Sections 3-20, Section 22 Certification, emission calculations, and emission calculation methodology.

Please contact Ms. Veo Mills at 575-247-1854 or Veo.Mills@HFSinclair.com if you have any questions regarding this application.

Sincerely,

Case Hinkins
EHS Manager
HF Sinclair Navajo Refining LLC
501 E. Main Street
Artesia, NM 88210

Mail Application To: New Mexico Environment Department Air Quality Bureau Permits Section 525 Camino de los Marquez, Suite 1 Santa Fe, New Mexico, 87505 Phone: (505) 476-4300 Fax: (505) 476-4375 www.env.nm.gov/aqb		For Department use only:
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Universal Air Quality Permit Application

Use this application for NOI, NSR, or Title V sources.

Use this application for: the initial application, modifications, technical revisions, and renewals. For technical revisions, complete Sections, 1-A, 1-B, 2-E, 3, 9 and any other sections that are relevant to the requested action; coordination with the Air Quality Bureau permit staff prior to submittal is encouraged to clarify submittal requirements and to determine if more or less than these sections of the application are needed. Use this application for streamline permits as well.

This application is submitted as (check all that apply): ☐ Request for a No Permit Required Determination (no fee)
☒ **Updating** an application currently under NMED review. Include this page and all pages that are being updated (no fee required).
Construction Status: ☐ Not Constructed ☒ Existing Permitted (or NOI) Facility ☐ Existing Non-permitted (or NOI) Facility
Minor Source: ☐ NOI 20.2.73 NMAC ☒ 20.2.72 NMAC application or revision ☐ 20.2.72.300 NMAC Streamline application
Title V Source: ☐ Title V (new) ☐ Title V renewal ☐ TV minor mod. ☐ TV significant mod. ☐ TV Acid Rain: ☐ New ☐ Renewal
PSD Major Source: ☐ PSD major source (new) ☒ Minor Modification to a PSD source ☐ a PSD major modification

Acknowledgements:

☒ I acknowledge that a pre-application meeting is available to me upon request. ☐ Title V Operating, Title IV Acid Rain, and NPR applications have no fees.
☒ \$500 NSR application Filing Fee enclosed ☒ OR ☐ The full permit fee associated with 10 fee points (required w/ streamline applications).
☒ Check No.: 1000433002 in the amount of \$500
☒ I acknowledge the required submittal format for the hard copy application is printed double sided 'head-to-toe', 2-hole punched (except the Sect. 2 landscape tables is printed 'head-to-head'), numbered tab separators. Incl. a copy of the check on a separate page.
☒ I acknowledge there is an annual fee for permits in addition to the permit review fee: www.env.nm.gov/air-quality/permit-fees-2/.
☐ This facility qualifies for the small business fee reduction per 20.2.75.11.C. NMAC. The full \$500.00 filing fee is included with this application and I understand the fee reduction will be calculated in the balance due invoice. The Small Business Certification Form has been previously submitted or is included with this application. (Small Business Environmental Assistance Program Information: www.env.nm.gov/air-quality/small-biz-eap-2/.)

Citation: Please provide the low level citation under which this application is being submitted: **20.2.72.219.D(1)(a) NMAC, 20.2.72.402 NMAC**

(e.g. application for a new minor source would be 20.2.72.200.A NMAC, one example for a Technical Permit Revision is 20.2.72.219.B.1.b NMAC, a Title V acid rain application would be: 20.2.70.200.C NMAC)

Section 1 – Facility Information

Section 1-A: Company Information		Updating Permit/NOI #: PSD-195-M43 / P051-R3
1	Facility Name: HF Sinclair Navajo Refining LLC – Artesia	AI # If known: 198 Plant primary SIC Code (4 digits): 2911 Plant NAIC code (6 digits): 324110
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): 501 East Main Street, Artesia, NM 88210	

b	Proposed	Hourly: N/A	Daily: N/A	Annually: N/A
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Section 1-D: Facility Location Information

1	Latitude (decimal degrees): 32.842667	Longitude (decimal degrees): -104.390694	County: Eddy	Elevation (ft): 3,365
2	UTM Zone: ☐ 12 or ☒ 13		Datum: ☐ NAD 83 ☒ WGS 84	
a	UTM E (in meters, to nearest 10 meters): 557,020		UTM N (in meters, to nearest 10 meters): 3,634,010	
3	Name and zip code of nearest New Mexico town: Artesia 88210			
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): Refinery is within Artesia city limits			
5	The facility is 0 (distance) miles East (direction) of Artesia (nearest town).			
6	Land Status of facility (check one): ☒ Private ☐ Indian/Pueblo ☐ Government ☐ BLM ☐ Forest Service ☐ Military			
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: Eddy County, Chaves County, Artesia			
8	20.2.72 NMAC applications only: Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/air-quality/modeling-publications/)? ☐ Yes ☒ No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers:			
9	Name nearest Class I area: Carlsbad Caverns National Park			
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): 71 km			
11	Distance (meters) from the perimeter of the Area of Operations (AO is defined as the plant site inclusive of all disturbed lands, including mining overburden removal areas) to nearest residence, school or occupied structure: 12 meters			
	Method(s) used to delineate the Restricted Area: Fencing, walls, and gates			
12	"Restricted Area" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.			
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? ☐ Yes ☒ No A portable stationary source is not a mobile source, such as an automobile, but a source that can be installed permanently at one location or that can be re-installed at various locations, such as a hot mix asphalt plant that is moved to different job sites.			
14	Will this facility operate in conjunction with other air regulated parties on the same property? ☐ No ☒ Yes If yes, what is the name and permit number (if known) of the other facility? Artesia Renewable Diesel Company LLC. Permit Number: 9213-R1			

Section 1-E: Proposed Operating Schedule (The 1-E.1 & 1-E.2 operating schedules may become conditions in the permit.)

1	Facility maximum operating $\frac{\text{hours}}{\text{day}}$: 24	$\frac{\text{days}}{\text{week}}$: 7	$\frac{\text{weeks}}{\text{year}}$: 52	$\frac{\text{hours}}{\text{year}}$: 8760
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$): Start: N/A		☐ AM ☐ PM	End: N/A ☐ AM ☐ PM
3	Month and year of anticipated start of construction: N/A – Existing facility			
4	Month and year of anticipated construction completion: N/A – Existing facility			
5	Month and year of anticipated startup of new or modified facility: N/A – Existing facility			
6	Will this facility operate at this site for more than one year? ☒ Yes ☐ No			

2	Plant Operator Company Name: HF Sinclair Navajo Refining LLC	Phone/Fax: 575-745-3311
a	Plant Operator Address: P.O. Box 159, Artesia, NM 88211-0159	
b	Plant Operator's New Mexico Corporate ID or Tax ID: 02-488869-00-9	
3	Plant Owner(s) name(s): HF Sinclair Navajo Refining LLC	Phone/Fax: 575-748-3311
a	Plant Owner(s) Mailing Address(s): P.O. Box 159, Artesia, NM 88211-0159	
4	Bill To (Company): HF Sinclair Navajo Refining LLC	Phone/Fax: 575-748-3311
a	Mailing Address: P.O. Box 159, Artesia, NM 88211-0159	E-mail:
5	☐ Preparer: ☒ Consultant: Phil Fish, Barr Engineering Company	Phone/Fax: 952-842-3643
a	Mailing Address: 4300 MarketPointe Drive, Suite 200, Minneapolis, MN 55435	E-mail: pfish@barr.com
6	Plant Operator Contact: Travis Gibb	Phone/Fax: 713-299-5314
a	Address: PO Box 159, Artesia, NM, 88211	E-mail: Travis.Gibb@HFSinclair.com
7	Air Permit Contact: Veo Mills	Title: Environmental Specialist
a	E-mail: Veo.Mills@HFSinclair.com	Phone/Fax: 575-247-1854
b	Mailing Address: 501 East Main Street, Artesia, NM 88210	
c	The designated Air permit Contact will receive all official correspondence (i.e. letters, permits) from the Air Quality Bureau.	

Section 1-B: Current Facility Status

1.a	Has this facility already been constructed? ☒ Yes ☐ No	1.b If yes to question 1.a, is it currently operating in New Mexico? ☒ Yes ☐ No
2	If yes to question 1.a, was the existing facility subject to a Notice of Intent (NOI) (20.2.73 NMAC) before submittal of this application? ☐ Yes ☒ No	If yes to question 1.a, was the existing facility subject to a construction permit (20.2.72 NMAC) before submittal of this application? ☒ Yes ☐ No
3	Is the facility currently shut down? ☐ Yes ☒ No	If yes, give month and year of shut down (MM/YY): N/A
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? ☒ Yes ☐ No	
5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? ☐ Yes ☐ No ☒ N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? ☒ Yes ☐ No	If yes, the permit No. is: P-051-R3
7	Has this facility been issued a No Permit Required (NPR)? ☐ Yes ☒ No	If yes, the NPR No. is:
8	Has this facility been issued a Notice of Intent (NOI)? ☐ Yes ☒ No	If yes, the NOI No. is:
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? ☒ Yes ☐ No	If yes, the permit No. is: PSD-195-M43
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? ☐ Yes ☒ No	If yes, the register No. is:

Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: N/A	Daily: N/A	Annually: N/A
b	Proposed	Hourly: N/A	Daily: N/A	Annually: N/A
2	What is the facility's maximum production rate, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: N/A	Daily: N/A	Annually: N/A

Section 1-F: Other Facility Information

1	Are there any current Notice of Violations (NOV), compliance orders, or any other compliance or enforcement issues related to this facility? ☐ Yes ☒ No If yes, specify:		
a	If yes, NOV date or description of issue:	NOV Tracking No:	
b	Is this application in response to any issue listed in 1-F, 1 or 1a above? ☐ Yes ☒ No If Yes, provide the 1c & 1d info below:		
c	Document Title:	Date:	Requirement # (or page # and paragraph #):
d	Provide the required text to be inserted in this permit: See supporting documentation		
2	Is air quality dispersion modeling or modeling waiver being submitted with this application? ☒ Yes ☐ No		
3	Does this facility require an "Air Toxics" permit under 20.2.72.400 NMAC & 20.2.72.502, Tables A and/or B? ☐ Yes ☐ No		
4	Will this facility be a source of federal Hazardous Air Pollutants (HAP)? ☒ Yes ☐ No		
a	If Yes, what type of source? ☒ Major (☐ ≥ 10 tpy of any single HAP OR ☒ ≥ 25 tpy of any combination of HAPS) OR ☐ Minor (☐ < 10 tpy of any single HAP AND ☐ < 25 tpy of any combination of HAPS)		
5	Is any unit exempt under 20.2.72.202.B.3 NMAC? ☒ Yes ☐ No		
a	If yes, include the name of company providing commercial electric power to the facility: Xcel Energy Commercial power is purchased from a commercial utility company, which specifically does not include power generated on site for the sole purpose of the user.		

Section 1-G: Streamline Application (This section applies to 20.2.72.300 NMAC Streamline applications only)

1	☐ I have filled out Section 18, "Addendum for Streamline Applications." ☒ N/A (This is not a Streamline application.)
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Section 1-H: Current Title V Information - Required for all applications from TV Sources

(Title V-source required information for all applications submitted pursuant to 20.2.72 NMAC (Minor Construction Permits), or 20.2.74/20.2.79 NMAC (Major PSD/NNSR applications), and/or 20.2.70 NMAC (Title V))

1	Responsible Official (R.O.) (20.2.70.300.D.2 NMAC): Travis Gibb		Phone: 713-299-5314
a	R.O. Title: Vice President and Refinery Manager	R.O. e-mail: Travis.Gibb@HFSinclair.com	
b	R. O. Address: P.O. Box 159, Artesia, NM, 88211-0159		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): Matthew Hall		Phone: 575-231-5037
a	A. R.O. Title: Production Manager	A. R.O. e-mail: Matthew.Hall@HFSinclair.com	
b	A. R. O. Address: P.O. Box 159, Artesia, NM, 88211-0159		
3	Company's Corporate or Partnership Relationship to any other Air Quality Permittee (List the names of any companies that have operating (20.2.70 NMAC) permits and with whom the applicant for this permit has a corporate or partnership relationship):		
4	Name of Parent Company ("Parent Company" means the primary name of the organization that owns the company to be permitted wholly or in part.): HF Sinclair Navajo Refining LLC		
a	Address of Parent Company: 2828 N. Harwood, Suite 1300, Dallas, TX 75201		
5	Names of Subsidiary Companies ("Subsidiary Companies" means organizations, branches, divisions or subsidiaries, which are owned, wholly or in part, by the company to be permitted.): N/A		
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations: Veo Mills, 575-247-1854		

7	Affected Programs to include Other States, local air pollution control programs (i.e. Bernalillo) and Indian tribes: Will the property on which the facility is proposed to be constructed or operated be closer than 80 km (50 miles) from other states, local pollution control programs, and Indian tribes and pueblos (20.2.70.402.A.2 and 20.2.70.7.B)? If yes, state which ones and provide the distances in kilometers: Carlsbad Caverns National Park – 71km, Salt Creek Wilderness Area – 71 km
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Section 1-I – Submittal Requirements

Each 20.2.73 NMAC (NOI), a 20.2.70 NMAC (Title V), a 20.2.72 NMAC (NSR minor source), or 20.2.74 NMAC (PSD) application package shall consist of the following:

Hard Copy Submittal Requirements:

- 1) One hard copy **original signed and notarized application package printed double sided "head-to-toe" 2-hole punched** as we bind the document on top, not on the side; except Section 2 (landscape tables), which should be **head-to-head**. Please use **numbered tab separators** in the hard copy submittal(s) as this facilitates the review process. For NOI submittals only, hard copies of UA1, Tables 2A, 2D & 2F, Section 3 and the signed Certification Page are required. **Please include a copy of the check on a separate page.**
- 2) If the application is for a minor NSR, PSD, NNSR, or Title V application, include one working hard **copy** for Department use. This **copy** should be printed in book form, 3-hole punched, and **must be double sided**. Note that this is in addition to the head-to-to 2-hole punched copy required in 1) above. Minor NSR Technical Permit revisions (20.2.72.219.B NMAC) only need to fill out Sections 1-A, 1-B, 3, and should fill out those portions of other Section(s) relevant to the technical permit revision. TV Minor Modifications need only fill out Sections 1-A, 1-B, 1-H, 3, and those portions of other Section(s) relevant to the minor modification. NMED may require additional portions of the application to be submitted, as needed.
- 3) The entire NOI or Permit application package, including the full modeling study, should be submitted electronically. Electronic files for applications for NOIs, any type of General Construction Permit (GCP), or technical revisions to NSRs must be submitted with compact disk (CD) or digital versatile disc (DVD). For these permit application submittals, **two CD** copies are required (in sleeves, not crystal cases, please), with additional CD copies as specified below. NOI applications require only a **single CD** submittal. Electronic files for other New Source Review (construction) permits/permit modifications or Title V permits/permit modifications can be submitted on CD/DVD or sent through AQB's secure file transfer service.

Electronic files sent by (check one):

☐ CD/DVD attached to paper application

☒ Secure electronic transfer. Air Permit Contact Name Veo Mills, Email Veo.Mills@HFSinclair.com Phone number 575-247-

1854.

a. If the file transfer service is chosen by the applicant, after receipt of the application, the Bureau will email the applicant with instructions for submitting the electronic files through a secure file transfer service. Submission of the electronic files through the file transfer service needs to be completed within 3 business days after the invitation is received, so the applicant should ensure that the files are ready when sending the hard copy of the application. The applicant will not need a password to complete the transfer. **Do not use the file transfer service for NOIs, any type of GCP, or technical revisions to NSR permits.**

- 4) Optionally, the applicant may submit the files with the application on compact disk (CD) or digital versatile disc (DVD) following the instructions above and the instructions in 5 for applications subject to PSD review.
- 5) If **air dispersion modeling** is required by the application type, include the **NMED Modeling Waiver** and/or electronic air dispersion modeling report, input, and output files. The dispersion modeling **summary report only** should be submitted as hard copy(ies) unless otherwise indicated by the Bureau.
- 6) If the applicant submits the electronic files on CD and the application is subject to PSD review under 20.2.74 NMAC (PSD) or NNSR under 20.2.79 NMC include,
 - a. one additional CD copy for US EPA,
 - b. one additional CD copy for each federal land manager affected (NPS, USFS, FWS, USDI) and,
 - c. one additional CD copy for each affected regulatory agency other than the Air Quality Bureau.

If the application is submitted electronically through the secure file transfer service, these extra CDs do not need to be submitted.

Electronic Submittal Requirements [in addition to the required hard copy(ies)]:

- 1) All required electronic documents shall be submitted as 2 separate CDs or submitted through the AQB secure file transfer service. Submit a single PDF document of the entire application as submitted and the individual documents comprising the application.
- 2) The documents should also be submitted in Microsoft Office compatible file format (Word, Excel, etc.) allowing us to access the text and formulas in the documents (copy & paste). Any documents that cannot be submitted in a Microsoft Office compatible format shall be saved as a PDF file from within the electronic document that created the file. If you are unable to provide Microsoft office compatible electronic files or internally generated PDF files of files (items that were not created electronically: i.e. brochures, maps, graphics, etc.), submit these items in hard copy format. We must be able to review the formulas and inputs that calculated the emissions.
- 3) It is preferred that this application form be submitted as 4 electronic files (3 **MSWord docs**: Universal Application section 1 [UA1], Universal Application section 3-19 [UA3], and Universal Application 4, the modeling report [UA4]) and 1 **Excel file** of the tables (Universal Application section 2 [UA2]). Please include as many of the 3-19 Sections as practical in a single MS Word electronic document. Create separate electronic file(s) if a single file becomes too large or if portions must be saved in a file format other than MS Word.
- 4) The **electronic file names** shall be a maximum of 25 characters long (including spaces, if any). The format of the electronic Universal Application shall be in the format: "A-3423-FacilityName". The "A" distinguishes the file as an application submittal, as opposed to other documents the Department itself puts into the database. Thus, all electronic application submittals should begin with "A-". Modifications to existing facilities should use the **core permit number** (i.e. '3423') the Department assigned to the facility as the next 4 digits. Use 'XXXX' for new facility applications. The format of any separate electronic submittals (additional submittals such as non-Word attachments, re-submittals, application updates) and Section document shall be in the format: "A-3423-9-description", where "9" stands for the **section #** (in this case Section 9-Public Notice). Please refrain, as much as possible, from submitting any scanned documents as this file format is extremely large, which uses up too much storage capacity in our database. Please take the time to fill out the **header information** throughout all submittals as this will identify any loose pages, including the Application Date (date submitted) & Revision number (0 for original, 1, 2, etc.; which will help keep track of subsequent partial update(s) to the original submittal. Do not use special symbols (#, @, etc.) in file names. The footer information should not be modified by the applicant.

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krug@hawaii.edu and gracie.henry@hawaii.edu

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Required Permitted Capacity ³ (Specify Units)	Date of Manufacture ⁴ Date of Construction/ Reconstruction ⁵	Controlled by Unit # Emissions source to Track #	Source Class- ification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (C1, B1, 4SLR, 4SRB, 2SLR) ⁶	Registering Unit No.
H-0364	Unit 70 CCR Heater	Calidus Technologies, LLC burners	CUBL-6W burners		35 MMBtu/hr (LHV)	35 MMBtu/hr (LHV)	N/A May-2008	H-0364	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-0421	Unit 44 Charge Heater	John Zink Harco	LNC-PC-18 burners		27 MMBtu/hr (LHV Basis)	27 MMBtu/hr (LHV Basis)	N/A 5/23/2001	H-0421	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-0464	SRU Hot Oil Heater	Calidus Technologies, LLC burners	LB-CSG-4W burners		9.6 MMBtu/hr (LHV Basis)	9.6 MMBtu/hr (LHV Basis)	N/A 11/1/2003	H-0464	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-0600	Unit 09 Dipropylizer Reboiler Heater	Calidus Technologies, LLC burners	CUBL-12W burners		84 MMBtu/hr (LHV Basis)	84 MMBtu/hr (LHV Basis)	N/A est. 1991	H-0600	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-0601	Unit 33 Charge Heater	Calidus Technologies, LLC burners	CUB-4P-CW burners		78 MMBtu/hr (LHV Basis)	78 MMBtu/hr (LHV Basis)	N/A 2003	H-0601	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-2421	Unit 45 Charge Heater	Zeeco, Inc. burners	GCSP-14 Burner Flare "Free Jet" burners		27 MMBtu/hr (LHV Basis)	27 MMBtu/hr (LHV Basis)	N/A 2006	H-2421	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-2501	Unit 25 ROSEB Unit No. 2 Hot Oil Heater	John Zink Company, LLC burners	COOLstar-18 burners		120 MMBtu/hr (LHV Basis)	120 MMBtu/hr (LHV Basis)	N/A 2009	H-2501	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-3101	SRU3 Hot Oil Heater	Calidus Technologies, LLC burners	Unknown		11 MMBtu/hr (LHV Basis)	11 MMBtu/hr (LHV Basis)	N/A 2009	H-3101	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-3402	Unit 34 Hydrocracker Reboiler 1	Calidus Technologies, LLC burners	LE-CSG-12W burners		52 MMBtu/hr (LHV Basis)	52 MMBtu/hr (LHV Basis)	N/A 2009	H-3402	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-3403	Unit 34 Hydrocracker Reactor Charge Heater	Calidus Technologies, LLC burners	CUBL-10W burners		32 MMBtu/hr (LHV Basis)	32 MMBtu/hr (LHV Basis)	N/A 2011	H-3403	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-5401	Unit 54 HDS Reactor Heater	Talos Heaters Inc.	TBD		19 MMBtu/hr (LHV Basis)	19 MMBtu/hr (LHV Basis)	N/A 2016	H-5401	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-8801	Unit 63 Hydrogen Plant Reformer Furnaces	Calidus Technologies, LLC burners	LE-CSG-12W-PSA burners		76 MMBtu/hr (LHV Basis)	76 MMBtu/hr (LHV Basis)	N/A 3/1/2006	H-8801	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-8802	Unit 63 Hydrogen Plant Reformer Furnaces	Calidus Technologies, LLC burners	LE-CSG-12W-PSA burners		76 MMBtu/hr (LHV Basis)	76 MMBtu/hr (LHV Basis)	N/A 3/1/2006	H-8802	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-9851	Unit 64 Hydrogen Plant Reformer	Calidus Technologies, LLC burners	CUBL-3WDF burners		337 MMBtu/hr (LHV Basis)	337 MMBtu/hr (LHV Basis)	N/A 2009	H-9851	30600106	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-0473 (SRU2 TGI)	SRU2 Tail Gas Incinerator				35 MMBtu/hr (LHV Basis)	35 MMBtu/hr (LHV Basis)	N/A Dec-2001	H-0473 (SRU2 TGI)	30609904	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
H-3103 (SRU3 TGI)	SRU3 Tail Gas Incinerator	Calidus Technologies, LLC burners			10.2 MMBtu/hr (LHV Basis)	10.2 MMBtu/hr (LHV Basis)	N/A 5/1/2009	H-3103 (SRU3 TGI)	30609904	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
FCC Regen	FCC Regenerator Scrubber	Exxon	IV		N/A	N/A	N/A est. 1979	FCC Regen	30600201	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
FL-400	North Plant Flare	N/A	N/A	N/A	N/A	N/A	N/A est. 1972	FL-400	30600004	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 29.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Requested Permitted Capacity ² (Specify Units)	Date of Manufacture ³	Controlled by Unit #	Source Class- ification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, MSL, MSRL, MSLR) ⁴	Replacing Unit No.
							Date of Construction/ Reconstruction ⁵	Emission(s) covered by Stack #				
FL-401	South Plant Flare	N/A	N/A	N/A	N/A	N/A	est. 1972	FL-401	30500904	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FL-402	FCC Flare	N/A	N/A	N/A	N/A	N/A	est. 1979	FL-402	30500904	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FL-403	Ailky Flare	N/A	N/A	N/A	N/A	N/A	est. 1991	FL-403	30500904	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FL-404	GOHT Flare	N/A	N/A	N/A	N/A	N/A	2003	FL-404	30500904	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FL-HEP-PORT	FL-HEP Portable Flare	N/A	N/A	N/A	N/A	N/A		FL-HEP-PORT	30500904	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
MG-0001	Portable Air Compressor	Cummins	QSC 8.3, 44358719		280 HP	280 HP	2012	MG-0001	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
MG-0002	Portable Air Compressor	Cummins	QSC 8.3, 46338720		280 HP	280 HP	2012	MG-0002	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
MG-0003	Portable Air Compressor	Deere/Cummins	QSB 4.5, 489581UKAC68		138 HP	138 HP	2018	MG-0003	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
MG-0004	Portable Fire Water Pump Engine	Caterpillar	C18, WJH07870		700 HP	700 HP	Oct-2010	MG-0004	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
SG-0100	UPS backup generator (exempt*)	Deutz	F4L912GEN/ WD2XL05.7010		52 HP	52 HP	1998	N/A	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
SG-0101	UPS backup generator (exempt*)	Deutz	F4L912GEN/ 68CA00-000- 0053		54 HP	54 HP	1999	N/A	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
SG-0102	Server Backup Generator (exempt*)	John Deere	4045HFS80		99 HP	99 HP	2018	N/A	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
FWG-0600	Fire Water Pump Engine	Clarke Diesel (John Deere)	JW6H-UFAD70/ RG6090L113546		376 HP	376 HP	Nov-2012	FWG-0600	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
FWG-0601	Fire Water Pump Engine	Clarke Diesel (John Deere)	JW6H-UFAD70/ RG6090L113561		376 HP	376 HP	Nov-2012	FWG-0601	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
FWG-0602	Fire Water Pump Engine	Clarke Diesel (John Deere)	JW6H-UFAD70/ RG6090L113574		376 HP	376 HP	Nov-2012	FWG-0602	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
FWG-0603	Fire Water Pump Engine	Clarke Diesel (John Deere)	JL6H-UFAD70X/ PE60488.228486		305 HP	305 HP	Apr-2013	FWG-0603	20200102	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced	CI	
Y-0001TempA	Temporary Cooling Tower A				4,000 gpm	4,000 gpm		Y-0001TempA	30600701	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
Y-0001TempB	Temporary Cooling Tower B				4,000 gpm	4,000 gpm		Y-0001TempB	30600701	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
Y-0001a	TCC Cooling Tower Replacement				6,000 gpm	6,000 gpm		Y-0001a	30600701	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ⁴ Date of Construction/Reconstruction ⁵	Controlled by Unit # Emission related to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CL, SL, ASLR, ASRB, ISLR) ⁶	Replacing Unit No.
Y-0002	S. Alky Cooling Tower (Marilyn Cooling Tower)				5,000 gpm	5,000 gpm	N/A	N/A	30600701	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
Y-0008	North Alky Cooling Tower				12,500 gpm	12,500 gpm	N/A	N/A	30600701	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
Y-0011	FCC & NP Cooling Tower				30,000 gpm	30,000 gpm	N/A	Y-0011	30600701	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
Y-0012	Hydrogen Plants Cooling Tower				10,000 gpm	10,000 gpm	N/A	Y-0012	30600701	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
CT TT-0006	Unit 07 Amine W-0745 Cooling Tower				3,000 gpm	3,000 gpm	N/A	CT TT-0006	30600701	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
Collection Sump	WW System Collection Sump				1,200 gpm	1,200 gpm	N/A	Collection Sump	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0845	Weir Box (WW)				1,200 gpm	1,200 gpm	D-8000/D-8001	D-8000/D-8001	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0844	Stilling Well (WW)				1,200 gpm	1,200 gpm	D-8000/D-8001	D-8000/D-8001	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0846	Stormwater Lift Station (SWLS)				1,200 gpm	1,200 gpm	D-8000/D-8001	D-8000/D-8001	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0839	Stormwater Surge Tank (external floster)				109,660 bbl	109,660 bbl	T-801/T-830 TO	T-801/T-830 TO	40301130	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
S-1/T-1	Rainscreen & Junction Box				1,200 gpm	1,200 gpm	D-829/D-830	D-829/D-830	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
API-894/ API-895	API Separators				1,200 gpm	1,200 gpm	D-829/D-830	D-829/D-830	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0829	SRO Reject Tank				30,500 bbl	30,500 bbl	N/A	pre-1971 T-0829	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0881	Enhanced Biogradation Tank				1,200 gpm	1,200 gpm	T-801/T-830 TO	T-801/T-830 TO	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0836	Enhanced Biogradation Tank				1,200 gpm	1,200 gpm	T-836 TO	T-836 TO	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0805	Flocculator				1,200 gpm	1,200 gpm	N/A	T-0805	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0896	DAF Unit T-0896				1,200 gpm	1,200 gpm	N/A	DAF T-0896	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		
T-0806	DAF Unit T-0806				1,200 gpm	1,200 gpm	N/A	DAF T-0806	30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified ☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced		

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.12.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Requested Permitted Capacity ² (Specify Units)	Date of Manufacture ³ Date of Construction/ Reconstruction ³	Controlled by Unit # Exhausts vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RISC Ignition Type (CL, SL, 45°C, 475°C, 254.6) ⁴	Replacing Unit No.
T-897	DAF Surge Open Sump				1,200 gpm	1,200 gpm	N/A		30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
D-810/811	Walnut H&B Filters				1,200 gpm	1,200 gpm	N/A		30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
D-808/809	Mechanical Filters				1,200 gpm	1,200 gpm	N/A		30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0809	DAF Surge Tank				1,200 gpm	1,200 gpm	N/A		30600503	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
TLO-1	Asphalt Truck Loading and Off-Loading Rack				350 bbbl/hr	350 bbbl/hr	N/A		40400150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
TL-2	Asphalt Truck Loading Rack #2				300 bbbl/hr	300 bbbl/hr	N/A		40400150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
TL-4	Fuels Truck Loading Rack				3,571 bbbl/hr	3,571 bbbl/hr	N/A	TL-4 VRU TL-4 VCU	40400150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
TL-7	CBO/LCO Truck Loading Rack				681 bbbl/hr	681 bbbl/hr	N/A	TL-7	40400150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
RLO-8	Railcar Loading and Off-Loading Rack				1,500 bbbl/hr	1,500 bbbl/hr	N/A	RLO-8	40400150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
RLO-19	Railcar Loading and Off-Loading Rack				3,950 bbbl/hr	3,950 bbbl/hr	N/A	RLO-19	40400150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
TLO-20	Asphalt/Pitch Truck Loading Rack				600 bbbl/hr	600 bbbl/hr	N/A	TLO-20	40400150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
TRLO-9	Molten Sulfur Truck/Railcar Loading Rack				330 LTPD	330 LTPD	N/A	TRLO-9	40400150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
FUG-02-SP CRUDE	South Division Crude Unit						2009	N/A	40388801	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
FUG-06-NHDIU	Naphtha HDS Unit 06							N/A	40388801	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
FUG-07-N AMINE	Amine Unit-Treating/Regen. 2							N/A	40388801	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
FUG-07-SWS1	Sour Water Stripper							N/A	40388801	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
FUG-08-TRUCK RK	Loading Racks							N/A	40388801	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
FUG-09-N ALKY	North Alkylation Unit (Non-inside battery limits)							N/A	40388801	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacturer's Date of Construction/ Reconstruction ⁴	Controlled by Unit # Emissions vented to Stack # ⁵	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 40LB, 450B, 551R) ⁶	Replacing Unit No.
FUG-10-FCC	FCC w/CVS						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-13-NBDU	Naphtha HDS Unit 13						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-18-LSR MEROX TKT	Merox/Merichem Treating Units						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-19-NAPHTHA	Naphtha Merox						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-20-ISOM	Isomer Unit						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-21-SP VACUUM	Flasher/Vacuum Unit						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-25-ROSE-2	ROSE Unit						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-26-BLENDER/TK FARM	Light Oil Tankage						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-30-SRU2/TOTU	SRU2/SWS w/CVS						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-31-SRU3/TOTU/TG1	SRU3 Unit						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-33-DIST HDU	Distel HDS Unit w/CVS						2007	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-34-HYDROCRACKER	WX Hydrocracker						2006	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-35-SAT GAS	Saturates Gas Plant						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-36-RO	Reverse Osmosis						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-37-NP-UT	North Plant Utilities						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-41-PBC	PBC Unit						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-43-S-ALKY	South Alky Unit (W-76)						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-44-DIST-HDU	Gas Oil Hydrotreater (incl. CVS)						N/A	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Requested Permitted Capacity ² (Specify Units)	Date of Manufacture ³	Controlled by Unit #	Source Classi- fication Code (SCC)	For Each Piece of Equipment, Check One	HCE Ignition Type (CI, SI, 45LB, 45RB, 25LB) ⁴	Replacing Unit No.
							Unit of Construction/ Reconstruction ⁵	Emission Control in Stack #				
FUG-45-DIST- HDU	Gas Oil Hydrocracker (incl. CVS)						N/A		40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-54-PRIMEG	Prime G Unit						N/A		40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-57-FGRU	Flare Gas Recovery Unit						2016	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-63-H2 PLANT-1	Hydrogen Plant						N/A		40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-64-H2 PLANT-2	Hydrogen Plant						N/A		40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-70-CCR	CCR Refiner (with battery limit)						2008	N/A	40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-73-SP UTL	Utilities						N/A		40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-86-WWTP CVS	Oil/Water Separator						N/A		40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
FUG-LFG	LFG Storage System						N/A		40388801	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0011	INT				32,130 bbl	32,130 bbl	pre-1973	T-0011	40301150	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0012	INT				32,130 bbl	32,130 bbl	pre-1973	T-0012	40301150	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0020	INT				54,380 bbl	54,380 bbl	10/1/2020	T-0020	40301150	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0021	INT				54,380 bbl	54,380 bbl	10/1/2020	T-0021	40301150	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0022	INT				37,770 bbl	37,770 bbl	10/1/2020	T-0022	40301150	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0023	INT				37,770 bbl	37,770 bbl	10/1/2020	T-0023	40301150	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0040	CR				820 bbl	820 bbl	pre-1973	T-0040	40301099	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0041	CR				820 bbl	820 bbl	1973	T-0041	40301099	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0049	HFR				610 bbl	610 bbl	pre-1971	Carbon Catalister T-0049	40301099	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0055	CR				10,200 bbl	10,200 bbl	1979	T-0055	40301099	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Date)	Requested Permitted Capacity ² (Specify Units)	Date of Manufacture ³ Set of Construction/ Renovations ⁴	Controlled by Unit # Emissions tested to Stack #	Source Classi- fication Code (RCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLP, 4SR, 2SLR) ⁵	Replacing Unit No.
T-0056	INT				11,600 bbl	11,600 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0059	CR				5,140 bbl	5,140 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0061	CR				10,490 bbl	10,490 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0063	CR				10,910 bbl	10,910 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0065	CR				10,490 bbl	10,490 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0075	CR				18,910 bbl	18,910 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0079	INT				87,420 bbl	87,420 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0081	CR				109,660 bbl	109,660 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0082	CR				109,660 bbl	109,660 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0106	INT				38,305 bbl	38,305 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0107	INT				25,120 bbl	25,120 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0108	INT				25,120 bbl	25,120 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0109	INT				25,120 bbl	25,120 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0110	CR				57,100 bbl	57,100 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0111	INT				10,080 bbl	10,080 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0112	INT				9,670 bbl	9,670 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0117	EXT				15,470 bbl	15,470 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0134	INT				6,710 bbl	6,710 bbl	N/A		40301150	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	
T-0400	CR				96,680 bbl	96,680 bbl	N/A		40301099	☐ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To Be Removed ☐ Replacement Unit ☐ To Be Replaced	

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ⁴	Controlled by Rule # ⁵	Source Classi- fication Code (RCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4GLR, 4GRR, 2GLR) ⁶	Replacing Unit No.
							Date of Construction/ Reconstruction ⁷	Emissions tested to Stack #				
T-0401	INT				56,650 bbl	56,650 bbl	1982	N/A T-0401	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0402	INT				56,650 bbl	56,650 bbl	1983	N/A T-0402	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0410	CR				34,920 bbl	34,920 bbl	1973	N/A T-0410	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0411	INT				55,950 bbl	55,950 bbl	pre-1971	N/A T-0411	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0412	EXT				55,950 bbl	55,950 bbl	pre-1971	N/A T-0412	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0413	INT				24,490 bbl	24,490 bbl	pre-1971	N/A T-0413	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0415	INT				25,120 bbl	25,120 bbl	pre-1971	N/A T-0415	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0417	INT				10,490 bbl	10,490 bbl	pre-1973	N/A T-0417	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0418	INT				20,720 bbl	20,720 bbl	>2021	N/A T-0418	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0419	CR				11,000 bbl	11,000 bbl	pre-1973	N/A T-0419	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0420	CR				10,490 bbl	10,490 bbl	pre-1973	N/A T-0420	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0422	CR				10,490 bbl	10,490 bbl	pre-1973	N/A T-0422	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0423	CR				10,490 bbl	10,490 bbl	pre-1971	N/A T-0423	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0431	CR				53,180 bbl	53,180 bbl	pre-1973	N/A T-0431	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0432	CR				53,180 bbl	53,180 bbl	pre-1972	N/A T-0432	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0433	CR				80,420 bbl	80,420 bbl	pre-1973	N/A T-0433	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0434	INT				74,681 bbl	74,681 bbl	1979	N/A T-0434	40301099	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0435	EXT				5,040 bbl	5,040 bbl	1/1/1997	N/A T-0435	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		
T-0437	EXT				90,640 bbl	90,640 bbl	Built 1976 Relocated 2009	N/A T-0437	40301150	☒ Existing (unchanged) ☐ New/Additional ☐ To be Modified ☐ To be Removed ☐ Replacement Unit		

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exceptions under 2.72.302 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Regulated Permitted Capacity ² (Specify Units)	Date of Manufacture ³	Controlled by Unit #	Source Charac- terization Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CL, SL, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/ Reconstruction ⁵	Emissions tested to Stack #				
T-0438	CR				54,380 bbl	54,380 bbl	6/1/1978	N/A	40301099	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0439	INT				108,740 bbl	108,740 bbl	11/1/1978	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0450	INT				80,570 bbl	80,570 bbl	1/1/1997	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0451	INT				6,850 bbl	6,850 bbl	1/1/2016	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0452	INT				6,850 bbl	6,850 bbl	1/1/2016	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0737	EXT				22,210 bbl	22,210 bbl	1/1/2009	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0802	EXT				11,330 bbl	11,330 bbl	1/1/2002	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0814	CR				11,190 bbl	11,190 bbl	2005	N/A	40301099	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0815	CR				80,930 bbl	80,930 bbl	2005	N/A	40301099	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0821	INT				78,580 bbl	78,580 bbl	1/1/2016	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0834	EXT				40,420 bbl	40,420 bbl	pre-1971	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0835	EXT				68,940 bbl	68,940 bbl	pre-1973	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-0838	CR				30,640 bbl	30,640 bbl	4/3/1977	N/A	40301099	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-1225	EXT				125,890 bbl	125,890 bbl	2009	N/A	40301150	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-1227	CR				33,170 bbl	33,170 bbl	2009	N/A	40301099	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
TVCU	Flaring Vapor Line Catalyst Vapor Combustion Unit (VCLU)					52 lb/hr		N/A	30205021	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
Pigging	Pigging Operations	N/A	N/A	N/A	N/A	N/A		N/A	2310021801	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		

Table 2-A: Regulated Emission Sources

Unit and stack monitoring must correspond throughout the application package. If applying for a NOI under 28.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ² (Specify Units)	Regulated Permitted Capacity ³ (Specify Units)	Date of Manufacture ⁴	Controlled by Unit #	Source Classi- fication Code (SCC)	For Each Piece of Equipment, Check One	HCE Ignition Type (CS, SL, 4SLB, 4SLR, 2SLB) ⁵	Replacing Unit No.
							Date of Construction/ Retest/Overhaul ¹	Emissions covered by Stack #				
T-801/T-836 TO	TOX	John Zink PSC		TBD	10 MMBtu/hr	10 MMBtu/hr	N/A			☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-836 TO	TOX	John Zink PSC		TBD	10 MMBtu/hr	10 MMBtu/hr	N/A			☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
T-401/T-411 TO	TOX	John Zink PSC		TBD	10 MMBtu/hr	10 MMBtu/hr	N/A			☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced		
							8/28/2023	T-801/T-836 TO				
							8/28/2023	T-836 TO				
							10/13/2021	TK-401/411 TO				

¹ Unit numbers must correspond to unit numbers in the previous permit, unless a complete cross reference table of all units in both permits is provided.

² Specify dates required to determine regulatory applicability.

³ To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.

⁴ "4SLB" means four stroke lean burn engine, "4SLR" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition.

⁵ Standby generator engines satisfy the exempt equipment criteria at 28.2.72.202.8(3) NMAC. According to the application instructions, exempt engines shall be listed in Table 2-B rather than Table 2-A. Based on informal guidance received from NMED AQB, Navajo is listing the engines in Table 2-A.

Table 2-B: Insignificant Activities¹ (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 20.2.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be insignificant under 20.2.70 NMAC (and vice versa). Unit & stock numbering must be consistent throughout the application package. For Exemptions Policy 02-012.00 (see http://www.ccr.ny.gov/ugb/policy/ugb_policy02-012.00), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.304.B.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at <https://www.ccr.ny.gov/wp-content/uploads/itvru/2017/01/InsignificantListTitleV.pdf>. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No.	Net Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture/Reconstruction ²	For Each Piece of Equipment, Check One
			Serial No.	Capacity Units	Insignificant Activity criteria (e.g. 1A List Item #1-1)	Date of Installation/Construction ³	
T-0001	DAF Waste Taker Tank				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0002	DAF Waste Taker Tank				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0003	DAF Waste Taker Tank				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0004	DAF Waste Taker Tank				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0016	Brine - Inorganic				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0018	Sewage Line - Inorganic				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0031	Spent Caustic - Inorganic				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0042	Pressurized - Hydrogen				20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
	Pressurized - Propane/Butane				20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0046	Pressurized - Isobutane				20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0064	Caustic - Inorganic				20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0071	Pressurized - Propane				20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0072	Pressurized - Propane				20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		

Table 2-B: Insignificant Activities' (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emission totals for 20.2.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012-00 (see http://www.enr.nm.gov/permits/eqp_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOH facilities under 20.2.73 NMAC. List 20.2.72.301.DA NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at <https://www.enr.nm.gov/wp-content/uploads/sites/2/2017/10/InsignificantListTitleV.pdf>. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture / Reconstruction ¹	For Each Piece of Equipment, Check One
			Serial No.	Capacity Code	Insignificant Activity citation (e.g. 16 Lb from PL-6)	Date of Installation / Construction ²	
T-0072	Pressurized - Propane				20.2.72.202.B.5		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0074	Pressurized - Propane				20.2.72.202.B.5		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0076	Pressurized - Propane				20.2.72.202.B.5		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0114	Pressurized - n-Butane				20.2.72.202.B.5		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0115	Pressurized - n-Butane				20.2.72.202.B.5		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0116	Pressurized - Isobutane				20.2.72.202.B.5		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0119	Pressurized - Isobutane				20.2.72.202.B.5		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0446	Calcium Chloride - Inorganic				20.2.72.202.B.2		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0447	Sulfuric Acid - Inorganic				20.2.72.202.B.2		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0448	Antioxidant - Inorganic				20.2.72.202.B.2		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0449	Cleaner - Inorganic				20.2.72.202.B.2		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0453	Calcium Chloride - Inorganic				20.2.72.202.B.2		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0460	Boiler - Inorganic				20.2.72.202.B.2		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0465	RO Water				20.2.72.202.B.2		☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		

Table 2-B: Insignificant Activities¹ (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Table V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 20.2.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Units & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see <http://www.cer.ran.gov/eqb/psemitagb.pdf>), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Steamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at <https://www.cer.ran.gov/wp-content/uploads/sites/2/2017/06/InsignificantListFileV.pdf>. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture / Reconstruction ²	For Each Piece of Equipment, Check One
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. 1A, List Item 17.A)	Date of Installation / Construction ³	
T-0466	RO Water				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0467	Sulfuric Acid - Inorganic				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0468	Brine - Inorganic				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0469	Soda Ash - Inorganic				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0493	DAF Waste - Wastewater				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0494	DAF Waste - Wastewater				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0495	Caustic - Inorganic				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0499	Wastewater				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0516	Amber			940	20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
				10AL	N/A		
T-0529	RO Reject Tank				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0539	Condensate Water				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0540	Water				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0541	Calcium Chloride - Inorganic				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0491	Groundwater				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		
T-0492	Groundwater				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
					N/A		

Table 2-B: Insignificant Activities¹ (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 20.2.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.ccr.com.gov/ugb/permit/ugb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at <http://www.ccr.com.gov/wp-content/uploads/sites/2/2017/10/InsignificantListTitleV.pdf>. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture (Reconstruction) ²	For Each Piece of Equipment, Check One:
			Serial No.	Capacity Limits	Insignificant Activity Abated (e.g. 1A List Item 91.A)	Date of Installation /Construction ²	
T-1221	RO Water				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
T-1222	RO Water				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
T-1223	Final Clarifier - Organic			84,990 GAL	20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
T-1224	Filter Backwash - Wastewater				20.2.72.202.B.2		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
8504 Misc 1	Catalyst Handling				20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
	Gas Firing Turb			300 GAL	20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
	Direct Firing Turb			300 GAL	20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced
	Sampling Locations				20.2.72.202.B.5		☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To be Modified ☐ To be Replaced

¹ Insignificant activities exempted due to size or production rate are defined in 20.2.70.140.B.4, 20.2.70.7.Q NMAC, and the NMOSDAQ List of Insignificant Activities, dated September 15, 2008. Exemptions from these insignificant activities do not need to be reported, unless specifically requested.

² Specify date(s) required to determine regulatory applicability.

Table 2-C: Emissions Control Equipment

Unit and stack numbering must correspond throughout the application package. Only list control equipment for TAPs if the TAP's maximum uncontrolled emissions rate is over its respective threshold as listed in 20.2.72 NMAC, Subpart V, Tables A and B. In accordance with 20.2.72.203.A(2) and (3) NMAC, 20.2.70.209.D(2)(b) and (c) NMAC, and 20.2.73.206.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device regardless if the applicant takes credit for the reduction in emissions.

Control Equipment Unit No.	Control Equipment Description	Date Installed	Controlled Pollutant(s)	Controlling Emissions for Unit Number(s) ¹	Efficiency (% Control by Weight)	Method used to Estimate Efficiency
D-000/000	WW Collection System Carbon Canisters	Unknown	VOC	D-000/000	0.95	
D-002/002	APIs Carbon Canisters	Unknown	VOC	D-002/002	0.95	
PCC Scrubber	PCC Regenerator Tertiary Cyclones and Wet Gas Scrubber	Unknown	PM10 and SO ₂	PCC Regenerator Vent	PM-85% & SO ₂ -99%	
Chloranb	CCR Regenerator Vent Control		HAP and PM10	CCR Regenerator Vent	0.99	
FL-0400	North Plant Flare		VOC and H ₂ S	Refinery Process Units	0.98	
FL-0401	South Plant Flare		VOC and H ₂ S	Refinery Process Units	0.98	
FL-0402	PCC Flare		VOC and H ₂ S	Refinery Process Units	0.98	
FL-0403	Alky Flare		VOC	Refinery Process Units	0.98	
FL-0404	GGT Flare		VOC and H ₂ S	Refinery Process Units	0.98	
IS-0471 (SRU2 TGD)	SRU2 Tail Gas Incinerator		HCS	SRU1 and SRU2	0.99	
IS-1103 (SRU3 TGD)	SRU3 Tail Gas Incinerator		HCS	SRU3	0.99	
SCR	Selective Catalytic Reduction		NO _x	IS-003	0.64	
TL-002-PORT	Portable Flare for Heavy Energy Partners (HEP) Pipeline Piggings		VOC	Pipeline Piggings Operations	0.99	
TL-4 VCU	John Zink Carbon Adsorption VCU; backup to TL-4 VCU		VOC	TL-4 Gasoline Loading	0.95	
TL-4 VCU	TL-4 Vapor Combustion Unit		VOC	TL-4 Gasoline Loading	0.95	
T-0049	Tank T-0049 carbon canister		VOC	T-0049 Vent	0.95	
Tanks VCU	VCU for Tank Landfills		VOC and H ₂ S	Flaring tanks	0.95	
WWTP	Carbon Canisters at WWTP		VOC	WWTP	0.95	
Y-001, Y-002	Draft Eliminators on Cooling Towers (BACT)		PM	Y-001, Y-002	0*	
T-0737, T-1225	External Flaring Kinds (BACT)		VOC	T-0737, T-1225	0*	
H-2502, H-3402, H-3101	Ultra-low NO _x burners		NO _x	H-2502, H-3402, H-3101	0*	
T-001/T-030 TO	Thermal Oxidizer	8/26/2023	VOC	T-001/T-030	0.99	Vendor Guarantee
T-036 TO	Thermal Oxidizer	8/26/2023	VOC	T-036	0.99	Vendor Guarantee
T-001/T-411 TO	Thermal Oxidizer	8/26/2023	VOC	T-001/T-411	0.99	Vendor Guarantee

¹ Use each control device as a separate line. For each control device, list all emission units controlled by the control device.

* Nejo interprets the undefined term "emissions control equipment" consistent with the definition of the term "control device" in the Federal Compliance Assessment Monitoring rule, 40 CFR § 60.2. Consistent with this interpretation, Nejo generally has listed only active control devices in this table and has not listed passive control measures that act to prevent pollutants from forming (such as the use of seals, gaskets, or roofs), use of low-polluting fuel or feedstocks, or the use of combustion or other process design features or characteristics (such as low-NO_x burners). However, based on informal guidance from NMED AQB, and notwithstanding the application exemptions, Nejo has listed in this table certain passive control measures which NMED has not specified in establishing BACT.

Table 2-D: Maximum Emissions (under normal operating conditions)

^a This Table was intentionally left blank because it would be identical to Table 2-E.

Maximum Emissions are the emissions at maximum capacity and prior to (in the absence of) pollution control, emission-reducing process equipment, or any other emission reductions. Calculate the hourly emissions using the worst case hourly emissions for each pollutant. For each pollutant, calculate the annual emissions as if the facility were operating at maximum plant capacity without pollution controls for 8760 hours per year, unless otherwise approved by the Department. List Hazardous Air Pollutants (HAPs) and Toxic Air Pollutants (TAPs) in Table 3-1. Use a code numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "0" symbol. A "0" symbol indicates that emissions of the pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g., 0.01, 1.01, or 1.01E-01).

[illegible]

^aCondensable Particulate Matter: Include condensable particulate matter emissions for PM₁₀ and PM_{2.5} if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is not equal to PM₁₀ and PM_{2.5}. Particulate matter (PM) is not subject to an ambient air quality standard, but PM is a regulated air pollutant under PSD (20.1.74 NMAC) and Title V (20.1.76 NMAC).

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E⁻⁶).

Unit No.	NOx		CO		VOC		SOx		PM ^{2.5}		PM10 ¹		PM2.5 ¹		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
B-0007	12.90	56.50	19.70	86.20	1.30	5.60	8.00	13.90	1.80	7.80	1.80	7.80	1.80	7.80	-	-	-	-
B-0008	12.90	56.50	19.70	86.20	1.30	5.60	8.00	13.90	1.80	7.80	1.80	7.80	1.80	7.80	-	-	-	-
B-0009	4.89	21.41	9.00	39.61	0.98	4.28	2.89	12.67	1.82	7.98	1.82	7.98	1.82	7.98	-	-	-	-
H-0009	4.00	17.30	4.00	17.60	0.30	1.20	1.60	2.80	0.40	1.60	0.40	1.60	0.40	1.60	-	-	-	-
H-0011	9.50	31.70	3.50	15.30	0.20	1.00	1.40	2.50	0.30	1.40	0.30	1.40	0.30	1.40	-	-	-	-
H-0018	3.50	15.30	2.90	12.80	0.20	0.80	1.20	2.10	0.30	1.20	0.30	1.20	0.30	1.20	-	-	-	-
H-0019	2.90	12.50	4.90	21.60	0.30	1.40	2.00	3.50	0.40	2.00	0.40	2.00	0.40	2.00	-	-	-	-
H-0020	4.80	21.10	8.20	36.10	0.50	2.40	3.40	5.80	0.80	3.30	0.80	3.30	0.80	3.30	-	-	-	-
H-0028	2.20	9.50	1.10	4.90	0.10	0.30	0.50	0.80	0.10	0.40	0.10	0.40	0.10	0.40	-	-	-	-
H-0030	3.20	14.00	3.80	16.90	0.30	1.10	1.60	2.70	0.40	1.50	0.40	1.50	0.40	1.50	-	-	-	-
H-0040	3.80	16.60	3.80	16.90	0.30	1.10	1.60	2.70	0.40	1.50	0.40	1.50	0.40	1.50	-	-	-	-
H-0312	4.60	20.20	3.20	14.00	0.20	0.90	1.30	2.30	0.30	1.30	0.30	1.30	0.30	1.30	-	-	-	-
H-0352, H-0353, H-0354	9.00	39.40	18.30	80.20	1.20	5.20	8.10	15.60	1.70	7.20	1.70	7.20	1.70	7.20	-	-	-	-
H-0355	2.50	11.00	2.60	11.20	0.20	0.70	1.10	2.20	0.20	1.00	0.20	1.00	0.20	1.00	-	-	-	-
H-0362, H-0363, H-0364	6.90	30.10	11.40	50.10	0.80	3.30	5.00	9.70	1.00	4.50	1.00	4.50	1.00	4.50	-	-	-	-
H-0421	2.40	10.60	2.50	10.80	0.20	0.70	1.00	1.70	0.20	1.00	0.20	1.00	0.20	1.00	-	-	-	-
H-0464	0.50	2.30	0.90	3.80	0.10	0.30	0.40	0.60	0.10	0.40	0.10	0.40	0.10	0.40	-	-	-	-
H-0600	4.70	20.40	7.70	33.70	0.50	2.20	3.10	5.40	0.70	3.00	0.70	3.00	0.70	3.00	-	-	-	-
H-0601	3.50	15.40	7.10	31.30	0.50	2.00	2.90	5.00	0.60	2.80	0.60	2.80	0.60	2.80	-	-	-	-
H-2421	1.20	5.30	2.50	10.80	0.20	0.70	1.00	1.60	0.20	1.00	0.20	1.00	0.20	1.00	-	-	-	-
H-2501	3.60	15.80	7.20	31.50	0.70	3.20	4.40	7.20	1.00	4.30	1.00	4.30	1.00	4.30	-	-	-	-
H-3101	0.30	1.40	1.00	4.30	0.10	0.30	0.40	0.70	0.10	0.40	0.10	0.40	0.10	0.40	-	-	-	-
H-3402	1.60	6.80	4.70	20.50	0.30	1.40	1.90	3.10	0.40	1.90	0.40	1.90	0.40	1.90	-	-	-	-
H-3403	1.00	4.20	2.90	12.80	0.20	0.80	1.20	1.90	0.30	1.20	0.30	1.20	0.30	1.20	-	-	-	-
H-5401	0.77	3.40	0.64	2.80	0.12	0.50	0.72	1.30	0.20	0.70	0.20	0.70	0.20	0.70	-	-	-	-
H-8801/8802	8.70	38.00	13.90	60.90	0.90	4.00	2.80	5.00	1.30	5.50	1.30	5.50	1.30	5.50	-	-	-	-
H-9851	4.21	18.45	20.22	88.60	2.02	8.84	6.32	11.00	2.80	12.30	2.80	12.30	2.80	12.30	-	-	-	-
H-0473 (SRU2 TOI)	6.50	28.50	27.70	121.20	0.10	0.60	30.00	81.80	3.50	8.40	3.50	8.40	3.50	8.40	0.30	1.40	-	-
H-3103 (SRU3 TOI)	6.50	28.50	15.00	65.80	0.10	0.60	30.00	82.20	3.40	8.40	3.40	8.40	3.40	8.40	0.30	1.40	-	-
FCC REGEN	34.90	101.80	121.80	106.70	15.70	68.60	27.90	61.00	25.00	109.50	22.90	95.60	22.90	95.60	-	-	-	-
FL0400	3.47	5.45	14.23	22.35	26.01	32.70	4.48	3.92	-	-	-	-	-	-	0.05	0.04	-	-

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E⁻⁴).

Unit No.	NO _x		CO		VOC		SO _x		PM ¹		PM ₁₀ ¹		PM _{2.5} ²		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
FL0401	1.66	1.85	6.82	7.58	19.72	2.51	57.35	5.88	-	-	-	-	-	-	0.61	0.06	-	-
FL0402	8.11	2.21	33.29	9.08	98.18	7.72	98.54	5.58	-	-	-	-	-	-	1.05	0.06	-	-
FL0403	2.74	2.53	11.25	10.38	32.54	13.57	1.10	0.76	-	-	-	-	-	-	0.01	0.01	-	-
FL0404	11.70	23.49	48.01	96.40	160.50	99.85	39.92	11.14	-	-	-	-	-	-	0.42	0.12	-	-
MG-0001	1.80	8.10	1.60	7.10	1.80	8.10	3.00E-03	0.02	0.09	0.40	0.09	0.40	0.09	0.40	-	-	-	-
MG-0002	1.80	8.10	1.60	7.10	1.80	8.10	3.00E-03	0.02	0.09	0.40	0.09	0.40	0.09	0.40	-	-	-	-
MG-0003	0.09	0.40	1.10	5.00	0.04	0.20	3.00E-03	0.02	0.09	0.40	0.09	0.40	0.09	0.40	-	-	-	-
Y-0001a	-	-	-	-	0.25	1.10	-	-	0.05	0.23	0.03	0.14	1.19E-04	5.20E-04	-	-	-	-
Y-0002	-	-	-	-	0.20	0.90	-	-	0.30	1.20	0.20	0.70	1.00E-03	3.00E-03	-	-	-	-
Y-0008	-	-	-	-	0.50	2.30	-	-	0.60	2.70	0.40	1.60	2.00E-03	0.01	-	-	-	-
Y-0011	-	-	-	-	1.30	5.50	-	-	0.50	2.30	0.30	1.40	2.00E-03	0.01	-	-	-	-
Y-0012	-	-	-	-	0.40	1.80	-	-	0.20	0.80	0.10	0.50	4.00E-04	2.00E-03	-	-	-	-
CT TT-0006	-	-	-	-	1.10	4.70	-	-	0.16	0.69	0.09	0.42	4.00E-04	1.70E-03	-	-	-	-
Collection Sump	-	-	-	-	0.02	0.08	-	-	-	-	-	-	-	-	-	-	-	-
T-0830 Stormwater Surge Tank	-	-	-	-	5.00E-04	2.40E-03	-	-	-	-	-	-	-	-	-	-	-	-
S1/T1 API-894/API-895	-	-	-	-	1.00E-04	6.00E-04	-	-	-	-	-	-	-	-	-	-	-	-
T-801/T-836	-	-	-	-	1.34	5.85	-	-	-	-	-	-	-	-	-	-	-	-
T-805 Flocculator	-	-	-	-	2.00E-03	0.01	-	-	-	-	-	-	-	-	-	-	-	-
T-896/T-806 DAF	-	-	-	-	1.64	7.18	-	-	-	-	-	-	-	-	-	-	-	-
T-897 DAF Surge Open Sump	-	-	-	-	0.01	0.02	-	-	-	-	-	-	-	-	-	-	-	-

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E³).

Unit No.	NO _x		CO		VOC		SO _x		PM ¹		PM ₁₀ ¹		PM _{2.5} ¹		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
D-0810 / 0811 & D-0808 / 0809 Filters	-	-	-	-	1.10E-07	4.70E-07	-	-	-	-	-	-	-	-	-	-	-	-
T-809 DAF Surge Tank	-	-	-	-	4.00E-04	0.02	-	-	-	-	-	-	-	-	-	-	-	-
TLO-1	-	-	-	-	14.60	14.50	-	-	-	-	-	-	-	-	0.01	0.01	-	-
TL-2	-	-	-	-	12.50	3.90	-	-	-	-	-	-	-	-	0.01	2.00E-03	-	-
TL-4	-	-	-	-	4.50	4.80	-	-	-	-	-	-	-	-	0.02	0.03	-	-
TL-7	-	-	-	-	12.20	1.90	-	-	-	-	-	-	-	-	<	<	-	-
RLO-8	-	-	-	-	19.90	6.40	-	-	-	-	-	-	-	-	0.01	1.00E-03	-	-
RLO-19	-	-	-	-	85.60	11.70	-	-	-	-	-	-	-	-	0.03	3.00E-03	-	-
TLO-20	-	-	-	-	25.00	3.80	-	-	-	-	-	-	-	-	0.01	2.00E-03	-	-
TRLO-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.02	-	-
TL4-VCU	1.97	1.23	1.97	1.22	0.05	1.00E-03	0.51	0.01	0.11	0.07	0.11	0.07	0.11	0.07	-	-	-	-
Fugitives	-	-	-	-	-	484.23	-	-	-	-	-	-	-	-	-	-	-	-
Tanks (all)	-	-	-	-	-	226.52	-	-	-	-	-	-	-	-	0.69	0.58	-	-
Fixed Roof Tanks	-	-	-	-	-	88.86	-	-	-	-	-	-	-	-	0.69	0.06	-	-
Floating-Roof Tanks	-	-	-	-	-	137.66	-	-	-	-	-	-	-	-	2.70E-04	0.52	-	-
T-836 TO	1.42	6.22	0.82	3.59	0.11	0.48	-	-	0.08	0.34	0.08	0.34	0.08	0.34	-	-	-	-
T-801 TO	1.42	6.22	0.82	3.59	0.11	0.48	-	-	0.08	0.34	0.08	0.34	0.08	0.34	-	-	-	-
T-401/T-411 TO	1.42	6.22	0.82	3.59	0.11	0.48	-	-	0.08	0.34	0.08	0.34	0.08	0.34	-	-	-	-
Totals	285.57	745.98	474.19	1,292.89	531.96	1,317.45	363.64	390.02	53.95	221.49	51.16	204.42	50.05	199.69	4.22	4.32	0.00	0.00

¹ Condensable Particulate Matter: Include condensable particulate matter emissions for PM₁₀ and PM_{2.5} if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM₁₀ and PM_{2.5}. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.34 NMAC) and Title V (20.2.70 NMAC).

Table 2-F: Additional Emissions during Startup, Shutdown, and Routine Maintenance (SSM)

□ This table is intentionally left blank since all emissions at this facility due to routine or predictable startup, shutdown, or scheduled maintenance are no higher than those listed in Table 2-E and a malfunction emission limit is not already permitted or requested. If you are required to report GHG emissions as described in Section 6a, include any GHG emissions during Startup, Shutdown, and/or Scheduled Maintenance (SSM) in Table 2-F. Provide an explanation of SSM emissions in Section 6 and 6a.

All applications for facilities that have emissions during routine or predictable startup, shutdown or scheduled maintenance (SSM)¹, including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.aem.nm.gov/airq/pemis/ghg_pol.html) for more detailed instructions. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM ¹		PM10 ²		PM2.5 ³		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
SSM H-9931	11.23	1.35	20.2	2.4	2.0	0.2	6.32	0.3	2.8	0.3	2.8	0.3	2.8	0.3	-	-	-	-
SSM H-6473 (SRU2 TGI)	6.5	0.83	27.7	0.12	0.1	0.0005	135.0	0.38	11.53	0.03	11.53	0.03	11.53	0.03	1.44	0.004	-	-
SSM H-3193 (SRU3 TGI)	6.5	0.83	15.0	0.07	0.1	0.0005	50.0	0.23	4.93	0.02	4.93	0.02	4.93	0.02	0.53	0.002	-	-
SSM Flare Cap	162.9	18.3	1,243.0	77.0	1,376.3	68.7	1,133.4	14.9	-	-	-	-	-	-	12.04	0.16	-	-
SSM FL-H2P-PORT	11.56	0.69	50.12	0.38	166.70	0.80	0.11	0.001	-	-	-	-	-	-	0.001	-	-	-
SSM Tanks	-	-	-	-	53.9	8.1	-	-	-	-	-	-	-	-	0.82	3.60E-03	-	-
SSM T-0737	-	-	-	-	0.24	0.004	-	-	-	-	-	-	-	-	0.02	7.33E-04	-	-
SSM Tank VCU	0.17	0.037	0.17	0.033	2.6	0.21	0.05	0.02	0.009	0.002	0.009	0.002	0.009	0.002	0.001	<	-	-
SSM Misc 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSM Misc 2	17.0	1.9	127.1	7.8	137.7	6.9	129.3	1.6	2.23	0.27	2.23	0.27	2.23	0.27	0.70	0.16	-	-
SSM Tugging	-	-	-	-	24.79	0.64	-	-	-	-	-	-	-	-	-	-	-	-
Malfunction Cap	-	10.00	-	10.00	-	10.00	-	10.00	-	-	-	-	-	-	-	1.00	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	235.87	31.73	1,483.33	97.83	1,782.35	95.97	1,454.18	27.42	21.49	0.66	21.49	0.66	21.49	0.66	14.76	1.27	8.00	0.00

¹ For instance, if the short-term steady-state Table 2-E emissions are 1 lb/hr and the SSM rate is 12 lb/hr, enter 7 lb/hr in this table. If the annual steady-state Table 2-E emissions are 21.9 TPY, and the number of scheduled SSM events result in annual emissions of 31.9 TPY, enter 10.0 TPY in the table below.

² Condensable Particulate Matter: include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM since PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.34 NMAC) and Title V (20.2.50 NMAC).

Table 2-II: Stack Exit Conditions

Unit and stack numbering must correspond throughout the application package. Include the stack exit conditions for each unit that emits from a stack, including blowdown venting parameters and task emissions. If the facility has multiple operating scenarios, complete a separate Table 2-II for each scenario and, for each, type scenario name here:

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H=Horizontal V=Vertical)	Roof Caps	Height Above	Temp.	Flow Rate		Moisture by	Velocity	Inside Diameter (ft)
			(Yes or No)	Ground (ft)	(F)	(scfh)	(dscfh)	Volume (%)	(ft/sec)	
B0007	B-0007	V	No	75	275	1,036.39	347.33		47.90	5.25
B0008	B-0008	V	No	64	250	998.28	345.20		62.80	4.50
B0009	B-0009	V	No	60	300	906.11	652.82		47.70	5.00
B0009	B-0009	V	No	79	579	244.34	852.35		17.90	4.50
B0011	B-0011	V	No	80	850	336.56	132.12		26.00	4.00
B0018	B-0018	V	No	71	700	544.92	111.90		19.50	4.00
B0019	B-0019	V	No	155	450	321.34	187.27		21.40	4.50
B0020	B-0020	V	No	175	570	404.63	277.46		12.20	6.50
B0028	B-0028	V	No	50	850	105.23	42.37		18.80	2.67
B0030	B-0030	V	No	67	575	282.68	144.71		22.50	4.00
B0040	B-0040	V	No	101	590	286.37	144.55		22.80	4.00
B0312	B-0312	V	No	96	675	236.22	179.65		20.40	4.00
B0352_54	B-0352, B-0353, B-0354	V	No	211	300	991.68	691.56		16.30	8.75
B0355	B-0355	V	No	133	442	140.83	82.74		28.70	2.50
B0362_64	B-0362, B-0363, B-0364	V	No	206	338	638.06	431.24		16.90	7.00
B0421	B-0421	V	No	92	650	196.51	91.83		23.70	3.25
B0464	B-0464	V	No	80	450	56.99	33.19		9.60	3.75
B0600	B-0600	V	No	177	300	548.15	302.62		31.00	4.40
B0601	B-0601	V	No	131	360	384.73	248.30		11.60	6.50
B2421	B-2421	V	No	97	890	238.48	97.63		24.80	3.50
B2501	B-2501	V	No	163	720	914.42	414.23		19.00	7.83

Table 2-H: Stack Exit Conditions

Unit and stack numbering must correspond throughout the application package. Include the stack exit conditions for each unit that emits from a stack, including blowdown venting parameters and tank emissions. If the facility has multiple operating scenarios, complete a separate Table 2-H for each scenario and, for each, type scenario name here:

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H=Horizontal V=Vertical)	Rain Caps	Height Above	Temp.	Flow Rate		Mistors by	Velocity	Inside Diameter (ft)
			(Yes or No)	Ground (ft)	(°F)	(acft)	(bsch)	Volume (%)	(ft/sec)	
H1101	H-1101	V	No	80	430	57.11	13.26		9.82	2.72
H1402	H-1402	V	No	67	515	358.42	179.64		27.50	4.00
H1403	H-1403	V	No	86	705	243.64	110.85		19.48	4.00
H1401	H-1401	V	No	83	643	62.21	29.85		8.81	3.00
H1881_02	H-1881, H-1882	V	No	150	600	869.66	434.80		75.46	5.83
H1953	H-1951	V	No	136	310	1,808.30	1,222.47		23.80	10.00
H1977	H-1977 (SRU2 TGR)	V	No	150	1,150	555.15	162.75		44.26	4.00
H1161	H-1161 (SRU3 TGR)	V	No	150	1,200	626.74	280.11		49.96	4.00
PCCBEGEN	PCC Regen	V	No	133	125	799.76	724.37		28.30	6.00
FL1400	FL-1400	V	No	395	1,832	13,363.93	3,999.26		65.60	16.11
FL1401	FL-1401	V	No	142	1,832	4,750.21	1,918.43		65.60	9.60
FL1402	FL-1402	V	No	305	1,832	4,453.53	1,925.21		65.60	9.28
FL1403	FL-1403	V	No	499	1,832	19,473.87	4,561.34		65.60	19.45
FL1404	FL-1404	V	No	568	1,832	34,834.89	8,055.19		65.60	26.01
VG143	MG-0001	V	No	6	1,000	21.35	7.75		244.82	0.33
VG145	MG-0002	V	No	6	1,000	21.35	7.75		244.82	0.33
VG146	MG-0003	V	No	6	1,000	19.71	7.16		225.99	0.33
VG111	MG-0004	V	No	8	1,000	25.05	9.09		287.19	0.33
GG190	SG-0100	V	No	10	1,000	5.61	1.82		229.54	0.17
GG181	SG-0100	V	No	12	1,000	5.28	1.89		238.68	0.17
GG182	SG-0100	V	No	10	1,000	50.76	10.99		254.00	0.33
EG100W	PWG-0000	V	No	4	1,000	50.88	11.23		254.04	0.33

Table 2-II: Stack Exit Conditions

Unit and stack numbering must correspond throughout the application package. Include the stack exit conditions for each unit that exists from a stack, including blowdown venting parameters and task emissions. If the facility has multiple operating scenarios, complete a separate Table 2-II for each scenario and, for each, type scenario name here:

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H=Horizontal V=Vertical)	Rain Caps	Height Above	Temp.	Flow Rate		Moisture by	Velocity	Inside Diameter (ft)
			(Yes or No)	Ground (ft)	(F)	(scfh)	(dscfh)	Volume (%)	(ft/sec)	
E0601M	FWG-0601	H	No	4	1,000	30.81	11.21		354.04	0.33
E0601E	FWG-0602	V	No	4	1,000	30.88	11.21		354.04	0.33
E0603	FWG-0603	V	No	4	1,000	25.05	9.04		297.19	0.33
Y0001	Y-0001a	V	No	14	100	1,256.00	1,188.71		25.00	8.00
Y0002	Y-0002	V	No	14	100	1,256.00	1,188.71		25.00	8.00
Y0004	Y-0004	V	No	14	100	1,256.00	1,188.71		25.00	8.00
Y0011	Y-0011	V	No	14	100	1,256.00	1,188.71		25.00	8.00
Y0012	Y-0012	V	No	14	100	1,256.00	1,188.71		25.00	8.00
CTT0006	CTT-0006	V	No	14	100	1,256.00	1,188.71		25.00	8.00
TL4VCL	TL4-VCL	V	No	80	1,832	791.70	483.07		63.60	3.90
TVCL	TVCL	V	No	80	1,832	791.70	483.07		63.60	3.90
T-435/T-439 TO	T-435/T-439	V	No	12' 8 3/8"	1,500	364.48			30.00	5.50
T-436 TO	T-436	V	No	12' 8 3/8"	1,500	364.48			30.00	5.50
T-440/T-441 TO	T-440/T-441	V	No	12' 8 3/8"	1,500	364.48			30.00	5.50

Table 1-2. Stock Est and Pupples Estimation Rates for HAPs and TAPs

Stock No.	Fish Type	Year 1			Year 2			Year 3			Year 4			Year 5			Year 6			Year 7			Year 8			Year 9			Year 10		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
HAPs	Stock	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
	Est	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
TAPs	Stock	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
	Est	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000

Table 2-6: South East and Positive Exclusion Rates for HAPs and TAPs

[illegible]

Table 2-J: Fuel

Specify fuel characteristics and usage. Unit and stack numbering must correspond throughout the application package.

Unit No.	Fuel Type (low sulfur diesel, ultra low sulfur diesel, Natural Gas, Coal, ...)	Fuel Source: purchased commercial, pipeline quality natural gas, residue gas, re-refined natural gas, process gas (e.g. SRU tail gas) or other	Specify Units				
			Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
B-0007	Refinery Fuel Gas	Process gas	149 Btu/scf	238.9 MMBtu/hr (HHV)	2,092,457 MMBtu/yr (HHV)	0.02	0
B-0008	Refinery Fuel Gas	Process gas	149 Btu/scf	238.9 MMBtu/hr (HHV)	2,092,457 MMBtu/yr (HHV)	0.02	0
B-0009	Refinery Fuel Gas	Process gas	945 Btu/scf	244.4 MMBtu/hr (HHV)	2,141,119 MMBtu/yr (HHV)	0.01	0
H-0009	Refinery Fuel Gas	Process gas	149 Btu/scf	48.9 MMBtu/hr (HHV)	426,224 MMBtu/yr (HHV)	0.02	0
H-0011	Refinery Fuel Gas	Process gas	149 Btu/scf	42.2 MMBtu/hr (HHV)	368,830 MMBtu/yr (HHV)	0.02	0
H-0018	Refinery Fuel Gas	Process gas	149 Btu/scf	35.6 MMBtu/hr (HHV)	311,436 MMBtu/yr (HHV)	0.02	0
H-0019	Refinery Fuel Gas	Process gas	149 Btu/scf	60.0 MMBtu/hr (HHV)	525,547 MMBtu/yr (HHV)	0.02	0
H-0020	Refinery Fuel Gas	Process gas	149 Btu/scf	100.0 MMBtu/hr (HHV)	875,912 MMBtu/yr (HHV)	0.02	0
H-0028	Refinery Fuel Gas	Process gas	149 Btu/scf	13.7 MMBtu/hr (HHV)	119,708 MMBtu/yr (HHV)	0.02	0
H-0030	Refinery Fuel Gas	Process gas	149 Btu/scf	46.7 MMBtu/hr (HHV)	408,759 MMBtu/yr (HHV)	0.02	0
H-0040	Refinery Fuel Gas	Process gas	149 Btu/scf	46.7 MMBtu/hr (HHV)	408,759 MMBtu/yr (HHV)	0.02	0
H-0112	Refinery Fuel Gas	Process gas	149 Btu/scf	38.9 MMBtu/hr (HHV)	340,633 MMBtu/yr (HHV)	0.02	0
H-0152, H-0153, H-0154	Refinery Fuel Gas	Process gas	149 Btu/scf	222.2 MMBtu/hr (HHV)	1,946,472 MMBtu/yr (HHV)	0.02	0
H-0155	Refinery Fuel Gas	Process gas	149 Btu/scf	31.1 MMBtu/hr (HHV)	272,506 MMBtu/yr (HHV)	0.02	0
H-0162, H-0163, H-0164	Refinery Fuel Gas	Process gas	149 Btu/scf	138.9 MMBtu/hr (HHV)	1,216,545 MMBtu/yr (HHV)	0.02	0
H-0421	Refinery Fuel Gas	Process gas	149 Btu/scf	58.0 MMBtu/hr (HHV)	502,774 MMBtu/yr (HHV)	0.02	0
H-0464	Refinery Fuel Gas	Process gas	149 Btu/scf	10.7 MMBtu/hr (HHV)	93,431 MMBtu/yr (HHV)	0.02	0
H-0600	Refinery Fuel Gas	Process gas	149 Btu/scf	93.3 MMBtu/hr (HHV)	817,518 MMBtu/yr (HHV)	0.02	0

Table 2-J: Fuel

Specify fuel characteristics and usage. Unit and stack numbering must correspond throughout the application package.

Unit No.	Fuel Type (low sulfur diesel, ultra low sulfur diesel, Natural Gas, Coal, ...)	Fuel Source: purchased commercial, pipeline quality natural gas, residue gas, raw/field natural gas, process gas (e.g. SRU tail gas) or other	Specify Units				
			Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
H-0601	Refinery Fuel Gas	Process gas	749 Btu/scf	86.7 MMBtu/hr (HHV)	759,124 MMBtu/yr (HHV)	0.02	0
H-2421	Refinery Fuel Gas	Process gas	749 Btu/scf	30.0 MMBtu/hr (HHV)	262,774 MMBtu/yr (HHV)	0.02	0
H-2501	Refinery Fuel Gas	Process gas	749 Btu/scf	133.3 MMBtu/hr (HHV)	1,167,883 MMBtu/yr (HHV)	0.02	0
H-3101	Refinery Fuel Gas	Process gas	749 Btu/scf	12.2 MMBtu/hr (HHV)	107,056 MMBtu/yr (HHV)	0.02	0
H-3402	Refinery Fuel Gas	Process gas	749 Btu/scf	57.8 MMBtu/hr (HHV)	506,083 MMBtu/yr (HHV)	0.02	0
H-3403	Refinery Fuel Gas	Process gas	749 Btu/scf	25.6 MMBtu/hr (HHV)	211,436 MMBtu/yr (HHV)	0.02	0
H-5401	Refinery Fuel Gas	Process gas	749 Btu/scf	21.5 MMBtu/hr (HHV)	188,029 MMBtu/yr (HHV)	0.02	0
H-8801/8802	PSA Offgas & Refinery Fuel Gas	Process gas	PSA Offgas: 915 Btu/scf RFG: 749 Btu/scf	168.9 MMBtu/hr (HHV)	1,479,319 MMBtu/yr (HHV)	PSA Offgas: 0.0001 Btu/scf RFG: 0.02 Btu/scf	0
H-8851	PSA Offgas & Refinery Fuel Gas	Process gas	PSA Offgas: 915 Btu/scf RFG: 749 Btu/scf	374.4 MMBtu/hr (HHV)	3,279,805 MMBtu/yr (HHV)	PSA Offgas: 0.0001 Btu/scf RFG: 0.02 Btu/scf	0
MG-0001	Diesel	Refinery Product	137,000 Btu/gal	4.5 MMBtu/hr (HHV)	39,245 MMBtu/yr (HHV)	0.0015	0
MG-0002	Diesel	Refinery Product	137,000 Btu/gal	4.88 MMBtu/hr	39,245 MMBtu/yr	0.0015	0
MG-0003	Diesel	Refinery Product	137,000 Btu/gal	2.2 MMBtu/hr (HHV)	19,342 MMBtu/yr (HHV)	0.0015	0
MG-0004	Diesel	Refinery Product	137,000 Btu/gal	11.20 MMBtu/hr	98,112 MMBtu/yr	0.0015	0
SG-0100	Diesel	Refinery Product	137,000 Btu/scf	0.8 MMBtu/hr (HHV)	7,088 MMBtu/yr (HHV)	0.0015	0
SG-0101	Diesel	Refinery Product	137,000 Btu/gal	0.86 MMBtu/hr	7,569 MMBtu/yr	0.0015	0
SG-0102	Diesel	Refinery Product	137,000 Btu/scf	1.6 MMBtu/hr (HHV)	13,908 MMBtu/yr (HHV)	0.0015	0
FWG-0000	Diesel	Refinery Product	137,000 Btu/gal	6.02 MMBtu/hr	52,700 MMBtu/yr	0.0015	0
FWG-0001	Diesel	Refinery Product	137,000 Btu/scf	6.0 MMBtu/hr (HHV)	52,700 MMBtu/yr (HHV)	0.0015	0
FWG-0002	Diesel	Refinery Product	137,000 Btu/gal	6.02 MMBtu/hr	52,700 MMBtu/yr	0.0015	0

Table 2-J: Fuel

Specify fuel characteristics and usage. Unit and stack numbering must correspond throughout the application package.

Unit No.	Fuel Type (low sulfur diesel, ultra low sulfur diesel, Natural Gas, Coal, ...)	Fuel Source (purchased commercial, pipeline quality natural gas, residue gas, raw/field natural gas, process gas (e.g. SRU tail gas) or other)	Specify Units				
			Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
FWG-0603	Diesel	Refinery Product	137,500 Btu/lb	4.9 MMBtu/hr (HHV)	43,749 MMBtu/yr (HHV)	0.0013	0
T-401/T-430 TO	Propane	Other	91.5 MMBtu/kgal	0.75 kgal/hr	6552.50 kgal/yr	0.0000	0
T-436 TO	Propane	Other	91.5 MMBtu/kgal	0.75 kgal/hr	6552.50 kgal/yr	0.0000	0
T-401/T-411 TO	Propane	Other	91.5 MMBtu/kgal	0.75 kgal/hr	6552.50 kgal/yr	0.0000	0

Table 2-K: Liquid Data for Tanks Listed in Table 2-L

For each tank, list the liquid(s) to be stored in each tank. If it is expected that a tank may store a variety of hydrocarbon liquids, enter "mixed hydrocarbons" in the Composition column for that tank and enter the corresponding data of the most volatile liquid to be stored in the tank. If tank is to be used for storage of different materials, list all the materials in the "All Calculations" attachment, run the newest version of TANKS on each, and use the material with the highest emission rate to determine maximum uncontrolled and requested allowable emissions rate. The permit will specify the most volatile category of liquids that may be stored in each tank. Include appropriate tank-flashing modeling input data. Use additional sheets if necessary. Unit and tank numbering must correspond throughout the application package.

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb-mole)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)
T-0110	40301099	Low Vapor Pressure	Varies	Varies	64	289.3	0.94	317	0.1
T-0111	40301150	High Vapor Pressure	Varies	5.60	62	77.9	10.0	100	11.1
T-0112	40301150	Moderate Vapor Pressure	Varies	6.40	80	67.2	1.9	100	11.1
T-0117	40301150	Moderate Vapor Pressure	Varies	6.40	80	67.7	1.9	100	11.1
T-0124	40301150	High Vapor Pressure	Varies	5.60	62	68.0	3.4	100	11.1
T-0400	40301099	Low Vapor Pressure	Varies	7.10	130	131.2	0.1	144	1.5
T-0401	40301150	High Vapor Pressure	Varies	5.60	62	73.0	9.2	100	11.1
T-0402	40301150	Moderate Vapor Pressure	Varies	5.60	66	77.2	7.1	100	11.1
T-0410	40301099	Low Vapor Pressure	Varies	Varies	64	278.5	0.03	312	1.5
T-0411	40301150	High Vapor Pressure	Varies	5.60	62	69.1	8.6	100	11.1
T-0412	40301150	Moderate Vapor Pressure	Varies	6.40	80	68.3	1.9	100	11.1
T-0413	40301150	Moderate Vapor Pressure	Varies	7.00	130	72.9	0.5	100	11.1
T-0415	40301150	High Vapor Pressure	Varies	5.60	62	67.4	4.3	100	11.1
T-0417	40301150	High Vapor Pressure	Varies	5.60	62	71.3	8.9	100	11.1
T-0418	40301150	High Vapor Pressure	Varies	7.00	130	75.2	0.5	100	11.1
T-0419	40301099	Low Vapor Pressure	Varies	7.10	130	75.7	0.01	83	0.5
T-0420	40301099	Low Vapor Pressure	Varies	Varies	64	131.4	0.0002	319	0.7
T-0422	40301099	Low Vapor Pressure	Varies	7.00	130	99.8	0.03	106	0.03
T-0423	40301099	Low Vapor Pressure	Varies	7.00	130	106.4	0.03	113	0.04
T-0431	40301099	Low Vapor Pressure	Varies	7.10	130	177.8	0.2	266	0.8
T-0432	40301099	Low Vapor Pressure	Varies	7.10	130	186.5	0.2	259	0.7
T-0433	40301099	Low Vapor Pressure	Varies	7.10	130	120.7	0.1	130	0.1
T-0434	40301099	Low Vapor Pressure	Varies	7.10	130	84.7	0.04	100	<0.25

Table 2-K: Liquid Data for Tanks Listed in Table 2-L.

For each tank, list the liquid(s) to be stored in each tank. If it is expected that a tank may store a variety of hydrocarbon liquids, enter "mixed hydrocarbons" in the Composition column for that tank and enter the corresponding data of the most volatile liquid to be stored in the tank. If tank is to be used for storage of different materials, list all the materials in the "All Calculations" attachment, use the newest version of TANKS on each, and use the material with the highest emission rate to determine maximum uncontrolled and requested allowable emissions rate. The permit will specify the most volatile category of liquids that may be stored in each tank. Include appropriate tank-flashing modeling input data. Use additional sheets if necessary. Unit and stock numbering must correspond throughout the application package.

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb-mol)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)
T-0435	40301150	Moderate Vapor Pressure	Varies	5.60	66	66.7	6.6	100	11.1
T-0437	40301150	High Vapor Pressure	Varies	7.10	54	69.2	6.9	100	11.1
T-0438	40301099	Low Vapor Pressure	Varies	7.10	130	99.0	0.03	152	1.5
T-0439	40301150	Moderate Vapor Pressure	Varies	5.60	66	71.3	7.5	100	11.1
T-0450	40301150	Moderate Vapor Pressure	Varies	5.60	66	72.3	7.6	100	11.1
T-0451	40301150	Moderate Vapor Pressure	Varies	7.10	130	74.5	0.4	100	11.1
T-0452	40301150	Moderate Vapor Pressure	Varies	6.59	46.07	66.3	0.8	100	11.1
T-0717	40301150	Moderate Vapor Pressure	Varies	5.60	66	66.8	6.6	100	11.1
T-0802	40301150	Moderate Vapor Pressure	Varies	5.60	66	66.7	6.6	100	11.1
T-0814	40301099	Low Vapor Pressure	Varies	Varies	84	170.3	0.3	407	0.75
T-0815	40301099	Low Vapor Pressure	Varies	7.10	130	65.9	0.01	72	0.5
T-0821	40301150	Moderate Vapor Pressure	Varies	5.60	66	69.0	6.1	100	11.1
T-0834	40301150	Moderate Vapor Pressure	Varies	7.10	130	72.8	0.4	100	1.9
T-0835	40301150	Moderate Vapor Pressure	Varies	7.10	130	72.9	0.4	100	11.1
T-0838	40301099	Low Vapor Pressure	Varies	7.10	130	78.6	0.01	85	0.75
T-1225	40301150	High Vapor Pressure	Varies	7.10	54	69.3	6.9	100	11.1
T-1227	40301099	Low Vapor Pressure	Varies	Varies	84	385.3	0.4	450	0.75
T-0081	40301099	High Vapor Pressure	Varies	7.10	38	66.0	6.5	100	11.1
T-0082	40301099	Low Vapor Pressure	Varies	Varies	409	470.0	0.0	510	0.00

Table 2-L: Tank Data

Include appropriate tank-flushing modeling input data. Use an addendum to this table for unfilled data categories. Tank and stock numbering must correspond throughout the application package. Use additional sheets if necessary. See reference Table 2-L.2.

Note: 1.00 bbl = 10.139 MJ = 42.0 gal

Tank No.	Date Installed	Materials Stored	Seal Type (refer to Table 2-L.1 below)	Roof Type (refer to Table 2-L.1 below)	Capacity ⁽¹⁾		Diameter (M)	Vapor Space ⁽²⁾ (M)	Color (See Table V1-C)		Paint Condition (See Table V1-C)	Annual Throughput (gal/yr)	Turnovers (per year)
					(bbl)	(M ³)			Roof	Shell			
T-0011	<1975	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	RF	33,734	5,190	27.1	N/A	White	White	New	84,000,000	N/A
T-0012	<1975	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	RF	32,750	5,110	27.1	N/A	White	White	New	84,000,000	N/A
T-0020	2020	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Shoe-mounted	RF	54,380	8,632	27.4	N/A	White	White	New	70,000,000	N/A
T-0021	2020	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Shoe-mounted	RF	54,380	8,632	27.4	N/A	White	White	New	70,000,000	N/A
T-0021	2020	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Shoe-mounted	RF	57,735	9,195	22.8	N/A	White	White	New	70,000,000	N/A
T-0023	2020	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Shoe-mounted	RF	21,739	3,555	21.5	N/A	White	White	New	70,000,000	N/A
T-0040	<1975	Low Vapor Pressure	N/A	FX	820	130	2.3	11.0	White	White	Aged	1,170,000	1,000
T-0041	1977	Low Vapor Pressure	N/A	FX	820	130	2.7	11.0	White	White	Aged	1,170,000	1,000
T-0049	1968	Moderate Vapor Pressure	N/A	FX	410	67	3.4	3.0	White	White	Aged	18,842,799	30,000
T-0053	1979	Low Vapor Pressure	N/A	FX	10,200	1,639	11.1	5.0	White	White	Average	45,720,000	4,740
T-0054	<1975	Moderate Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	RF	11,800	1,941	14.0	N/A	White	White	Average	413,900,000	300
T-0059	<1975	Low Vapor Pressure	N/A	FX	5,140	818	10.1	4.7	Black	Black	Average	1,099,200	410
T-0061	<1975	Low Vapor Pressure	N/A	FX	10,490	1,685	15.2	4.7	Black	Black	Average	42,490,000	6,310
T-0063	<1975	Low Vapor Pressure	N/A	FX	10,910	1,732	15.1	4.7	Black	Black	Average	18,082,540	1,700
T-0063	1989	Low Vapor Pressure	N/A	FX	10,490	1,685	15.2	4.7	Black	Black	Average	18,082,540	1,800
T-0073	2003	Low Vapor Pressure	N/A	FX	10,910	1,732	15.1	5.1	Black	Black	Aged	18,082,540	1,700
T-0079	2000	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	RF	87,430	13,870	30.1	N/A	Aluminum-Specular	White	New	243,780,000	N/A
T-0081	2000	Low Vapor Pressure	N/A	FX	45,670	7,424	31.1	6.4	Aluminum-Specular	Aluminum-Specular	Average	210,000,000	3,350
T-0082	2000	Low Vapor Pressure	N/A	FX	100,000	17,000	42.7	6.3	Aluminum-Specular	Aluminum-Specular	Average	253,000,000	2,810
T-0106	<1971	Low Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	RF	38,305	6,000	20.4	N/A	White	White	New	444,570,000	N/A
T-0107	<1971	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	RF	25,320	3,987	20.4	N/A	White	White	New	134,290,000	N/A
T-0108	<1971	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	RF	25,320	3,987	20.4	N/A	White	White	Average	117,600,000	N/A
T-0109	<1971	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	RF	25,320	3,987	20.4	N/A	White	White	Aged	184,594,000	N/A

Table 2-L: Tank Data

Include appropriate web-fathing modeling input data. Use as addendum to this table for omitted data categories. Unit and stock numbering must correspond throughout the application package. Use additional sheets if necessary. See reference Table 2-L2.

Note: 1.00 MB = 10.139 MB = 42.0 gal

Tank No.	Date Installed	Materials Stored	Seal Type (refer to Table 2-LR below)	Roof Type (refer to Table 2-LR below)	Capacity ⁽¹⁾		Diameter (M)	Vapor Space (M)	Color (from Table VI-C)		Paint Condition (from Table VI-C)	Annual Throughput (gal/yr)	Turn-overs (per year)
					(bbl)	(M ³)			Roof	Shell			
T-000	1879	Low Vapor Pressure	N/A	FX	57,160	9,063	22.9	2.7	Aluminum - Spectra	Aluminum - Spectra	Average	275,752,000	4,099
T-001	<1970	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	IF	10,080	1,696	14.3	N/A	White	White	Agd	29,420,000	N/A
T-0012	<1973	Moderate Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	IF	9,676	1,533	14.4	N/A	White	White	Average	1,240,000	N/A
T-0017	1980	Moderate Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	EF	13,470	2,456	14.6	N/A	White	White	New	54,294,000	N/A
T-0018	1941	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	IF	4,700	6,600	12.2	N/A	White	White	New	66,706,000	11.4
T-0409	1985	Low Vapor Pressure	N/A	FX	86,640	13,344	36.6	3.7	Black	Black	Agd	308,600,000	3,309
T-0410	1982	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	54,830	8,892	27.4	N/A	Aluminum - Spectra	White	New	214,420,000	N/A
T-0420	1985	Moderate Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	56,630	8,892	27.4	N/A	Aluminum - Spectra	White	New	208,600,000	N/A
T-0419	1973	Low Vapor Pressure	N/A	FX	34,520	5,343	24.1	6.3	Aluminum - Spectra	Aluminum - Spectra	Average	228,702,000	8,657
T-0411	1950	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	35,550	5,381	30.5	N/A	Aluminum - Spectra	White	Average	154,200,000	N/A
T-0412	1951	Moderate Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	EF	37,450	5,881	34.5	N/A	White	White	Average	54,264,000	50.6
T-0413	1960	Moderate Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	IF	24,490	3,887	20.4	N/A	White	White	New	286,903,000	50.6
T-0414	<1971	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	IF	25,120	3,987	20.4	N/A	White	White	New	144,054,000	39.6
T-0417	<1973	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	IF	10,490	1,640	15.2	N/A	White	White	Agd	59,400,000	N/A
T-0418	<1971	High Vapor Pressure	Primary Seal: Vapor-mounted Secondary Seal: Rim-mounted	IF	29,720	3,209	20.4	N/A	White	White	New	175,400,000	N/A
T-0419	<1973	Low Vapor Pressure	N/A	FX	11,060	1,740	16.2	4.4	White	White	Average	133,300,000	15,004
T-0420	<1973	Low Vapor Pressure	N/A	FX	18,490	2,844	19.1	4.7	Aluminum - Spectra	Aluminum - Spectra	Average	4,076,500	416
T-0432	<1975	Low Vapor Pressure	N/A	FX	18,490	2,844	19.2	4.7	White	White	New	42,686,720	4,288
T-0433	1879	Low Vapor Pressure	N/A	FX	11,060	1,641	15.2	4.7	White	White	New	42,499,907	4,239
T-0431	<1975	Low Vapor Pressure	N/A	FX	33,180	5,441	23.2	5.2	Aluminum - Spectra	Aluminum - Spectra	Average	54,356,400	332
T-0432	<1972	Low Vapor Pressure	N/A	FX	33,180	5,441	23.2	5.2	Aluminum - Spectra	Aluminum - Spectra	Average	19,176,900	338
T-0435	<1975	Low Vapor Pressure	N/A	FX	40,420	12,785	35.7	6.8	Red - Red line Grade	Red - Red line Grade	Agd	179,156,000	2,262
T-0434	1979	Low Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	74,641	11,871	33.2	9.8	White	White	New	715,000,000	N/A

Table 2-L: Tank Data

Include appropriate tank flushing modeling input data. Use an addendum to this table for related data categories. Unit and stock numbering must correspond throughout the application package. Use additional sheets if necessary. See reference Table 2-L.2.

Note: 1.00 bbl = 10.149 M3 = 42.0 gal

Tank No.	Date Installed	Materials Stored	Seal Type (refer to Table 2-L.3 below)	Roof Type (refer to Table 2-L.3 below)	Capacity ⁽¹⁾		Diameter (M)	Vapor Space ⁽²⁾ (M)	Color (from Table VI-C)		Paint Condition (from Table VI-C)	Annual Throughput (gpy)	Turnovers (per year)
					(bbl)	(M ³)			Roof	Shell			
T-0435	1997	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	EF	2,040	800	6.1	30A	White	White	New	139,775,000	N/A
T-0437	Tank was built in 1976 and relocated in 2009	High Vapor Pressure	Primary Seal: Liquid-mounted Secondary Seal: Rim-mounted	EF	60,640	14,327	16.6	N/A	White	White	New	303,668,000	N/A
T-0438	1978	Low Vapor Pressure	N/A	FX	34,380	8,632	23.4	7.6	Black	Black	Aged	115,250,000	3,324
T-0439	1979	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	108,240	17,268	19.3	N/A	White	White	Average	738,815,000	N/A
T-0439	1997	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	80,170	12,789	36.6	30A	Aluminum-Specular	White	New	413,919,000	N/A
T-0431	2016	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	6,839	1,087	10.7	N/A	Aluminum-Specular	Aluminum-Specular	Average	31,833,000	N/A
T-0432	2016	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	6,839	1,087	10.7	N/A	White	White	Average	5,978,500	N/A
T-0707	2009	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	12,110	3,325	16.1	N/A	White	White	New	290,252,000	N/A
T-0802	2003	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	EF	11,330	1,798	13.7	N/A	White	White	New	210,272,000	N/A
T-0814	2005	Low Vapor Pressure	N/A	FX	11,330	1,776	15.1	1.0	Aluminum-Specular	Aluminum-Specular	Average	141,130,000	17,470
T-0815	2005	Low Vapor Pressure	N/A	FX	80,950	12,846	35.4	6.9	White	White	New	1,094,085,000	14,201
T-0821	2016	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	16,149	12,471	12.3	N/A	Aluminum-Specular	White	Average	268,373,000	N/A
T-0834	1987	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: None	EF	40,420	6,516	25.9	N/A	White	White	Average	659,130,000	N/A
T-0871	~1977	Medium Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	EF	66,960	16,943	15.4	N/A	White	White	Average	459,510,000	N/A
T-0838	1977	Low Vapor Pressure	N/A	FX	30,640	4,965	22.6	6.3	White	White	New	659,190,000	22,844
T-1225	2009	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	123,870	19,543	41.7	N/A	White	White	Average	1,686,472,000	N/A
T-1227	2009	Low Vapor Pressure	N/A	FX	33,170	5,265	23.5	6.3	Aluminum-Specular	Aluminum-Specular	Average	36,792,000	1,197
T-0981	1965	High Vapor Pressure	Primary Seal: Mechanical Shoe Secondary Seal: Rim-mounted	IF	39,690	17,400	42.7	N/A	W11	W11	Average	613,200,000	N/A
T-0982	1965	Low Vapor Pressure	N/A	FX	65,870	10,424	33.0	N/A	A5	A5	Average	212,000,000	N/A

Notes:

(1) Tank shell capacity

(2) Vapor Space Volume (ft³), per API 62, Ch. 7.1 (N25), Eq. 3-18

Table 2-L2: Liquid Storage Tank Data Codes Reference Table

Roof Type	Steel Type, Welded Tank Seal Type		Steel Type, Riveted Tank Seal Type		Roof, Shell Color	Paint Condition
FX: Fixed Roof	Mechanical shoe seal	Liquid-mounted resilient seal	Vapor-mounted resilient seal	Steel Type	W/L: White	Good
FX: Internal Floating Roof	A: Primary only	A: Primary only	A: Primary only	A: Mechanical shoe, primary only	AL: Aluminum (spiral)	Good
FX: External Floating Roof	B: Shoe-mounted secondary	B: Weather shield	B: Weather shield	B: Shoe-mounted secondary	AL: Aluminum (diffuse)	Good
P: Promer	C: Rim-mounted secondary	C: Rim-mounted secondary	C: Rim-mounted secondary	C: Rim-mounted secondary	LG: Light Gray	Good
					MG: Medium Gray	Good
					BL: Black	Good
					OT: Other (specify)	Good

Note: 1.00 bbl = 0.159 M³ = 42.0 gal

Table 2-M: Materials Processed and Produced (Use additional sheets as necessary.)

Material Processed				Material Produced			
Description	Chemical Composition	Phase (Gas, Liquid, or Solid)	Quantity (specify units)	Description	Chemical Composition	Phase	Quantity (specify units)
Crude Oil	Mixed Hydrocarbons	Liquid	N/A-Varies	Bitumen	Bitumen	Gas	N/A-Varies
Crude Oil Gas	Mixed Hydrocarbons	Liquid	N/A-Varies	Propane	Propane	Gas	N/A-Varies
Trimethyl	Mixed Hydrocarbons	Liquid	N/A-Varies	Liquid Petroleum Gas	Bitumen, Propane	Gas	N/A-Varies
Isobutane	Isobutane	Gas	N/A-Varies	Refinery Gas	Mixed Hydrocarbons	Gas	N/A-Varies
Raw Kerosene	Mixed Hydrocarbons	Liquid	N/A-Varies	Kerosene	Mixed Hydrocarbons	Liquid	N/A-Varies
Raw Jet Fuel	Mixed Hydrocarbons	Liquid	N/A-Varies	Jet Fuel	Mixed Hydrocarbons	Liquid	N/A-Varies
Naphtas	Mixed Hydrocarbons	Liquid	N/A-Varies	Naphtas	Mixed Hydrocarbons	Liquid	N/A-Varies
Raw Gasoline	Mixed Hydrocarbons	Liquid	N/A-Varies	Gasoline	Mixed Hydrocarbons	Liquid	N/A-Varies
Gas Oil	Mixed Hydrocarbons	Liquid	N/A-Varies	Diesel Fuel	Mixed Hydrocarbons	Liquid	N/A-Varies
Asphalt	Mixed Hydrocarbons	Liquid	N/A-Varies	Gas Oil	Mixed Hydrocarbons	Liquid	N/A-Varies
				Ref Oil	Mixed Hydrocarbons	Liquid	N/A-Varies
				Asphalt	Mixed Hydrocarbons	Liquid	N/A-Varies
				Carbon Black Oil	Mixed Hydrocarbons	Liquid	N/A-Varies
				Fuel	Mixed Hydrocarbons	Liquid	N/A-Varies
				Sulfur	Sulfur	Liquid	N/A-Varies

Table 2-N: CEM Equipment

Enter Continuous Emissions Measurement (CEM) Data in this table. If CEM data will be used as part of a federally enforceable permit condition, or used to satisfy the requirements of a state or federal regulation, include a copy of the CEM's manufacturer specification sheet in the Information Used to Determine Emissions attachment. Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Stack No.	Pollutant(s)	Manufacturer	Model No.	Serial No.	Sample Frequency	Averaging Time	Range	Sensitivity	Accuracy
FCC Regon	O2	Servomex	X 4902C1	04900C1-3747	< 15 sec		0-10%	0.0001	< 0.05%
FCC Regon	SO2	California Analytical	ZRF1A/GY2-2E7YY	A2P0815T	0.25 sec		0-2,000 ppm	20 ppm	10 ppm
FCC Regon	CO/CO2	Servomex	Xenta 4904C1	04904C1-3746	< 30 sec		0-1000 ppm	2 ppm	2 ppm
FCC Regon	NOx	California Analytical	600-CLD Digital	PD2056	< 2 sec		0-500 ppm	3 ppm	1.5 ppm
H-2501	NOx/O2	Thermo Scientific	410LS-AS855PCB	901534190	NOx < 2 sec O2 < 30 sec		NOx 0-50 ppm O2 0-18%	NOx 3 ppm O2 0.5 ppm zero gas 2 ppm span	NOx 1.5 ppm O2 0.5 ppm zero gas 2 ppm span
H-2501	CO	Thermo Scientific	40-A2PCB	809628911	< 15 sec		0-2000 ppm	0.0001	< 0.05%
H-0473 (SRU2 TGI)	SO2	California Analytical	ZPA2	NRA0263	< 60 sec		0-2,500 ppm	25 ppm	17.5 ppm
H-0473 (SRU2 TGI)	O2	Servomex	04900C1	655136	< 15 sec		0-25%	0.0001	< 0.05%
H-3103 (SRU3 TGI)	SO2	California Analytical	ZRE-ND0R	ABK9291Y	< 60 sec		0-2,500 ppm	25 ppm	17.5 ppm
H-3103 (SRU3 TGI)	O2	Servomex	04900C1	652678	< 15 sec		0-25%	0.0001	< 0.05%
H-0601	O2	Servomex	Xenda 2700	1362	< 15 sec		0-25%	0.0001	< 0.05%
H-3402	O2	Servomex	2700 PN 02710734	276	< 15 sec		0-25%	0.0001	< 0.05%
B-0009	O2/CO	Servomex	ServoPro-4900	04900C1-653783					
B-0009	CO2	Servomex	ServoPro-4900	04900C1-653788					
B-0009	NOx	California Analytical	600-CLD	A10011			0-500 ppm	3 ppm	1.5 ppm
B-0008	NOx	California Analytical	600-CLD	E05005	< 2 sec		0-500 ppm	3 ppm	1.5 ppm
B-0008	O2	Servomex	Xenta 4902C1	04900C1-3658	< 15 sec		0-10%	0.0001	< 0.05%
B-0007	NOx	California Analytical	600-CLD	E05004	< 2 sec		0-500 ppm	3 ppm	1.5 ppm
B-0007	O2	Servomex	Xenta 4902C1	04900C1-3657	< 15 sec		0-10%	0.0001	< 0.05%
H-8801/8802	O2	California Analytical	ZRE-ND0R	N4K1912	< 15 sec		0-10%	0.0001	< 0.05%
H-8801/8802	CO	same analyzer as above	-	-	< 30 sec		0-2000 ppm	0.5-2 ppm	0.5-2 ppm
H-8801/8802	NOx	same analyzer as above	-	-					
H-8851	O2	Servomex dual range	04900C1	653166	< 15 sec		0-10%	0.0001	< 0.05%
H-8851	CO	same analyzer as above	-	-	< 2 sec		0-2000 ppm	0.5-2 ppm	0.5-2 ppm
H-8851	NOx	California Analytical	600-CLD	W60040	< 2 sec		0-50 ppm	3 ppm	1.5 ppm
TL-4	VOC	Infrared Industries	IR3400D	4814	20 Seconds		0-2%		0.070%

Table 2-O: Parametric Emissions Measurement Equipment

Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time
H2 Fuel Gas	H ₂ S	In the CCR division, near D-0339	ppmv	0-300 ppm	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	3 hr rolling avg for regulatory requirement
LP Fuel Gas	H ₂ S	In the North Division near D-0619	ppmv	0-300 ppm	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	3 hr rolling avg for regulatory requirement
FL-0400	Vent Gas H ₂ S Concentration	In the North Plant Flare header, downstream of the knockout drum	ppmv	5-300	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	3 hr rolling avg for regulatory requirement
FL-0400	Vent Gas Total Sulfur Concentration	In the North Plant Flare header, downstream of the knockout drum	% w/v	0-50	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	
FL-0400	Vent Gas Flow Velocity	In the North Plant Flare header, upstream of the flare stack, in a position that is representative of the total gas flow rate.	ft/sec	0.1 - 328	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	
FL-0400	Vent Gas Composition (Gas Chromatograph)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	
FL-0400	Vent Gas Heating Value (Calorimeter)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	Btu/lb	0-2,000	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	
FL-0400	Pilot Flame Presence	On pig pen building ~530 ft SW of flare	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	
FL-0400	Aerial Steam Flow Velocity	upstream of the control valves	ft/hr	0-37,000 ft/hr	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	
FL-0400	Supplemental Gas Flow Velocity	upstream of the control valves	scfh	0-245,000 scfh	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	
FL-0400	Visible Emissions Camera	On pig pen building ~530 ft SW of flare	visual	n/a	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	
FL-0401	Vent Gas H ₂ S Concentration	In the South Plant Flare header, downstream of the knockout drum	ppmv	5-300	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	3 hr rolling avg for regulatory requirement
FL-0401	Vent Gas Total Sulfur Concentration	In the South Plant Flare header, downstream of the knockout drum	% w/v	0-25	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Downstream	

Table 2-O: Parametric Emissions Measurement Equipment

Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time
FL-0401	Vent Gas Flow Velocity	In the South Plant Flare header, upstream of the flare stack, in a position that is representative of the total gas flow rate	ft/sec	0.1 - 328	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0401	Vent Gas Composition (Gas Chromatograph)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	BTU/scf	0-2,000	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0401	Vent Gas Heating Value (Calorimeter)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0401	Pilot Flame Presence	On South control room ~370 ft SE of flare	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0401	Asphalt Steam Flow Velocity	upstream of the control valves	ft/hr	0-37,000 ft/hr	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0401	Supplemental Gas Flow Velocity	upstream of the control valves	scfh	0-245,000 scfh	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0401	Visible Emissions Camera	On South control room ~370 ft SE of flare	visual	n/a	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0402	Vent Gas H2S Concentration	In the FCCU Flare header, downstream of the knockout drum	pphmvd	5-300	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	1 hr rolling avg for regulatory requirement
FL-0402	Vent Gas Total Sulfur Concentration	In the FCCU Flare header, downstream of the knockout drum	% w/v	0-50	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0402	Vent Gas Flow Velocity	In the FCCU Flare header, upstream of the flare stack, in a position that is representative of the total gas flow rate	ft/sec	0.1 - 328	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0402	Vent Gas Composition (Mass Spectrometer)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0402	Vent Gas Heating Value (Mass Spectrometer)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	BTU/scf	0-3,000	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	
FL-0402	Pilot Flame Presence	On pig pen building ~340 ft SW of flare	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datstream	

Table 2-O: Parametric Emissions Measurement Equipment

Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time
	Aspirated Steam Flow Velocity	upstream of the control valves	ft/hr	0-37,000 ft/hr	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0402	Supplemental Gas Flow Velocity	upstream of the control valves	scfh	0-245,000 scfh	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0402	Visible Emissions Camera	on pig pen building ~340 ft SW of building	Visual	n/a	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0403	Vent Gas Flow Velocity	In the FCCU Flare header, upstream of the flare stack, in a position that is representative of the total gas flow rate	ft/sec	0.1 - 328	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0403	Vent Gas Heating Value (Mass Spectrometer)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	BTU/scf	0-5,000	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0403	Flare Flame Presence	On pig pen building ~530 ft SW of flare	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0403	Aspirated Steam Flow Velocity	maximum total steam rate 24,000 ft/hr	ft/hr	0-37,000 ft/hr	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0403	Supplemental Gas Flow Velocity	maximum supplemental gas flow rate 245,000 scfh	scfh	0-245,000 scfh	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0403	Visible Emissions Camera	On pig pen building ~530 ft SW of flare	Visual	n/a	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0404	Vent Gas H2S Concentration	In the GOHT Flare header, downstream of the knockout drum	ppmv	5-300	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0404	Vent Gas Total Sulfur Concentration	In the GOHT Flare header, downstream of the knockout drum	% w/v	0-50	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0404	Vent Gas Flow Velocity	In the GOHT Flare header, upstream of the flare stack, in a position that is representative of the total gas flow rate	ft/sec	0.1 - 328	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	
FL-0404	Vent Gas Composition (Gas Chromatograph)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datasheet	3 hr rolling avg for regulatory requirement

Table 2-O: Parametric Emissions Measurement Equipment

Unit and stock numbering must correspond throughout the application package. Use additional sheets if necessary.

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time
FL-0404	Vent Gas Heating Value (Calorimeter)	At the existing sample site ~200 ft from sampling cabinet in the flare line.	BTU/scf	0-5,000	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datalogger	
FL-0404	Flare Flame Presence	On GOHIT CMS shelter ~460 ft SE of flare	%	0-100%	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datalogger	
FL-0404	Assist Stream Flow Velocity	upstream of the control valves	ft/hr	0-37,000 ft/hr	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datalogger	
FL-0404	Supplemental Gas Flow Velocity	upstream of the control valves	scfh	0-245,000 scfh	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datalogger	
FL-0404	Visible Emissions Camera	On GOHIT CMS shelter ~460 ft SE of flare	visual	N/A	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	per manufacturer's recommendation, industry practice and Navajo Refinery maintenance experience.	Datalogger	

Table 2-P: Greenhouse Gas Emissions

Applications submitted under 28.2.70, 28.2.72, & 28.2.74 RMAC are required to complete this Table. Power plants, Title V major sources, and PSD major sources must report and calculate all GHG emissions for each unit. Applicants must report potential emission rates in short tons per year (see Section 6.a for unit conversions). Include GHG emissions during Startup, Shutdown, and Scheduled Maintenance in this table. For minor source facilities that are not power plants, are not Title V, or are not PSD, there are three options for reporting GHGs: 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHGs as a second separate unit; OR, 3) check the following box. C. By checking this box, the applicant acknowledges the total CO₂e emissions are less than 75,000 tons per year.

Unit No.	GWPs ¹	CO ₂ ton/yr	N ₂ O ton/yr	CH ₄ ton/yr	SF ₆ ton/yr	PFC/HFC ton/yr ²											Total GHG from Unit ton/yr ³	Total CO ₂ e ton/yr ⁴
B-0007	mass GHG	136,084	1.4	6.9													136,092	136,669
	CO ₂ e	136,084	482.4	173.0														
B-0008	mass GHG	136,084	1.4	6.9													136,092	136,669
	CO ₂ e	136,084	482.4	173.0														
B-0009	mass GHG	139,248	1.4	7.1													139,257	139,847
	CO ₂ e	139,248	422.0	177.0														
H-0009	mass GHG	27,850	0.3	1.4													27,851	27,949
	CO ₂ e	27,850	84.4	35.4														
H-0011	mass GHG	24,052	0.2	1.2													24,053	24,155
	CO ₂ e	24,052	72.9	30.6														
H-0018	mass GHG	20,254	0.2	1.0													20,256	20,341
	CO ₂ e	20,254	61.4	25.7														
H-0019	mass GHG	34,179	0.3	1.7													34,181	34,326
	CO ₂ e	34,179	103.6	43.4														
H-0020	mass GHG	56,965	0.6	2.9													56,969	57,210
	CO ₂ e	56,965	172.4	72.4														
H-0028	mass GHG	7,785	0.1	0.4													7,786	7,819
	CO ₂ e	7,785	23.6	9.9														
H-0030	mass GHG	26,584	0.3	1.4													26,585	26,698
	CO ₂ e	26,584	80.6	33.8														
H-0040	mass GHG	26,584	0.3	1.4													26,585	26,698
	CO ₂ e	26,584	80.6	33.8														
H-0312	mass GHG	22,153	0.2	1.1													22,154	22,244
	CO ₂ e	22,153	67.1	28.2														
H-0352, H-0353, H-0354	mass GHG	126,589	1.3	6.4													126,597	127,134
	CO ₂ e	126,589	383.6	160.9														
H-0355	mass GHG	17,723	0.2	0.9													17,724	17,789
	CO ₂ e	17,723	53.7	22.3														
H-0362, H-0363, H-0364	mass GHG	79,118	0.8	4.8													79,123	79,459
	CO ₂ e	79,118	239.8	100.6														
H-0421	mass GHG	17,090	0.2	0.9													17,091	17,163
	CO ₂ e	17,090	51.8	21.7														
H-0464	mass GHG	6,076	0.1	0.3													6,077	6,102
	CO ₂ e	6,076	18.4	7.7														
H-0600	mass GHG	53,168	0.5	2.7													53,171	53,396
	CO ₂ e	53,168	161.1	67.6														
H-0601	mass GHG	49,370	0.5	2.5													49,373	49,582
	CO ₂ e	49,370	149.6	62.8														
H-2421	mass GHG	17,090	0.2	0.9													17,091	17,163
	CO ₂ e	17,090	51.8	21.7														
H-2501	mass GHG	75,954	0.9	3.9													75,958	76,280
	CO ₂ e	75,954	230.2	96.6														
H-3101	mass GHG	6,962	0.1	0.4													6,963	6,992
	CO ₂ e	6,962	21.1	8.9														
H-3402	mass GHG	32,913	0.3	1.7													32,915	33,055
	CO ₂ e	32,913	99.7	40.8														

Table 2-P: Greenhouse Gas Emissions

Applicants submitted under 30.2.70, 30.2.72, & 30.2.74 NMAC are required to complete this Table. Power plants, Title V major sources, and PSD major sources must report and calculate all GHG emissions for each unit. Applicants must report potential emission rates in short tons per year (see Section 5.4 for assistance). Include GHG emissions during Startup, Shutdown, and Scheduled Maintenance in this table. For minor source facilities that are not power plants, are not Title V, or are not PSD, there are three options for reporting GHGs: 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHG as a second separate unit; OR 3) check the following box: ☐ By checking this box, the applicant acknowledges the total CO₂e emissions are less than 75,000 tons per year.

Unit No.	GHG ¹	CO ₂ ton/yr	N ₂ O ton/yr	CH ₄ ton/yr	SF ₆ ton/yr	PFC/HFC ton/yr ²										Total GHG Mass Basis ton/yr ³	Total CO ₂ e ton/yr ⁴
TL-4 VCU	max GHG	1,339	0.01	0.06												1,339	
	CO ₂ e	1,339	3.4	1.4													1,363
Papilovce	max GHG	817	0.005	28.26												843	
	CO ₂ e	817	1.4	636.5													1,474
Tanks	max GHG			6.03												6.0	
	CO ₂ e			151													151
FL-HEP-PORT	max GHG	165	0.0003	0.54												166	
	CO ₂ e	165	0.3	13.6													179
Tanks VCU	max GHG	43	0.0002	0.091												43	
	CO ₂ e	43	0.1	0.03													43
T-801/T-830 TO	max GHG	5,984	0.430	0.10	0	0										5,984	
	CO ₂ e	5,984	128.4	2.4	0	0											6,114
T-836 TO	max GHG	5,983.61	0.43	0.10	0	0										5,984	
	CO ₂ e	5,983.61	128.38	2	0	0											6,114
T-801/(T-811) TO	max GHG	5,984	0.4300	0.10	0	0										5,984	
	CO ₂ e	5,984	128.4	2.4	0	0											6,114
Total	max GHG	2,034,291	19.04	323.51												2,034,633	
	CO ₂ e	2,034,291	5,673.7	8,087.53													2,048,052

¹ GHG (Global Warming Potential): Applicants must use the most current GWPs published in Table A-1 of 40 CFR part 98. GWPs are subject to change, therefore, applicants need to check 40 CFR 98 to confirm GWP values.

² For HFCs or PFCs describe the specific HFC or PFC compound and use a separate column for each individual compound.

³ For each new compound, enter the appropriate GWP for each HFC or PFC compound from Table A-1 in 40 CFR 98.

⁴ Green house gas emissions on a mass basis is the ton per year green house gas emission before adjustment with its GWP.

⁵ CO₂e means Carbon Dioxide Equivalent and is calculated by multiplying the TPF mass emissions of the greenhouse gas by its GWP.

Section 3

Application Summary

The **Application Summary** shall include a brief description of the facility and its process, the type of permit application, the applicable regulation (i.e. 20.2.72.200.A.X, or 20.2.73 NMAC) under which the application is being submitted, and any air quality permit numbers associated with this site. If this facility is to be collocated with another facility, provide details of the other facility including permit number(s). In case of a revision or modification to a facility, provide the lowest level regulatory citation (i.e. 20.2.72.219.B.1.d NMAC) under which the revision or modification is being requested. Also describe the proposed changes from the original permit, how the proposed modification will affect the facility's operations and emissions, de-bottlenecking impacts, and changes to the facility's major/minor status (both PSD & Title V).

The **Process Summary** shall include a brief description of the facility and its processes.

Startup, Shutdown, and Maintenance (SSM) routine or predictable emissions: Provide an overview of how SSM emissions are accounted for in this application. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on SSM emissions.

Facility Description/Process Summary:

HF Sinclair Navajo Refining LLC ("Navajo") owns and operates the Artesia Refinery, located along Highway 82, partially within and partially outside of the city limits of Artesia, in Eddy County, New Mexico (see Section 8 Maps). The Artesia Refinery has a crude oil capacity of 110,000 barrels per day. The facility process units include atmospheric and vacuum distillation, fluid catalytic cracking ("FCC"), alkylation, isomerization, saturates gas plants, amine units, sulfur recovery units ("SRU"), and various hydrodesulphurization units ("HDS"). Products from the refining processes include, but are not limited to, gasoline of various grades, kerosene, diesel, liquefied petroleum gas ("LPG"), jet fuel (primarily JP-8), carbon black oil, and asphalt products.

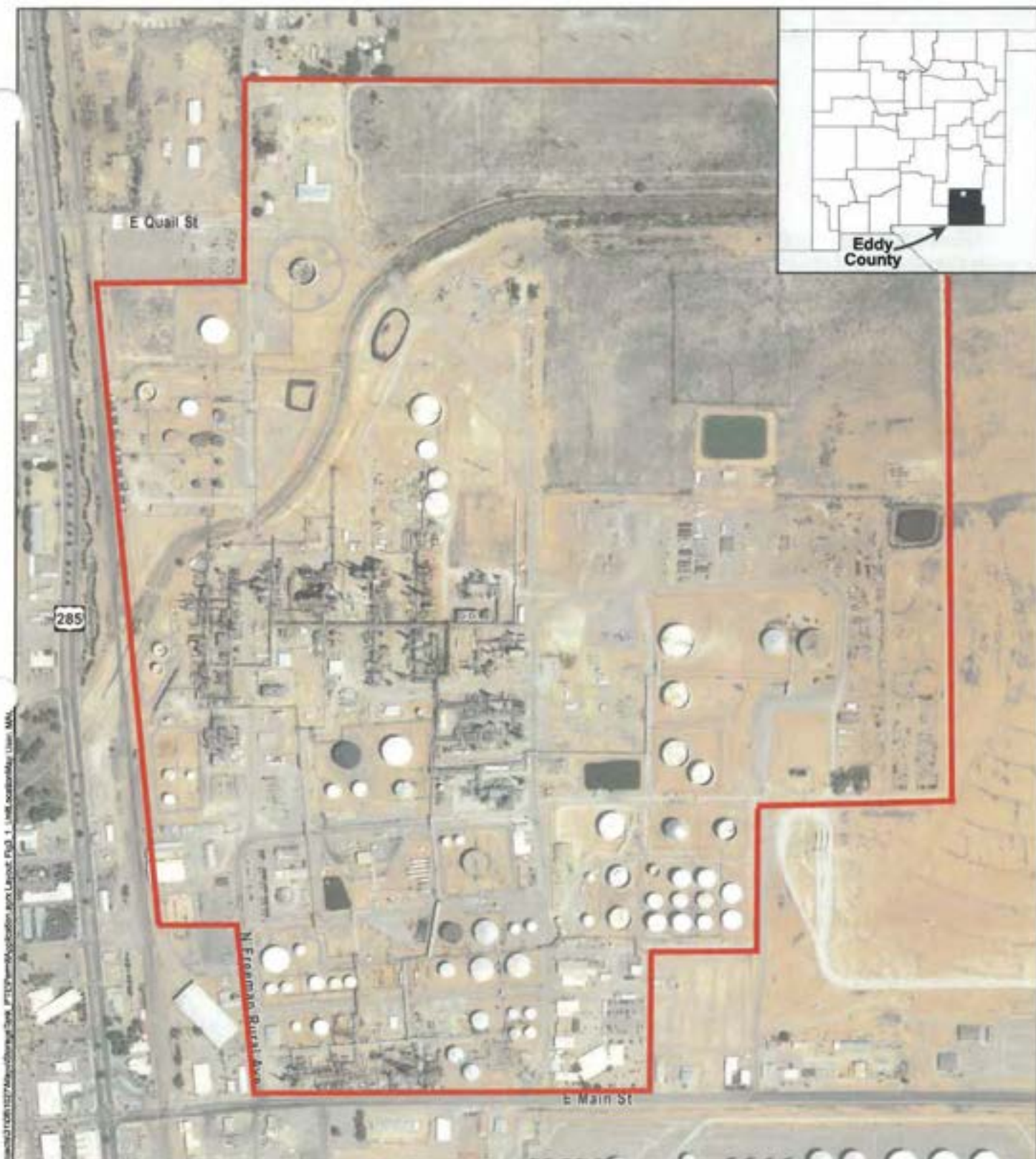
The emissions from the refining processes include nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compounds (VOC), sulfur dioxide (SO₂), particulate matter (i.e., PM, PM₁₀, and PM_{2.5}), hydrogen sulfide (H₂S), sulfuric acid mist (SAM), hazardous air pollutants (HAP), and greenhouse gases (GHG).

Permit Application Summary:

Navajo is submitting this application for a Significant Revision of Permit No. PSD-195-M43, in accordance with 20.2.72.219.D(1)(a) and 20.2.72.402 New Mexico Administrative Code (NMAC). This permit action revises the hourly and annual PM, PM₁₀, and PM_{2.5} allowable emission rates for Unit ID SSM-2 MISC to facilitate the usage of flares or temporary portable thermal oxidizer combustion to control maintenance vents during routine or predictable startup, shutdown, and maintenance activities. Temporary portable thermal oxidizers (TOs) are generally considered to provide better VOC destruction compared to flares due to their enclosed design. This application is a permitted emissions representation change.

The refinery will continue to be a major stationary source for PSD and Title V air permitting programs post-project. Below are additional details on the impacts on air emissions and regulatory applicability for permit action.

The existing permit authorizes, under unit ID SSM-2 MISC, the usage of flares to control vapors generated from process units during maintenance activities, such as de-inventorying equipment, clearing piping associated with emission units, and routine maintenance activities such as heat exchanger repair. In this permit action, Navajo proposes to 1) use flares or temporary portable TOs as VOC control equipment during these activities and 2) update the PM, PM₁₀, and PM_{2.5} hourly and annual limits to represent temporary portable TO operation. Navajo does not propose to change the non-PM emission limits for unit ID SSM-2 MISC. Refer to Section 6 for a discussion on the basis for the proposed PM, PM₁₀, and PM_{2.5} hourly and annual emission limits.



 Project Affected Area

* Emissions generated under SSM-2 MISC may occur throughout the facility



Feet
Aerial Imagery: USDA NAIP 2024

Unit Location Map
HF Sinclair
Artesia, New Mexico

FIGURE 3.1



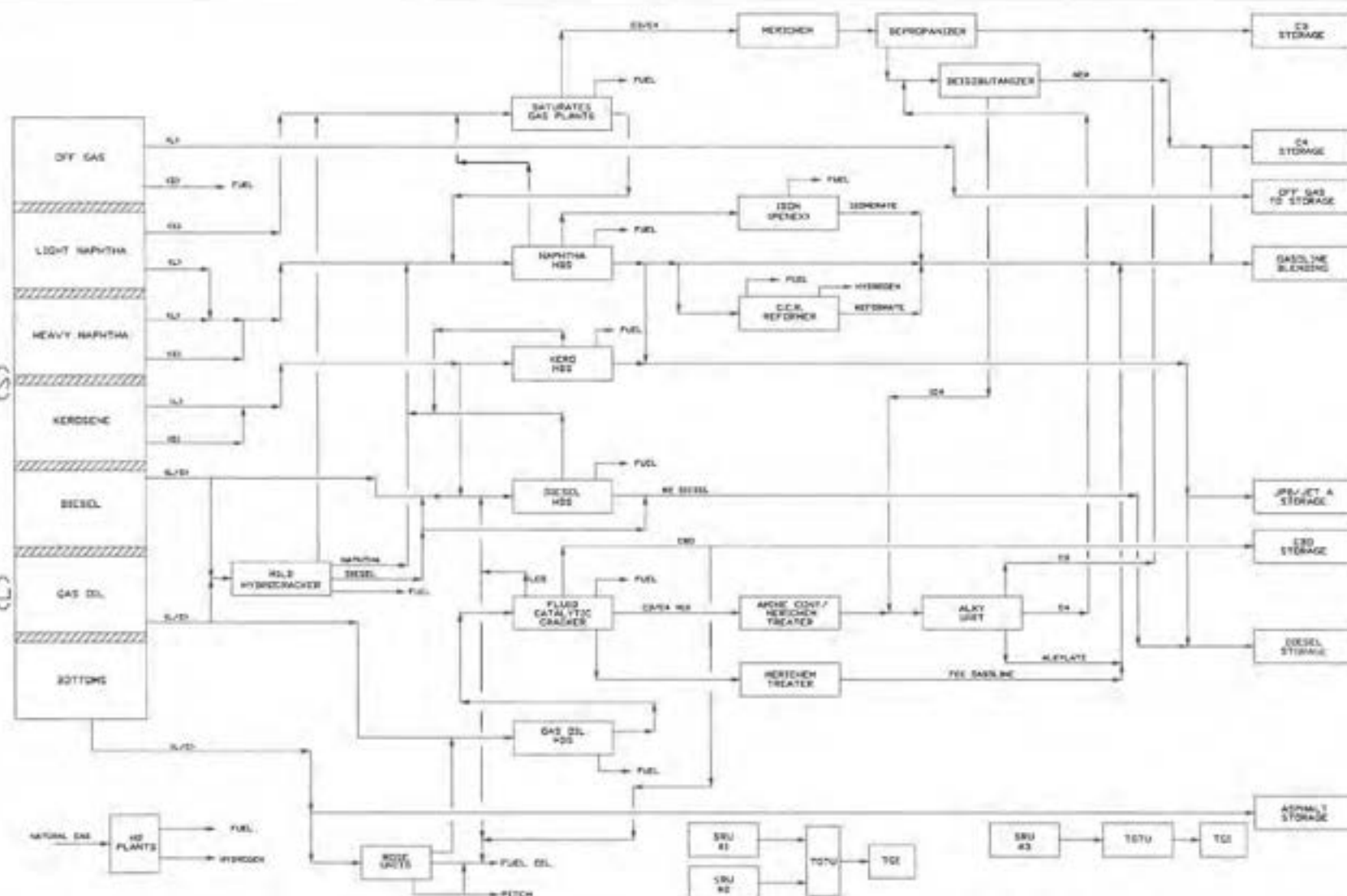
New Frontier, ArcGIS Pro, 2025-04-21 12:47 File: I:\Projects\210081527\Map\Output\Map_011527\HF_Sinclair_Artesia_NM.aprx Layout: FIG_3.1 Unit Location Map User: MAM

Section 4

Process Flow Sheet

A process flow sheet and/or block diagram indicating the individual equipment, all emission points and types of control applied to those points. The unit numbering system should be consistent throughout this application.

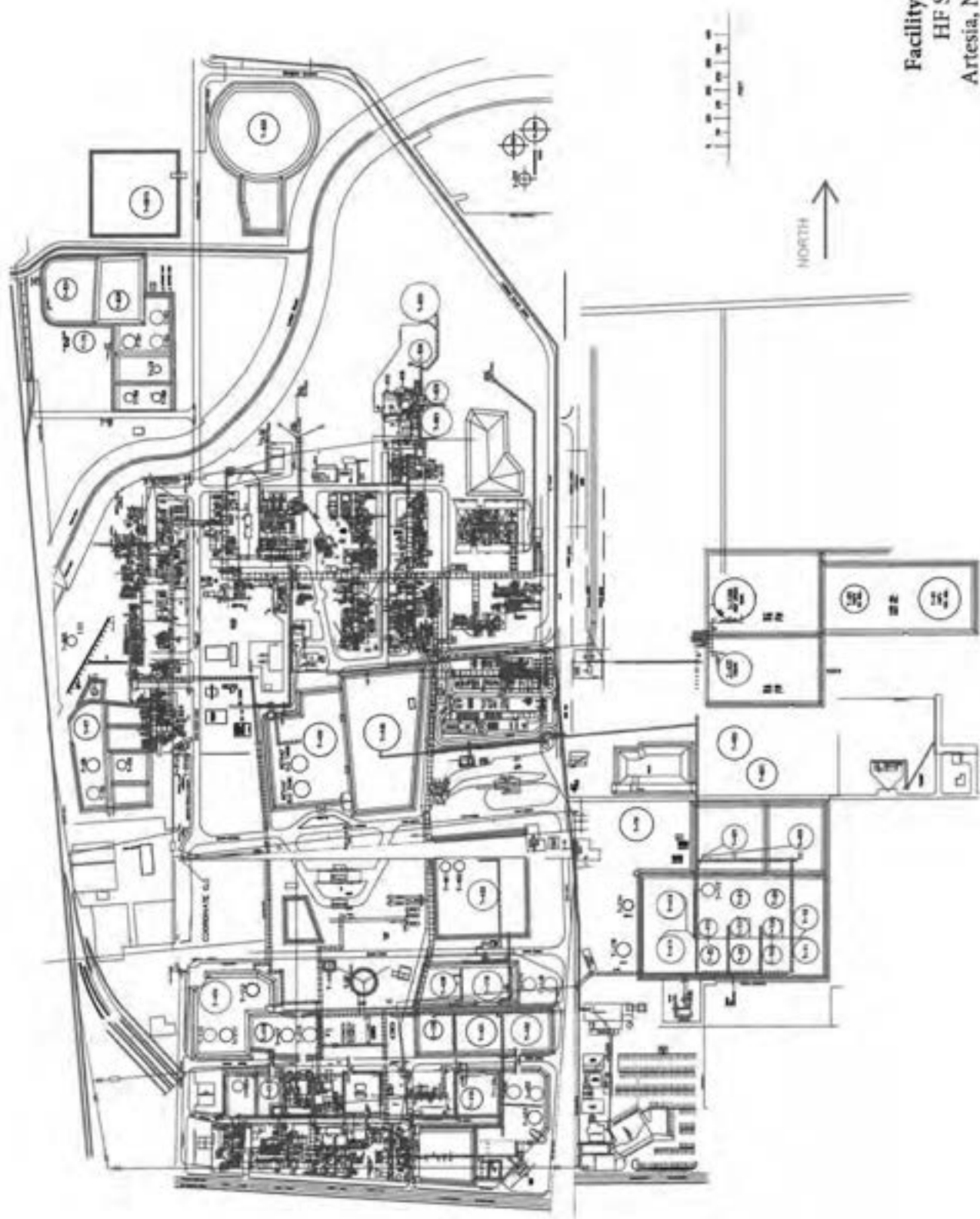
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100	100

[illegible]

Section 5

Plot Plan Drawn to Scale

A plot plan drawn to scale showing emissions points, roads, structures, tanks, and fences of property owned, leased, or under direct control of the applicant. This plot plan must clearly designate the restricted area as defined in UA1, Section 1-D.12. The unit numbering system should be consistent throughout this application.



Facility Plot Plan
HF Sinclair
Artesia, New Mexico

Figure 5.1

Section 6

All Calculations

Show all calculations used to determine both the hourly and annual controlled and uncontrolled emission rates. All calculations shall be performed keeping a minimum of three significant figures. Document the source of each emission factor used (if an emission rate is carried forward and not revised, then a statement to that effect is required). If identical units are being permitted and will be subject to the same operating conditions, submit calculations for only one unit and a note specifying what other units to which the calculations apply. All formulas and calculations used to calculate emissions must be submitted. The "Calculations" tab in the UA2 has been provided to allow calculations to be linked to the emissions tables. Add additional "Calc" tabs as needed. If the UA2 or other spread sheets are used, all calculation spread sheet(s) shall be submitted electronically in Microsoft Excel compatible format so that formulas and input values can be checked. Format all spread sheets and calculations such that the reviewer can follow the logic and verify the input values. Define all variables. If calculation spread sheets are not used, provide the original formulas with defined variables. Additionally, provide subsequent formulas showing the input values for each variable in the formula. All calculations, including those calculations are imbedded in the Calc tab of the UA2 portion of the application, the printed Calc tab(s), should be submitted under this section.

Tank Flashing Calculations: The information provided to the AQB shall include a discussion of the method used to estimate tank-flashing emissions, relative thresholds (i.e., NOI, permit, or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis. If Hysis is used, all relevant input parameters shall be reported, including separator pressure, gas throughput, and all other relevant parameters necessary for flashing calculation.

SSM Calculations: It is the applicant's responsibility to provide an estimate of SSM emissions or to provide justification for not doing so. In this Section, provide emissions calculations for Startup, Shutdown, and Routine Maintenance (SSM) emissions listed in the Section 2 SSM and/or Section 22 GHG Tables and the rationale for why the others are reported as zero (or left blank in the SSM/GHG Tables). Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on calculating SSM emissions. If SSM emissions are greater than those reported in the Section 2, Requested Allowables Table, modeling may be required to ensure compliance with the standards whether the application is NSR or Title V. Refer to the Modeling Section of this application for more guidance on modeling requirements.

Glycol Dehydrator Calculations: The information provided to the AQB shall include the manufacturer's maximum design recirculation rate for the glycol pump. If GRI-Glycalc is used, the full input summary report shall be included as well as a copy of the gas analysis that was used.

Road Calculations: Calculate fugitive particulate emissions and enter haul road fugitives in Tables 2-A, 2-D and 2-E for:

1. If you transport raw material, process material and/or product into or out of or within the facility and have PER emissions greater than 0.5 tpy.
2. If you transport raw material, process material and/or product into or out of the facility more frequently than one round trip per day.

Significant Figures:

- A. All emissions standards are deemed to have at least two significant figures, but not more than three significant figures.
B. At least 5 significant figures shall be retained in all intermediate calculations.
C. In calculating emissions to determine compliance with an emission standard, the following rounding off procedures shall be used:

- (1) If the first digit to be discarded is less than the number 5, the last digit retained shall not be changed;
- (2) If the first digit discarded is greater than the number 5, or if it is the number 5 followed by at least one digit other than the number zero, the last figure retained shall be increased by one unit; and
- (3) If the first digit discarded is exactly the number 5, followed only by zeros, the last digit retained shall be rounded upward if it is an odd number, but no adjustment shall be made if it is an even number.
- (4) The final result of the calculation shall be expressed in the units of the standard.

Control Devices: In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device regardless if the applicant takes credit for the reduction in emissions. The applicant can indicate in this section of the application if they chose to not take credit for the reduction in emission rates. For notices of intent submitted under 20.2.73 NMAC, only uncontrolled emission rates can be considered to determine applicability unless the state or federal Acts require the control. This information is necessary to determine if federally enforceable conditions are necessary for the control device, and/or if the control device produces its own regulated pollutants or increases emission rates of other pollutants.

The hourly PTE is based on 288 MMBtu/hr of portable temporary TO operation, which is estimated from four 72 MMBtu/hr units operating concurrently. The annual PTE is based on a total of 960 hours of operating time, which is estimated from four 72 MMBtu/hr units operating for 10 days each. Note, TO characteristics (number, maximum capacity, etc.) will vary based on vendor.

**HF Sinclair - Artesia Refinery
SSM-2 MISC Representation Update
PTE Calculations**

Constant	Value	Units	Reference
Hourly PTE basis	288	MMBtu/hr	Estimated based on four 72 MMBtu/hr units
Annual Operating Hours Basis	960	hours	[1]

Pollutant	Emission Control Technology [2]	Emission Factor [3]	Emission Factor Units	Potential to Emit - Total From Representation Update	
				(lb/hr)	(tpy)
PM	GCP	0.0077	lb/MMBtu	2.23	0.27
PM ₁₀	GCP	0.0077	lb/MMBtu	2.23	0.27
PM _{2.5}	GCP	0.0077	lb/MMBtu	2.23	0.27

References:

[1] The annual PTE is based on a total of 960 hours of operating time, which is estimated from four 72 MMBtu/hr units operating for 10 days each. Note, TO characteristics (number, maximum capacity, etc.) vary based on vendor.

[2] GCP = Good Combustion Practices

[3] Emission factors are from AP-42, Chapter 1.5 Liquefied Petroleum Gas Combustion, May 2025. Used most conservative factors between commercial and industrial.

Section 6.a

Green House Gas Emissions

(Submitting under 20.2.70, 20.2.72 20.2.74 NMAC)

Title V (20.2.70 NMAC), Minor NSR (20.2.72 NMAC), and PSD (20.2.74 NMAC) applicants must estimate and report greenhouse gas (GHG) emissions to verify the emission rates reported in the public notice, determine applicability to 40 CFR 60 Subparts, and to evaluate Prevention of Significant Deterioration (PSD) applicability. GHG emissions that are subject to air permit regulations consist of the sum of an aggregate group of these six greenhouse gases: carbon dioxide (CO₂), nitrous oxide (N₂O), methane (CH₄), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆).

Calculating GHG Emissions:

1. Calculate the ton per year (tpy) GHG mass emissions and GHG CO₂e emissions from your facility.
2. GHG mass emissions are the sum of the total annual tons of greenhouse gases without adjusting with the global warming potentials (GWPs). GHG CO₂e emissions are the sum of the mass emissions of each individual GHG multiplied by its GWP found in Table A-1 in 40 CFR 98 Mandatory Greenhouse Gas Reporting.
3. Emissions from routine or predictable start up, shut down, and maintenance must be included.
4. Report GHG mass and GHG CO₂e emissions in Table 2-P of this application. Emissions are reported in short tons per year and represent each emission unit's Potential to Emit (PTE).
5. All Title V major sources, PSD major sources, and all power plants, whether major or not, must calculate and report GHG mass and CO₂e emissions for each unit in Table 2-P.
6. For minor source facilities that are not power plants, are not Title V, and are not PSD there are three options for reporting GHGs in Table 2-P: 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHGs as a second separate unit; 3) or check the following ☐ By checking this box, the applicant acknowledges the total CO₂e emissions are less than 75,000 tons per year.

Sources for Calculating GHG Emissions:

- Manufacturer's Data
- AP-42 Compilation of Air Pollutant Emission Factors at <http://www.epa.gov/ttn/chief/ap42/index.html>
- EPA's Internet emission factor database WebFIRE at <http://cfpub.epa.gov/webfire/>
- 40 CFR 98 Mandatory Green House Gas Reporting except that tons should be reported in short tons rather than in metric tons for the purpose of PSD applicability.
- API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry. August 2009 or most recent version.
- Sources listed on EPA's NSR Resources for Estimating GHG Emissions at <http://www.epa.gov/nsr/clean-air-act-permitting-greenhouse-gases>:

Global Warming Potentials (GWP):

Applicants must use the Global Warming Potentials codified in Table A-1 of the most recent version of 40 CFR 98 Mandatory Greenhouse Gas Reporting. The GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to that of one unit mass of CO₂ over a specified time period.

"Greenhouse gas" for the purpose of air permit regulations is defined as the aggregate group of the following six gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. (20.2.70.7 NMAC, 20.2.74.7 NMAC). You may also find GHGs defined in 40 CFR 86.1818-12(a).

Metric to Short Ton Conversion:

Short tons for GHGs and other regulated pollutants are the standard unit of measure for PSD and title V permitting programs. 40 CFR 98 Mandatory Greenhouse Reporting requires metric tons.

1 metric ton = 1.10231 short tons (per Table A-2 to Subpart A of Part 98 – Units of Measure Conversions)

The proposed permitting action does not affect the GHG representations of SSM events.

Section 7

Information Used to Determine Emissions

Information Used to Determine Emissions shall include the following:

- ☒ If manufacturer data are used, include specifications for emissions units and control equipment, including control efficiencies specifications and sufficient engineering data for verification of control equipment operation, including design drawings, test reports, and design parameters that affect normal operation.
- ☐ If test data are used, include a copy of the complete test report. If the test data are for an emissions unit other than the one being permitted, the emission units must be identical. Test data may not be used if any difference in operating conditions of the unit being permitted and the unit represented in the test report significantly affect emission rates.
- ☒ If the most current copy of AP-42 is used, reference the section and date located at the bottom of the page. Include a copy of the page containing the emissions factors, and clearly mark the factors used in the calculations.
- ☐ If an older version of AP-42 is used, include a complete copy of the section.
- ☐ If an EPA document or other material is referenced, include a complete copy.
- ☐ Fuel specifications sheet.
- ☐ If computer models are used to estimate emissions, include an input summary (if available) and a detailed report, and a disk containing the input file(s) used to run the model. For tank-flashing emissions, include a discussion of the method used to estimate tank-flashing emissions, relative thresholds (i.e., permit or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis.

PM, PM10, and PM2.5 emission calculations use manufacturer data and emission factors from AP-42, Chapter 1.5 Liquefied Petroleum Gas Combustion, May 2025.

The following pages are excerpts from the sources referenced above. Complete copies of the references can be made available upon request.

1.5 Liquefied Petroleum Gas Combustion

Disclaimer: Emission factors in AP-42 are neither EPA-recommended emission limits (e.g., best available control technology or BACT, or lowest achievable emission rate or LAER) nor standards (e.g., National Emission Standard for Hazardous Air Pollutants or NESHAP, or New Source Performance Standards or NSPS). Use of these factors as source-specific permit limits and/or as emission regulation compliance determinations is **NOT** recommended by EPA. Because emission factors essentially represent an average of a range of emission rates, approximately half of the subject sources are expected to have emission rates greater than the emission factor, and the other half are expected to have emission rates less than the emission factor. As such, EPA does not recommend using emission factors as limits or standards. This could cause, for example, a permit limit using an AP-42 emission factor resulting in approximately half of the sources being in noncompliance. We recommend source testing be done for the best possible emission values. For more information on the use of emission factors, please refer to the [AP-42 Introduction](#).

1.5.1 General¹

Liquefied petroleum gas (LPG or LP-gas) consists of propane, propylene, butane, and butylenes; the product used for domestic heating is composed primarily of propane. This gas, obtained mostly from gas wells (but also, to a lesser extent, as a refinery by-product) is stored as a liquid under moderate pressures. There are three grades of LPG available as heating fuels: commercial-grade propane, engine fuel-grade propane (also known as HD-5 propane), and commercial-grade butane. In addition, there are high-purity grades of LPG available for laboratory work and for use as aerosol propellants. Specifications for the various LPG grades are available from the American Society for Testing and Materials (ASTM) and the Gas Processors Association (GPA). A typical heating value for commercial-grade propane and HD-5 propane is 90,500 British thermal units per gallon (Btu/gal), after vaporization; for commercial-grade butane, the value is 97,400 Btu/gal.

The largest market for LPG is the domestic/commercial market, followed by the chemical industry (where it is used as a petrochemical feedstock) and the agriculture industry. Propane is also used as an engine fuel as an alternative to gasoline and as a standby fuel for facilities that have interruptible natural gas service contracts.

1.5.2 Firing Practices²

The combustion processes that use LPG are very similar to those that use natural gas. The use of LPG in commercial and industrial applications may require a vaporizer to provide the burner with the proper mix of air and fuel. The burner itself will usually have different fuel injector tips, as well as different fuel-to-air ratio controller settings than a natural gas burner, since the LPG stoichiometric requirements are different than natural gas requirements. LPG is fired as a primary and backup fuel in small commercial and industrial boilers and space heating equipment and can be used to generate heat and process steam for industrial facilities and in most domestic appliances that typically use natural gas.

1.5.3 Emissions^{1,3-5}

1.5.3.1 Criteria Pollutants -

LPG is considered a "clean" fuel because it does not produce visible emissions. However, gaseous pollutants such as nitrogen oxides (NO_x), carbon monoxide (CO), and organic compounds are produced as are small amounts of sulfur dioxide (SO_2) and particulate matter (PM). The most significant factors affecting NO_x , CO, and organic emissions are burner design, burner adjustment, boiler operating parameters, and flue gas venting. Improper design, blocking and clogging of the flue vent, and insufficient combustion air result in improper combustion and the emission of aldehydes, CO, hydrocarbons, and other organics. NO_x emissions are a function of a number of variables, including temperature, excess air, fuel and air mixing, and residence time in the combustion zone. The amount of SO_2 emitted is directly proportional to the amount of sulfur in the fuel. PM emissions are very low and result from soot, aerosols formed by condensable emitted species, or boiler scale dislodged during combustion. Emission factors for LPG combustion are presented in Table 1.5-1.

Table 1.5-1 presents emission factors on a volume basis ($\text{lb}/10^3\text{gal}$). To convert to an energy basis (lb/MMBtu), divide by a heating value of $91.5 \text{ MMBtu}/10^3\text{gal}$ for propane and $102 \text{ MMBtu}/10^3\text{gal}$ for butane.

1.5.3.2 Greenhouse Gases⁶⁻¹¹

Carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O) emissions are all produced during LPG combustion. Nearly all of the fuel carbon (99.5 percent) in LPG is converted to CO_2 during the combustion process. This conversion is relatively independent of firing configuration. Although the formation of CO acts to reduce CO_2 emissions, the amount of CO produced is insignificant compared to the amount of CO_2 produced. The majority of the 0.5 percent of fuel carbon not converted to CO_2 is due to incomplete combustion in the fuel stream.

Formation of N_2O during the combustion process is governed by a complex series of reactions and its formation is dependent upon many factors. Formation of N_2O is minimized when combustion temperatures are kept high (above 1475°F) and excess air is kept to a minimum (less than 1 percent).

Methane emissions are highest during periods of low-temperature combustion or incomplete combustion, such as the start-up or shut-down cycle for boilers. Typically, conditions that favor formation of N_2O also favor emissions of CH_4 .

1.5.4 Controls

The only controls developed for LPG combustion are to reduce NO_x emissions. NO_x controls have been developed for firetube and watertube boilers firing propane or butane. Vendors are now guaranteeing retrofit systems to levels as low as 30 to 40 ppm (corrected to 3 percent oxygen). These systems use a combination of low- NO_x burners and flue gas recirculation (FGR). Some burner vendors use water or steam injection into the flame zone for NO_x reduction. This is a trimming technique which may be necessary during backup fuel periods, because LPG typically has a higher NO_x -forming potential than natural gas; conventional natural gas emission control systems may not be sufficient to reduce LPG emissions to mandated levels. Also, LPG burners are more prone to sooting under the modified combustion conditions required for low NO_x emissions. The extent of allowable combustion modifications for LPG may be more limited than for natural gas.

One NO_x control system that has been demonstrated on small commercial boilers is FGR. NO_x emissions from propane combustion can be reduced by as much as 50 percent by recirculating about 16 percent of the flue gas. NO_x emission reductions of over 60 percent have been achieved with FGR and low-NO_x burners used in combination.

1.5.5 Source Classification Codes

10101001 - External Combustion; Electric Generation: Boilers; Liquified Petroleum Gas (LPG); Butane
10101002 - External Combustion; Electric Generation: Boilers; Liquified Petroleum Gas (LPG); Propane
10101003 - External Combustion; Electric Generation: Boilers; Liquified Petroleum Gas (LPG);
Butane/Propane Mixture: Specify Percent Butane in Comments
10201001 - External Combustion; Industrial: Boilers; Liquified Petroleum Gas (LPG); Butane
10201002 - External Combustion; Industrial: Boilers; Liquified Petroleum Gas (LPG); Propane
10201003 - External Combustion; Industrial: Boilers; Liquified Petroleum Gas (LPG); Butane/Propane
Mixture: Specify Percent Butane in Comments
10301001 - External Combustion; Commercial/Institutional: Boilers; Liquified Petroleum Gas (LPG);
Butane
10301002 - External Combustion; Commercial/Institutional: Boilers; Liquified Petroleum Gas (LPG);
Propane
10301003 - External Combustion; Commercial/Institutional: Boilers; Liquified Petroleum Gas (LPG);
Butane/Propane Mixture
2102007000 - Stationary Source Fuel Combustion; Industrial; Liquified Petroleum Gas (LPG); Total: All
Boiler Types
2103007000 - Stationary Source Fuel Combustion; Commercial/Institutional; Liquified Petroleum Gas
(LPG); Total: All Combustor Types
2104007000 - Stationary Source Fuel Combustion; Residential; Liquified Petroleum Gas (LPG); Total: All
Combustor Types

1.5.6 Updates Since the Fifth Edition

October 1996

- Text was added concerning firing practices.
- The CO₂ emission factor was updated.
- Emission factors were added for N₂O and CH₄.

July 2008

- The PM filterable, NO_x, CO and TOC emissions factors were updated.
- The PM condensable and PM total emissions factors were added using the revised PM, NO_x, CO and TOC emissions factors for natural gas combustion for small boilers (see March 1998 revisions to section 1.4, Natural Gas Combustion)

April 2025

- Standard disclaimer was added.
- Source Classification Codes were added.

Table 1.5-1. EMISSION FACTORS FOR LPG COMBUSTION^a

EMISSION FACTOR RATING: E

Pollutant	Butane Emission Factor (lb/10 ³ gal) Industrial Boilers ^b (SCC 10201001)	Butane Emission Factor (lb/10 ³ gal) Commercial Boilers ^c (SCC 10301001)	Propane Emission Factor (lb/10 ³ gal) Industrial Boilers ^b (SCC 10201002)	Propane Emission Factor (lb/10 ³ gal) Commercial Boilers ^c (SCC 10301002)
PM, Filterable ^d	0.2	0.2	0.2	0.2
PM, Condensable	0.6	0.6	0.5	0.5
PM, Total	0.8	0.8	0.7	0.7
SO ₂ ^e	0.09S	0.09S	0.10S	0.10S
NO _x ^f	15	15	13	13
N ₂ O ^g	0.9	0.9	0.9	0.9
CO ₂ ^{h,j}	14,300	14,300	12,500	12,500
CO	8.4	8.4	7.5	7.5
TOC	1.1	1.1	1	1
CH ₄ ^k	0.2	0.2	0.2	0.2

^a Assumes PM, CO, and TOC emissions are the same, on a heat input basis, as for natural gas combustion. Use heat contents of 91.5 x 10⁶ Btu/10³ gallon for propane, 102 x 10⁶ Btu/10³ gallon for butane, and 1020 x 10⁶ Btu/10⁶ scf for methane when calculating an equivalent heat input basis. For example, the equation for converting from methane emissions factors to propane emissions factors is as follows: lb pollutant/10³ gallons of propane = (lb pollutant /10⁶ ft³ methane) • (91.5 x 10⁶ Btu/10³ gallons of propane) / (1020 x 10⁶ Btu/10⁶ scf of methane). The NO_x emission factors have been multiplied by a correction factor of 1.5, which is the approximate ratio of propane/butane NO_x emissions to natural gas NO_x emissions. To convert from lb/10³ gal to kg/10³ L, multiply by 0.12. SCC = Source Classification Code.

^b Heat input capacities generally between 10 and 100 million Btu/hour.

^c Heat input capacities generally between 0.3 and 10 million Btu/hour.

^d Filterable particulate matter (PM) is the PM collected on or prior to the filter of an EPA Method 5 (or equivalent) sampling train. For natural gas, a fuel with similar combustion characteristics, all PM is less than 10 µm in aerodynamic equivalent diameter (PM-10).

^e S equals the sulfur content expressed in gr/100 ft³ gas. For example, if the butane sulfur content is 0.18 gr/100 ft³, the emission factor would be (0.09 x 0.18) = 0.016 lb of SO₂/10³ gal butane burned.

^f Expressed as NO₂.

^g Reference 12.

^h Assuming 99.5% conversion of fuel carbon to CO₂.

^j EMISSION FACTOR RATING = C.

^k Reference 13.

References For Section 1.5

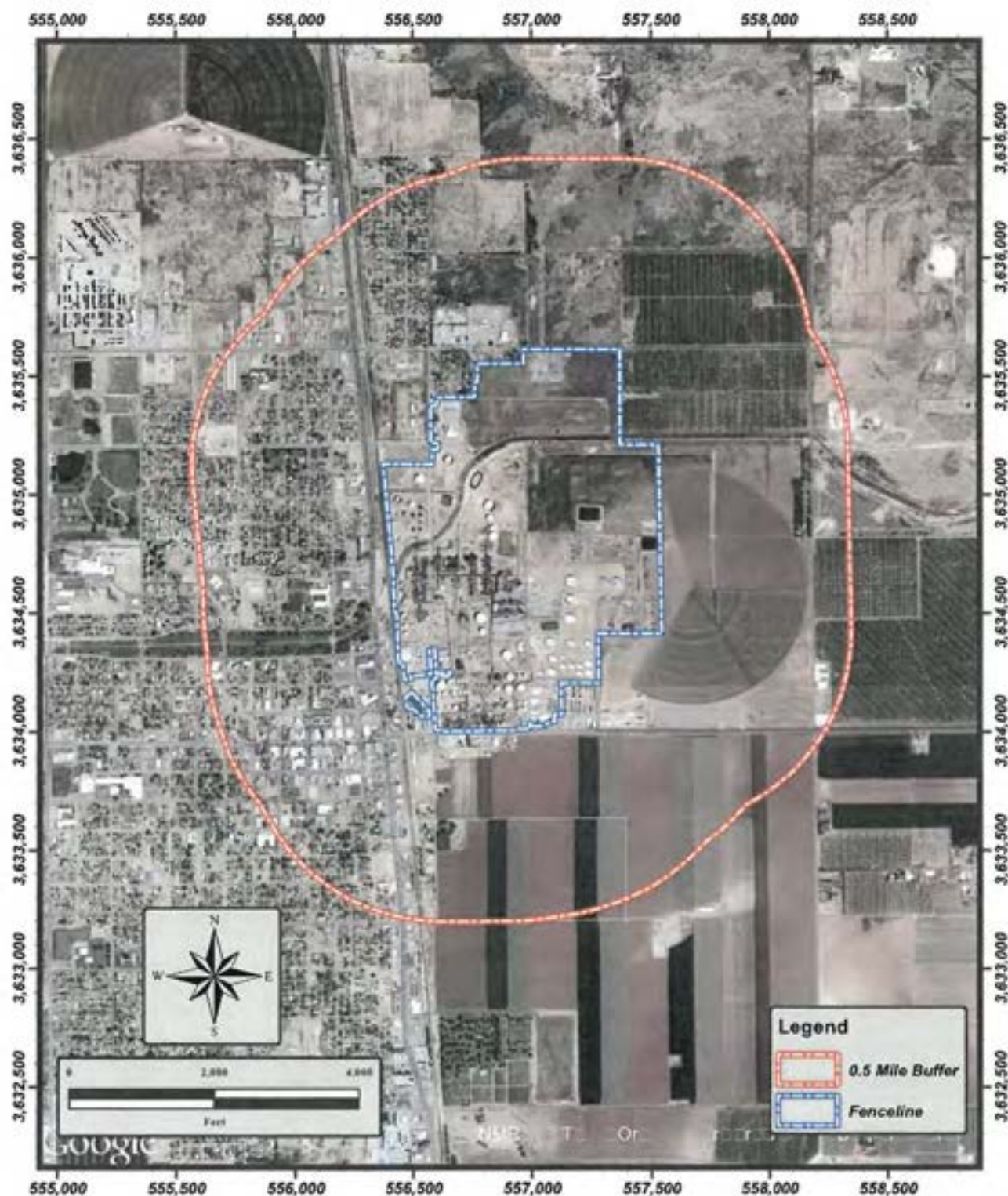
1. Written Communication from W. Butterbaugh of the National Propane Gas Association, Lisle, Illinois, to J. McSorley of the U. S. Environmental Protection Agency, Research Triangle Park, NC, August 19, 1992.
2. Emission Factor Documentation for AP-42 Section 1.5. *Liquefied Petroleum Gas Combustion*, April 1993.
3. *Air Pollutant Emission Factors*, Final Report, Contract No. CPA-22-69-119, Resources Research, Inc., Reston, VA, Durham, NC, April 1970.
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5. Phone communication memorandum of conversation between B. Lusher of Acurex Environmental and D. Childress of Suburban/Petrolane, Durham, NC, May 14, 1992.
6. L. P. Nelson, et al., *Global Combustion Sources Of Nitrous Oxide Emissions*, Research Project 2333-4 Interim Report, Radian Corporation, Sacramento, CA, 1991.
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8. S. D. Piccot, et al., *Emissions And Cost Estimates For Globally Significant Anthropogenic Combustion Sources Of NO_x, N₂O, CH₄, CO, And CO₂*, EPA Contract No. 68-02-4288, Research Triangle Park, NC, 1990.
9. G. Marland and R. M. Rotty, *Carbon Dioxide Emissions From Fossil Fuels: A Procedure For Estimation And Results For 1951-1981*, DOE/NBB-0036 TR-003, Carbon Dioxide Research Division, Office of Energy Research, U.S. Department of Energy, Oak Ridge, TN, 1983.
10. G. Marland and R.M. Rotty, *Carbon Dioxide Emissions From Fossil Fuels: A Procedure For Estimation And Results For 1950-1982*, *Tellus*, 36B: 232-261.
11. *Sector-Specific Issues And Reporting Methodologies Supporting The General Guidelines For The Voluntary Reporting Of Greenhouse Gases Under Section 1605(b) Of The Energy Policy Act Of 1992*, Volume 2 of 3, DOE/PO-0028, U.S. Department of Energy, 1994.
12. A. Rosland, *Greenhouse Gas Emissions In Norway: Inventories And Estimation Methods*, Ministry of Environment, Oslo, Norway, 1993.
13. *Inventory Methods Manual For Estimating Canadian Emissions Of Greenhouse Gases*, Prepared for Environment Canada by Ortech Corporation, 1994.

Section 8

Map(s)

A map such as a 7.5 minute topographic quadrangle showing the exact location of the source. The map shall also include the following:

The UTM or Longitudinal coordinate system on both axes	An indicator showing which direction is north
A minimum radius around the plant of 0.8km (0.5 miles)	Access and haul roads
Topographic features of the area	Facility property boundaries
The name of the map	The area which will be restricted to public access
A graphical scale	



Grid Presented is UTM Zone 13, NAD 1983



FIGURE 8.1 AREA MAP

**Artesia Refinery
Artesia, New Mexico**

*from USGS Quadrangle Artesia, New Mexico
Ground Condition Depicted May 2014
Digital Data Courtesy of Google Earth*



FIGURE 8.2 – CITY LIMITS OF ARTESIA

Section 9

Proof of Public Notice

(for NSR applications submitting under 20.2.72 or 20.2.74 NMAC)

(This proof is required by: 20.2.72.203.A.14 NMAC "Documentary Proof of applicant's public notice")

X I have read the AQB "Guidelines for Public Notification for Air Quality Permit Applications"

This document provides detailed instructions about public notice requirements for various permitting actions. It also provides public notice examples and certification forms. Material mistakes in the public notice will require a re-notice before issuance of the permit.

Unless otherwise allowed elsewhere in this document, the following items document proof of the applicant's Public Notification. Please include this page in your proof of public notice submittal with checkmarks indicating which documents are being submitted with the application.

New Permit and **Significant Permit Revision** public notices must include all items in this list.

Technical Revision public notices require only items 1, 5, 9, and 10.

Per the Guidelines for Public Notification document mentioned above, include:

1. X A copy of the certified letter receipts with post marks (20.2.72.203.B NMAC)
 2. X A list of the places where the public notice has been posted in at least four publicly accessible and conspicuous places, including the proposed or existing facility entrance. (e.g: post office, library, grocery, etc.)
 3. X A copy of the property tax record (20.2.72.203.B NMAC).
 4. X A sample of the letters sent to the owners of record.
 5. X A sample of the letters sent to counties, municipalities, and Indian tribes.
 6. X A sample of the public notice posted and a verification of the local postings.
 7. X A table of the noticed citizens, counties, municipalities and tribes and to whom the notices were sent in each group.
 8. X A copy of the public service announcement (PSA) sent to a local radio station and documentary proof of submittal.
 9. X A copy of the classified or legal ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
 10. X A copy of the display ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
 11. X A map with a graphic scale showing the facility boundary and the surrounding area in which owners of record were notified by mail. This is necessary for verification that the correct facility boundary was used in determining distance for notifying land owners of record.
-



June 23, 2026

Ms. Cindy Fuller
Chaves County, County Clerk
#1 St. Mary's Place, Suite 110
Roswell, NM 88203

Certified Mail/Return Receipt No.
9859 0710 5270 2681 0386 14

Re: Public Notice
Application for a Significant Permit Revision for Artesia Refinery
HF Sinclair Navajo Refining LLC
Artesia, Eddy County, New Mexico

Dear Ms. Fuller,

HF Sinclair Navajo Refining LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Artesia refinery. The date of application submittal to the Air Quality Bureau is expected around June 23, 2026.

The exact location for the facility, known as the Artesia refinery, is 501 E. Main St., Artesia, NM 88210. The approximate location of this facility is less than 0.5 miles east of the intersection of E. Main St. and S. 1st St. in Eddy County.

HF Sinclair Navajo Refining LLC is submitting this application for a significant revision of Permit No. PSD-NM-0195M43, in accordance with 20.2.72.219.D and 20.2.72.402 New Mexico Administrative Code (NMAC). The existing permit authorizes the usage of flares to control vapors generated from process units during maintenance activities, such as de-inventorying equipment, clearing piping associated with emission units, and routine maintenance activities such as heat exchanger repair. In this permit action, Navajo proposes to 1) use flares or temporary portable TOs as VOC control equipment during these activities and 2) update the PM, PM10, and PM2.5 hourly and annual limits to represent temporary portable TO operation. Navajo does not propose to change the non-PM emission limits.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant	pph	tpy
Nitrogen Oxides (NO _x)	484.70	894.40
Carbon Monoxide (CO)	2,251.20	1,598.50
Volatile Organic Compounds (VOC)	2,569.50	1,837.30
Sulfur Dioxide (SO ₂)	2,090.50	480.10
Particulate Matter (PM)	86.90	255.80
Particulate Matter 10 microns or less (PM ₁₀)	83.70	236.00
Particulate Matter 2.5microns or less (PM _{2.5})	82.30	230.30
Hydrogen Sulfide (H ₂ S)	5.00	6.50
Lead (Pb)	0.00	0.00
Total sum of all Hazardous Air Pollutants (HAPs)	81.40	248.90
Ammonia (NH ₃)	20.30	88.90
Sulfuric Acid (H ₂ SO ₄)	7.80	19.80
Green House Gas Emissions as Total CO ₂ e	0.00	2,355,259.90

The standard operating schedule of the facility is and will continue to be continuous 24 hours per day, 7 days a week, and a maximum of 52 weeks per year.

The owner and/or operator of the Facility is: HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments and questions may be submitted verbally.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, relativo a las emisiones producidas por una industria en este área. Si usted desea información en español, por favor comuníquese con esta oficina en el teléfono 505-629-7748.

Ms. Cindy Fuller
Chaves County, County Clerk

June 23, 2026
Page 3 of 4

Sincerely,



Case Hinkins
EHS Manager
HF Sinclair Navajo Refining LLC
501 E. Main Street
Artesia, NM 88210

Notice of Non-Discrimination

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you 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. 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.



June 23, 2026

Ms. Summer Valverde
City of Artesia - City Clerk
511 W. Texas Avenue
Artesia, NM 88210

Certified Mail/Return Receipt No.
9589 0710 5270 2681 0389 04

Re: Public Notice
Application for a Significant Permit Revision for Artesia Refinery
HF Sinclair Navajo Refining LLC
Artesia, Eddy County, New Mexico

Dear Ms. Valverde,

HF Sinclair Navajo Refining LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Artesia refinery. The date of application submittal to the Air Quality Bureau is expected around June 23, 2026.

The exact location for the facility, known as the Artesia refinery, is 501 E. Main St., Artesia, NM 88210. The approximate location of this facility is less than 0.5 miles east of the intersection of E. Main St. and S. 1st St. in Eddy County.

HF Sinclair Navajo Refining LLC is submitting this application for a significant revision of Permit No. PSD-NM-0195M43, in accordance with 20.2.72.219.D and 20.2.72.402 New Mexico Administrative Code (NMAC). The existing permit authorizes the usage of flares to control vapors generated from process units during maintenance activities, such as de-inventorying equipment, clearing piping associated with emission units, and routine maintenance activities such as heat exchanger repair. In this permit action, Navajo proposes to 1) use flares or temporary portable TOs as VOC control equipment during these activities and 2) update the PM, PM10, and PM2.5 hourly and annual limits to represent temporary portable TO operation. Navajo does not propose to change the non-PM emission limits.

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Pollutant	pph	tpy
Nitrogen Oxides (NO _x)	484.70	894.40
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Volatile Organic Compounds (VOC)	2,569.50	1,837.30
Sulfur Dioxide (SO ₂)	2,090.50	480.10
Particulate Matter (PM)	86.90	255.80
Particulate Matter 10 microns or less (PM ₁₀)	83.70	236.00
Particulate Matter 2.5microns or less (PM _{2.5})	82.30	230.30
Hydrogen Sulfide (H ₂ S)	5.00	6.50
Lead (Pb)	0.00	0.00
Total sum of all Hazardous Air Pollutants (HAPs)	81.40	248.90
Ammonia (NH ₃)	20.30	88.90
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Green House Gas Emissions as Total CO ₂ e	0.00	2,355,259.90

The standard operating schedule of the facility is and will continue to be continuous 24 hours per day, 7 days a week, and a maximum of 52 weeks per year.

The owner and/or operator of the facility is: HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments and questions may be submitted verbally.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención

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Sincerely,



Case Hinkins
EHS Manager
HF Sinclair Navajo Refining LLC
501 E. Main Street
Artesia, NM 88210

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NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you 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. 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.



June 23, 2026

Ms. Cara Cooke
Eddy County, County Clerk
325 S Main Street
Carlsbad, NM 88220

Certified Mail/Return Receipt No.
9589 0710 5270 2681 0388 81

**Re: Public Notice
Application for a Significant Permit Revision for Artesia Refinery
HF Sinclair Navajo Refining LLC
Artesia, Eddy County, New Mexico**

Dear Ms. Cooke,

HF Sinclair Navajo Refining LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Artesia refinery. The date of application submittal to the Air Quality Bureau is expected around June 23, 2026.

The exact location for the facility, known as the Artesia refinery, is 501 E. Main St., Artesia, NM 88210. The approximate location of this facility is less than 0.5 miles east of the intersection of E. Main St. and S. 1st St. in Eddy County.

HF Sinclair Navajo Refining LLC is submitting this application for a significant revision of Permit No. PSD-NM-0195M43, in accordance with 20.2.72.219.D and 20.2.72.402 New Mexico Administrative Code (NMAC). The existing permit authorizes the usage of flares to control vapors generated from process units during maintenance activities, such as de-inventorying equipment, clearing piping associated with emission units, and routine maintenance activities such as heat exchanger repair. In this permit action, Navajo proposes to 1) use flares or temporary portable TOs as VOC control equipment during these activities and 2) update the PM, PM10, and PM2.5 hourly and annual limits to represent temporary portable TO operation. Navajo does not propose to change the non-PM emission limits.

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Particulate Matter 10 microns or less (PM ₁₀)	83.70	236.00
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Lead (Pb)	0.00	0.00
Total sum of all Hazardous Air Pollutants (HAPs)	81.40	248.90
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Green House Gas Emissions as Total CO ₂ e	0.00	2,355,259.90

The standard operating schedule of the facility is and will continue to be continuous 24 hours per day, 7 days a week, and a maximum of 52 weeks per year.

The owner and/or operator of the Facility is: HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.enr.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments and questions may be submitted verbally.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

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Sincerely,



Case Hinkins
EHS Manager
HF Sinclair Navajo Refining LLC
501 E. Main Street
Artesia, NM 88210

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June 23, 2026

Sybill Smith
R252 N Haldeman Rural Rd
Artesia, NM 88210

Certified Mail/Return Receipt No.
9589 0710 5270 2681 0389 11

Re: Public Notice
Application for a Significant Permit Revision for Artesia Refinery
HF Sinclair Navajo Refining LLC
Artesia, Eddy County, New Mexico

Dear Neighbor,

HF Sinclair Navajo Refining LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Artesia Refinery facility. The date of application submittal to the Air Quality Bureau is expected around June 23, 2026.

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Hydrogen Sulfide (H ₂ S)	5.00	6.50
Lead (Pb)	0.00	0.00
Total sum of all Hazardous Air Pollutants (HAPs)	81.40	248.90
Ammonia (NH ₃)	20.30	88.90
Sulfuric Acid (H ₂ SO ₄)	7.80	19.80
Green House Gas Emissions as Total CO ₂ e	0.00	2,355,259.90

The standard operating schedule of the facility is and will continue to be continuous 24 hours per day, 7 days a week, and a maximum of 52 weeks per year.

The owner and/or operator of the Facility is: HollyFrontier Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager, New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.cnv.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments and questions may be submitted verbally.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, relativo a las emisiones producidas por una industria en este área. Si usted desea información en español, por favor comuníquese con esta oficina en el teléfono 505-629-7748.

Sincerely,



Case Hinkins
EHS Manager
HF Sinclair Navajo Refining LLC
501 E. Main Street
Artesia, NM 88210

Notice of Non-Discrimination

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you 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. 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.

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Artesia, NM 88210

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee if applicable)

☒ Return Receipt (hardcopy)	\$ \$0.00
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage \$0.78

Ms. Summer Valverde
City of Artesia – City Clerk
511 W Texas Ave
Artesia, NM 88210

06/23/2026

6/23/26
VM

PS Form 3800, January 2023 PSN 7500-00-000-9047 See Reverse for Instructions

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Artesia, NM 88210

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee if applicable)

☒ Return Receipt (hardcopy)	\$ \$0.00
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage \$0.78

Sybill Smith
R252 N Haldeman Rural Rd
Artesia, NM 88210

06/23/2026

6/23/26
VM

PS Form 3800, January 2023 PSN 7500-00-000-9047 See Reverse for Instructions

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Carlsbad, NM 88220

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee if applicable)

☒ Return Receipt (hardcopy)	\$ \$0.00
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage \$0.78

Ms. Cara Cooke
Eddy County, County Clerk
325 S Main Street
Carlsbad, NM 88220

06/23/2026

6/23/26
VM

PS Form 3800, January 2023 PSN 7500-00-000-9047 See Reverse for Instructions

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Roswell, NM 88203

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee if applicable)

☒ Return Receipt (hardcopy)	\$ \$0.00
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage \$0.78

Ms. Cindy Fuller
Chaves County, County Clerk
#1 St. Mary's Place, Suite 110
Roswell, NM 88203

06/23/2026

6/23/26
VM

PS Form 3800, January 2023 PSN 7500-00-000-9047 See Reverse for Instructions

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Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



06/24/2026

1 Gas Well Services Inc
26 E Compress Rd
Artesia, NM 88210

6/24/26
VM
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PS Form 3800, January 2023 PSN 7530-01-000-9001 See Reverse for Instructions

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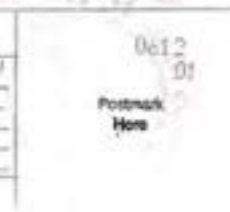
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For delivery information, visit our website at www.usps.com™.

Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



06/24/2026

10.48
Timmy K & Teresa L Baize
210 S Roselawn Ave
Artesia, NM 88210

6/24/26
VM
PAI

PS Form 3800, January 2023 PSN 7530-01-000-9001 See Reverse for Instructions

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Artesia, NM 88211

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



06/24/2026

1 Sue C Pemberton
PO Box 914
Artesia, NM 88211-0914

6/24/26
VM
PAI

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Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



06/24/2026

10.48
Caza Ranches LLC
PO Box 658
Artesia, NM 88211-0658

6/24/26
VM
PAI

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Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



06/24/2026

10.75
Current Resident
602 E Richey Ave
Artesia, NM 88210

6/24/26
VM
PAI

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Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



06/24/2026

10.48
Garcia, Jose Angel Guillermo &
Pando, Marisela
2011 N Oak St
Artesia, NM 88210

6/24/26
VM
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Extra Services & Fees (check box, add fee to total)
☒ Return Receipt (hardcopy) \$10.00
☐ Return Receipt (electronic) \$0.00
☐ Certified Mail Restricted Delivery \$0.00
☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

06/24/2026

1 Cláudia E Martinez
510 E Richey Avenue
Artesia, NM 88210

6/24/26
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Carlsbad, NM 88221

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to total)
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☐ Return Receipt (electronic) \$0.00
☐ Certified Mail Restricted Delivery \$0.00
☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

06/24/2026

1 Corinne B Grace Trust
Western Commerce Bank Trustees
PO Box 1358
Carlsbad, NM 88221-1358

6/24/26
VM
DN

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Roswell, NM 88201

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Extra Services & Fees (check box, add fee to total)
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☐ Return Receipt (electronic) \$0.00
☐ Certified Mail Restricted Delivery \$0.00
☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

06/24/2026

1 DOC Properties LLC
813 N Washington AVE
Roswell, NM 88201

6/24/26
VM
DN

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Hagerman, NM 88232

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to total)
☒ Return Receipt (hardcopy) \$10.00
☐ Return Receipt (electronic) \$0.00
☐ Certified Mail Restricted Delivery \$0.00
☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

06/24/2026

1 David L & Debi M Sant
PO Box 306
Hagerman, NM 88232

6/24/26
VM
DN

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Artesia, NM 88210

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to total)
☒ Return Receipt (hardcopy) \$10.00
☐ Return Receipt (electronic) \$0.00
☐ Certified Mail Restricted Delivery \$0.00
☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

06/24/2026

1 Chase Farms, Richard L Chase
PO Box 658
Artesia, NM 88211-0658

6/24/26
VM
DN

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Artesia, NM 88210

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to total)
☒ Return Receipt (hardcopy) \$10.00
☐ Return Receipt (electronic) \$0.00
☐ Certified Mail Restricted Delivery \$0.00
☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

06/24/2026

1 Chanda Hawkins
169 E Blevins Rd
Artesia, NM 88210

6/24/26
VM
DN

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Artesia, NM 88210

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Extra Services & Fees (check box, add fee to total)	
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☐ Return Receipt (electronic)	\$0.00
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☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78

06/24/2026

1 Reydesel Flores
206 E Grand
Artesia, NM 88210

06/24/26
VM
DN

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Charleston, WV 25322

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to total)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78

06/24/2026

1 Prideco LLC
c/o McJunkin Red Man Corporation
PO Box 513
Charleston, WV 25322-0513

06/24/26
VM
DN

PS Form 3800, January 2023 PSN 7530-01-000-9047 See Reverse for Instructions

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Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to total)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78

06/24/2026

1 Raul V Chavarria
1601 W Centre Ave Apt B1
Artesia, NM 88210

06/24/26
VM
DN

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Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to total)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78

06/24/2026

1 Pedro A & Maria E Ruiz
1611 N Freeman Avenue
Artesia, NM 88210

06/24/26
VM
DN

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Extra Services & Fees (check box, add fee to total)	
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☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78

06/24/2026

1 Buddy L & Brenda J Simmons
420 E Quail
Artesia, NM 88210

06/24/26
VM
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Artesia, NM 88211

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to total)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78

06/24/2026

1 Artesia Metals Inc
PO Box 957
Artesia, NM 88211-0957

06/24/26
VM
DN

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Roswell, NM 88202

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to Certified Mail Fee)

☒ Return Receipt (hardcopy) \$0.00

☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

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 JUN 24 2026
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1 Bell Gas Inc
 PO Box 490
 Roswell, NM 88202-0490

6/24/26
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Artesia, NM 88210

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to Certified Mail Fee)

☒ Return Receipt (hardcopy) \$0.00

☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

0612
 JUN 24 2026
 POSTMARK HERE

1 Current Resident
 1914 Pine Street
 Artesia, NM 88210

6/24/26
 VM
 PAI

PS Form 3800, January 2023 PSN 7520-02-000-9047 See Reverse for Instructions

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U.S. Postal Service™
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For delivery information, visit our website at www.usps.com™.

Fort Worth, TX 76161

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to Certified Mail Fee)

☒ Return Receipt (hardcopy) \$0.00

☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

0612
 JUN 24 2026
 POSTMARK HERE

1 BNSF Railway Company
 PO Box 961089
 Fort Worth, TX 76161

6/24/26
 VM
 PAI

PS Form 3800, January 2023 PSN 7520-02-000-9047 See Reverse for Instructions

9589 0710 5270 2681 0387 13

U.S. Postal Service™
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For delivery information, visit our website at www.usps.com™.

Tulsa, OK 74101

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to Certified Mail Fee)

☒ Return Receipt (hardcopy) \$0.00

☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

0612
 JUN 24 2026
 POSTMARK HERE

1 Airgas USA LLC
 PO Box 1152
 Tulsa, OK 74101-1152

6/24/26
 VM
 PAI

PS Form 3800, January 2023 PSN 7520-02-000-9047 See Reverse for Instructions

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U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com™.

Midland, TX 79701

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to Certified Mail Fee)

☒ Return Receipt (hardcopy) \$0.00

☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

0612
 JUN 24 2026
 POSTMARK HERE

1 Artesia Lumber Company
 PO Box 5564
 Midland, TX 79701-5564

6/24/26
 VM
 PAI

PS Form 3800, January 2023 PSN 7520-02-000-9047 See Reverse for Instructions

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U.S. Postal Service™
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For delivery information, visit our website at www.usps.com™.

Artesia, NM 88210

Certified Mail Fee \$5.30

Extra Services & Fees (check box, add fee to Certified Mail Fee)

☒ Return Receipt (hardcopy) \$0.00

☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.78

0612
 JUN 24 2026
 POSTMARK HERE

1 Oscar & Mary Helen Sosa
 612 N 14th St
 Artesia, NM 88210

6/24/26
 VM
 PAI

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U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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For delivery information, visit our website at www.usps.com™.

Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Current Resident
604 E Richey
Artesia, NM 88210

6/24/26
VM
DU

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9589 0710 5270 2681 0387 99

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For delivery information, visit our website at www.usps.com™.

Roswell, NM 88202

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



GG Armstrong & Son
PO Box 1973
Roswell, NM 88202-1973

6/24/26
VM
DU

PS Form 3800, January 2023 (Rev. 1-2023) See Reverse for Instructions

9589 0710 5270 2681 0386 83

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For delivery information, visit our website at www.usps.com™.

Artesia, NM 88211

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Artesia Alfalfa Growers Assoc
PO Box 930
Artesia, NM 88211-0930

6/24/26
VM
DU

PS Form 3800, January 2023 (Rev. 1-2023) See Reverse for Instructions

9589 0710 5270 2681 0387 37

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For delivery information, visit our website at www.usps.com™.

Killeen, TX 76543

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Josephine Wooten
1802 Standridge St
Killeen, TX 76543

6/24/26
VM
DU

PS Form 3800, January 2023 (Rev. 1-2023) See Reverse for Instructions

9589 0710 5270 2681 0387 51

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Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Current Resident
414 E Quail Street
Artesia, NM 88210

6/24/26
VM
DU

PS Form 3800, January 2023 (Rev. 1-2023) See Reverse for Instructions

9589 0710 5270 2681 0387 44

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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Artesia, NM 88211

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Johnny W & Terry J Fowler
PO Box 1223
Artesia, NM 88211-1223

6/24/26
VM
DU

PS Form 3800, January 2023 (Rev. 1-2023) See Reverse for Instructions

9589 0710 5270 2681 0387 68

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Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, and fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$0.75

06/24/2026

Jesús M & Maria Mascorro
1416 N Freeman Ave
Artesia, NM 88210

PS Form 3800, January 2023 PSN 7530-01-000-9047 See Reverse for Instructions

9589 0710 5270 2681 0387 75

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Lebanon, TN 37087

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, and fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$0.78

06/24/2026

JD Gilbert, JR RC Hoelscher &
Karen Schroeder
2139 Spring Creek Rd
Lebanon, TN 37087

PS Form 3800, January 2023 PSN 7530-01-000-9047 See Reverse for Instructions

9589 0710 5270 2681 0388 12

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Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, and fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$0.78

06/24/2026

Steven B Haines
11032 Lovington Hwy
Artesia, NM 88210

PS Form 3800, January 2023 PSN 7530-01-000-9047 See Reverse for Instructions

9589 0710 5270 2681 0387 82

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For delivery information, visit our website at www.usps.com®.

Fort Lauderdale, FL 33319

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, and fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$0.78

06/24/2026

Grace, Winston & Maria Christina
4940 NM 65th Ave
Lauderhill, FL 33319

PS Form 3800, January 2023 PSN 7530-01-000-9047 See Reverse for Instructions

9589 0710 5270 2681 0388 36

**U.S. Postal Service™
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For delivery information, visit our website at www.usps.com®.

Addison, TX 75001

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, and fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$0.78

06/24/2026

Schlumberger Technology Corp
PO Box 2629
Addison, TX 75001-2629

PS Form 3800, January 2023 PSN 7530-01-000-9047 See Reverse for Instructions

9589 0710 5270 2681 0388 74

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Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, and fee if applicable)	
☒ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$0.78

06/24/2026

Current Resident
410 S Freeman Avenue
Artesia, NM 88210

PS Form 3800, January 2023 PSN 7530-01-000-9047 See Reverse for Instructions

9589 0710 5270 2681 0388 05

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For delivery information, visit our website at www.usps.com™.

Artesia, NM 88210

Certified Mail Fee	\$5.20
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Current Resident
404 E Quail
Artesia, NM 88210

PS Form 3800, January 2023 PSN 7530-02-000-902 See Reverse for Instructions

9589 0710 5270 2681 0388 67

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Artesia, NM 88211

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Murdock Machine Shop Inc
PO Box 1438
Artesia, NM 88211-1438

PS Form 3800, January 2023 PSN 7530-02-000-902 See Reverse for Instructions

9589 0710 5270 2681 0388 29

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Artesia, NM 88211

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Stephen Earl & Jana S Borland
PO Box 371
Artesia, NM 88211-0371

PS Form 3800, January 2023 PSN 7530-02-000-902 See Reverse for Instructions

9589 0710 5270 2681 0388 98

**U.S. Postal Service™
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For delivery information, visit our website at www.usps.com™.

Casper, WY 82602

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Toolpushers Supply Co
PO Drawer 2360
Casper, WY 82602-2360

PS Form 3800, January 2023 PSN 7530-02-000-902 See Reverse for Instructions

9589 0710 5270 2681 0388 50

**U.S. Postal Service™
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Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

Denver, CO 80201

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Southwestern Public Service Co
ATTN: Property Tax Dept
PO Box 1979
Denver, CO 80201

PS Form 3800, January 2023 PSN 7530-02-000-902 See Reverse for Instructions

9589 0710 5270 2681 0388 43

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Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

Artesia, NM 88210

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee to postage)	
☒ Return Receipt (hardcopy)	\$4.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00

Postage \$0.78



Rolando P Chavarria Sr
421 E Quail Street
Artesia, NM 88210

PS Form 3800, January 2023 PSN 7530-02-000-902 See Reverse for Instructions

Submittal of Public Service Announcement – Certification

I, Veo Mills, the undersigned, certify that on June 23, 2026 submitted a public service announcement to Pecos Valley Broadcasting that serves the city of Artesia, Eddy County, New Mexico, in which the source is located and that Pecos Valley Broadcasting RESPONDED THAT IT WOULD AIR THE ANNOUNCEMENT.

Signed this 23rd day of June, 2026

Veo Mills
Signature

6/23/26
Date

Veo Mills
Printed Name

Environmental Specialist
Title

General Posting of Notices – Certification

I, Van Mills, the undersigned, certify that on June 23, 2026, posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the City of Artesia of Eddie County, State of New Mexico on the following dates:

1. Facility entrance 6/23/26
2. Artesia Public Library, 6/23/26
3. Post Office, 6/23/26
4. City Hall, 6/23/26

Signed this 23rd day of June, 2026

Van Mills

Signature

6/23/26

Date

Van Mills

Printed Name

Environmental Specialist

Title {APPLICANT OR RELATIONSHIP TO APPLICANT}

NOTICE

HF Sinclair Navajo Refining LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Artesia refinery. The date of application submittal to the Air Quality Bureau is expected around June 23, 2026.

The exact location for the facility, known as the Artesia refinery, is 501 E. Main St., Artesia, NM 88210. The approximate location of this facility is less than 0.5 miles east of the intersection of E. Main St. and S. 1st St. in Eddy County.

HF Sinclair Navajo Refining LLC is submitting this application for a significant revision of Permit No. PSD-NM-0195M43, in accordance with 20.2.72.219.D and 20.2.72.402 New Mexico Administrative Code (NMAC). The existing permit authorizes the usage of flares to control vapors generated from process units during maintenance activities, such as de-inventorying equipment, clearing piping associated with emission units, and routine maintenance activities such as heat exchanger repair. In this permit action, Navajo proposes to 1) use flares or temporary portable TOs as VOC control equipment during these activities and 2) update the PM, PM₁₀, and PM_{2.5} hourly and annual limits to represent temporary portable TO operation. Navajo does not propose to change the non-PM emission limits.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant	pph	tpy
Nitrogen Oxides (NO _x)	484.70	894.40
Carbon Monoxide (CO)	2,251.20	1,598.50
Volatile Organic Compounds (VOC)	2,569.50	1,837.30
Sulfur Dioxide (SO ₂)	2,090.50	480.10
Particulate Matter (PM)	86.90	255.80
Particulate Matter 10 microns or less (PM ₁₀)	83.70	236.00
Particulate Matter 2.5microns or less (PM _{2.5})	82.30	230.30
Hydrogen Sulfide (H ₂ S)	5.00	6.50
Lead (Pb)	0.00	0.00
Total sum of all Hazardous Air Pollutants (HAPs)	81.40	248.90
Ammonia (NH ₃)	20.30	88.90
Sulfuric Acid (H ₂ SO ₄)	7.80	19.80
Green House Gas Emissions as Total CO ₂ e	0.00	2,355,259.90

The standard operating schedule of the facility is and will continue to be continuous 24 hours per day, 7 days a week, and a maximum of 52 weeks per year.

The owner and/or operator of the Facility is: HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager, New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments and questions may be submitted verbally.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, relativo a las emisiones producidas por una industria en este área. Si usted desea información en español, por favor comuníquese con esta oficina en el teléfono 505-629-7748.

Notice of Non-Discrimination

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you 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. 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.

NOTIFICACIÓN

HF Sinclair Navajo Refining LLC anuncia su solicitud al Departamento de Medio Ambiente de Nuevo México para un permiso de calidad del aire para la modificación de sus instalaciones de la Refinería Artesia. La fecha de presentación de la solicitud a la Oficina de Calidad del Aire fue el 23 de junio de 2026.

La ubicación exacta de la instalación conocida como Artesia Refinery es 501 E. Main St., Artesia, NM 88210. La ubicación aproximada de esta instalación está a menos de 0,5 millas al este de la intersección de E. Main St. y S. 1st St. en el condado de Eddy.

HF Sinclair Navajo Refining LLC presenta esta solicitud para revisión significativa del Permiso No. PSD-NM-0195M43, de acuerdo con 20.2.72.219.D y 20.2.72.402 Código Administrativo de Nuevo México (NMAC). Se presenta la solicitud de revisión técnica propuesta para un tanque de almacenamiento, con el fin de instalar un techo flotante interno en dicho tanque. Esta actividad dará lugar a una reducción tanto de las emisiones reales como de las potenciales de COV, HAP y H₂S en las instalaciones.

Las cantidades máximas estimadas de cualquier contaminante del aire regulado serán las siguientes en libras por hora (pph) y toneladas por año (tpy) y pueden cambiar ligeramente durante el curso de la revisión del Departamento:

Contaminante	pph	tpy
Óxidos de Nitrógeno (NO _x)	484.70	894.40
Monóxido de Carbono (CO)	2,251.20	1,598.50
Compuestos Orgánicos Volátiles (VOC)	2,569.50	1,837.30
Dioxido de azufre (SO ₂)	2,090.50	480.10
Partículas (PM)	86.90	255.80
Partículas de 10 microns o menos (PM ₁₀)	83.70	236.00
Partículas de 2.5microns or menos (PM _{2.5})	82.30	230.30
Ácido Sulfhídrico (H ₂ S)	5.00	6.50
Plomo (Pb)	0.00	0.00
Suma de Contaminantes Aéreos Peligrosos (HAPs)	81.40	248.90
Amoniaco (NH ₃)	20.30	88.90
Ácido Sulfúrico (H ₂ SO ₄)	7.80	19.80
Gases de Efecto Invernadero como CO ₂ e	0.00	2,355,259.90

La operación de la refinería es y continuará siendo de 24 horas al día, 7 días a la semana, y por un máximo de 52 semanas al año.

El propietario y operador de la refinería es HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

Para enviar comentarios sobre la construcción u operación solicitada, y si desea que sus comentarios se incluyan en el proceso de evaluación de este permiso, por favor envíe sus comentarios, por escrito, a la

siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Otros comentarios y cuestiones se pueden resolver verbalmente.

Por favor, incluya en sus comentarios el nombre y ubicación de la refinería, o incluya una copia de este aviso. Esto es necesario puesto que el Departamento (NMED) podría recibir sus comentarios antes de recibir la solicitud enviada por la industria. Por favor incluya además una dirección postal donde el Departamento (NMED) podrá enviar la respuesta a sus comentarios. Una vez completada la revisión preliminar de la solicitud recibida, y su impacto en la calidad del aire, el Departamento (NMED) publicará un aviso en la sección legal del diario local.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, relativo a las emisiones producidas por una industria en este área. Si usted desea información en español, por favor comuníquese con esta oficina en el teléfono 505-629-7748.

Aviso Antidiscriminación

El Departamento (NMED) no discrimina por razón de raza, color, nacionalidad de origen, impedimento físico o mental, edad, o género, en la administración de sus programas o actividades, tal y como lo establece la legislación vigente. El Departamento (NMED) es responsable de la coordinación de las tareas de cumplimiento legal, así como de la recepción de cuestiones asociadas con requerimientos de no discriminación implementadas por 40 C.F.R. Parte 7, que incluyen el Título VI de la modificación de la Ley de Derechos Civiles de 1964, la Sección No. 504 de la Ley de Rehabilitación de 1973, la Ley de Discriminación por Edad de 1975, el Título IX de las modificaciones de Educación de 1972, y la Sección 13 de la modificación de 1972 de la Ley Federal de Control de Polución del Agua.

Si tiene alguna pregunta relativa a este anuncio, o los programas, políticas y procedimientos antidiscriminación del Departamento (NMED), o si usted cree que ha sido discriminado en relación a los programas o actividades del Departamento (NMED), por favor contacte con: Kathryn Becker, Coordinadora Antidiscriminación, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. También puede visitar nuestra página web <https://www.env.nm.gov/non-employee-discrimination-complaint-page/> to learn how and where to file a complaint of discrimination.

NOTICE OF AIR QUALITY PERMIT REVISION APPLICATION

HF Sinclair Nevada Refining LLC announces its application submitted to the New Mexico Environment Department for an air quality permit for the modification of its Artesia refinery. The date of application submitted to the Air Quality Bureau is expected around June 23, 2024.

The exact location for the facility, known as the Artesia refinery, is 501 E. Main St., Artesia, NM 88210. The approximate location of this facility is less than 0.5 miles east of the intersection of E. Main St. and S. 1st St. in Eddy County.

HF Sinclair Nevada Refining LLC is submitting this application for a significant revision of Permit No. PSD-NM-0255443, in accordance with 10.2.72.219.D and 10.2.72.402 New Mexico Administrative Code (NMAC). The existing permit authorizes the usage of fuels to control vapors generated from process units during maintenance activities, such as de-inventorying equipment, clearing piping associated with routine units, and routine maintenance activities such as heat exchanger repair. In this permit action, Navajo proposes to 1) use flares for temporary portable TOs as VOC control equipment during these activities and 2) update the PM₁₀, and PM_{2.5} hourly and annual limits to represent temporary portable TO operations. Navajo does not propose to change the non-PM emission limits.

The estimated maximum quantities of any regulated air contaminant will be as follows in pounds per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant	pph	tpy
Nitrogen Oxides (NOx)	484.79	894.40
Carbon Monoxide (CO)	2,251.20	1,984.50
Volatile Organic Compounds (VOC)	2,569.50	1,437.90
Sulfur Dioxide (SO ₂)	2,090.50	480.10
Particulate Matter (PM)	86.90	235.80
Particulate Matter 10 microns or less (PM ₁₀)	83.70	236.00
Particulate Matter 2.5 microns or less (PM _{2.5})	82.30	230.80
Hydrogen Sulfide (H ₂ S)	3.00	4.50
Lead (Pb)	0.00	0.00
Total sum of all Hazardous Air Pollutants (HAPs)	81.40	248.90
Aromatics (NH ₃) 20.30	88.90	
Sulfuric Acid (H ₂ SO ₄)	7.80	19.80
Green House Gas Emissions as Total CO ₂ e	0.00	2,335,259.90

The standard operating schedule of the facility is and will continue to be continuous 24 hours per day, 7 days a week, and a maximum of 52 weeks per year.

The owner and/or operator of the facility is HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager, New Mexico Environment Department, Air Quality Bureau, 525 Camino de los Marquez, Suite 1, Santa Fe, New Mexico, 87505-1416; (505) 476-6900, 1 800 224-7909; https://www.enr.nm.gov/air/permits/apply_draft_permits.html. Other comments and questions may be submitted verbally.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención

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Notice of Non-Discrimination

NMIED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMIED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975; Title IX of the Education Amendments of 1972; and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMIED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMIED program or activity, you may contact Kathryn Beckert, Non-Discrimination Coordinator, NMIED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, ndc.coordinator@state.nm.us. You may also visit our website at <https://www.enr.nm.gov/non-employee-discrimination-complaint-page/> to learn how and where to file a complaint of discrimination.

Proof of newspaper ad. The ad will publish on 7/1/24.

AVISO DE SOLICITUD DE REVISIÓN DE PERMISO DE CALIDAD DEL AIRE

HF Sinclair Navajo Refining LLC anuncia la presentación de su solicitud al Departamento de Medio Ambiente de Nuevo México para un permiso de calidad del aire para la modificación de sus instalaciones de refinería de Artesia. La fecha de presentación de la solicitud a la Oficina de Calidad del Aire se espera alrededor del 23 de junio de 2026.

La ubicación exacta de la instalación, conocida como la refinería de Artesia, es 501 E. Main St., Artesia, NM 88210. La ubicación aproximada de esta instalación está a menos de 0.5 millas al este de la intersección de E. Main St. y S. 1st St. en el condado de Eddy.

HF Sinclair Navajo Refining LLC presenta esta solicitud para una revisión significativa del Permiso No. PSD-NM-0195M13, de acuerdo con 20.2.72.219.D y 20.2.72.402 Código Administrativo de Nuevo México (DMAC). Se presenta la solicitud de revisión técnica propuesta para un tanque de almacenamiento, con el fin de instalar un techo flotante interno en dicho tanque. Esta actividad dará lugar a una reducción tanto de las emisiones reales como de las potenciales de COV, HAP y H2S en las instalaciones.

Las cantidades máximas estimadas de cualquier contaminante del aire regulado serán las siguientes en libras por hora (pph) y toneladas por año (tpy) y pueden cambiar ligeramente durante el curso de la revisión del Departamento:

Contaminante	Pph	tpy
Oxígeno de nitrógeno (NOx)	484.70	694.40
Monóxido de carbono (CO)	2,251.20	1,598.50
Compuestos orgánicos volátiles (COV)	2,569.50	1,837.30
Dióxido de azufre (SO2)	2,099.50	483.10
Materia particulada (PM)	86.90	255.80
Partículas de 10 micras o menos (PM10)	83.70	236.00
Partículas de 2.5 micras o menos (PM2.5)	83.30	230.30
Sulfuro de hidrógeno (H2S)	5.40	6.50
Plomo (Pb)	4.00	8.80
Suma total de todos los contaminantes atmosféricos peligrosos (HAP)	81.40	248.90
Amoníaco (NH3)	20.30	88.90
Ácido sulfúrico (H2SO4)	7.80	18.80
Emisiones de gases de efecto invernadero como CO2e total	8.00	2,455,359.90

El horario de funcionamiento estándar de la instalación es y seguirá siendo continuo las 24 horas del día, los 7 días de la semana y un máximo de 52 semanas al año.

El propietario y/o operador de la instalación es HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

Si tiene algún comentario sobre la construcción o operación de esta instalación, y desea que sus comentarios se hagan como parte del proceso de revisión de permisos, debe enviar sus comentarios por escrito a esta dirección: Gerente de Programas de Permisos, Departamento de Medio Ambiente de Nuevo México, Oficina de Calidad del Aire, 525 Camino de los Márques, Suite 1, Santa Fe, Nuevo México, 87505-1816; (505) 476-4300, 1 800 224-7089; https://www.nm.gov/air/permits/air_quality_permitting.html. Otros comentarios y preguntas pueden ser presentados verbalmente.

Consulte el nombre de la empresa y el nombre de la instalación, o envíe una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud de permiso. Incluya una dirección postal legible con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, el aviso del Departamento se publicará en la acción legal de un periódico que circule cerca de la ubicación de la instalación.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, relativo a las emisiones producidas por una industria en este área. Si usted desea información en español, por favor comuníquese con esta oficina en el teléfono 505-628-7748.

Aviso de no discriminación

NMIED no discrimina por motivos de raza, color, nacionalidad, discapacidad, edad o sexo en la administración de sus programas o actividades, según lo exige la ley y reglamentos aplicables. NMIED es responsable de la coordinación de los esfuerzos de cumplimiento y la recepción de consultas relacionadas con los requisitos de no discriminación implementados por 40 C.F.R. Parte 7, incluido el Título VI de la Ley de Derechos Civiles de 1964, según enmendado; Sección 504 de la Ley de Rehabilitación de 1973; la Ley de Discriminación por Edad de 1975; el Título IX de las Enmiendas a la Educación de 1972 y la Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene alguna pregunta sobre este aviso o cualquiera de los programas, políticas o procedimientos de no discriminación de NMIED, o si cree que ha sido discriminado con respecto a un programa o actividad de NMIED, puede comunicarse con: Kathryn Becker, Coordinadora de No Discriminación, NMIED, 1190 St. Francis Dr., Suite N4000, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-3855, nf.coordinator@nmied.nm.gov. También puede visitar nuestro sitio web en <https://www.nm.gov/non-employee-discrimination-complaint-page/> para saber cómo y dónde presentar una queja por discriminación.

**AVISO DE SOLICITUD DE REVISIÓN DE PERMISO
DE CALIDAD DEL AIRE**

HF Sinclair Navajo Refining LLC anuncia la presentación de su solicitud al Departamento de Medio Ambiente de Nuevo México para un permiso de calidad del aire para la modificación de sus instalaciones de refinería de Artesia. La fecha de presentación de la solicitud a la Oficina de Calidad del Aire se espera alrededor del 23 de junio de 2026.

La ubicación exacta de la instalación, conocida como la refinería de Artesia, es 501 E. Main St., Artesia, NM 88210. La ubicación aproximada de esta instalación está a menos de 0.5 millas al este de la intersección de E. Main St. y S. 1st St. en el condado de Eddy.

HF Sinclair Navajo Refining LLC presenta esta solicitud para una revisión significativa del Permiso No. PSD-NM-0195M43, de acuerdo con 20.2.72.219.D y 20.2.72.402 Código Administrativo de Nuevo México (NMAC). Se presenta la solicitud de revisión técnica propuesta para un tanque de almacenamiento, con el fin de instalar un techo flotante interno en dicho tanque. Esta actividad dará lugar a una reducción tanto de las emisiones reales como de las potenciales de COV, HAP y H₂S en las instalaciones.

Las cantidades máximas estimadas de cualquier contaminante del aire regulado serán las siguientes en libras por hora (pph) y toneladas por año (tpy) y pueden cambiar ligeramente durante el curso de la revisión del Departamento:

Contaminante	Pph	tpy
Oxidos de nitrógeno (NOx)	484.70	894.40
Monóxido de carbono (CO)	2,251.20	1,598.50
Compuestos orgánicos volátiles (COV)	2,569.50	1,837.30
Dióxido de azufre (SO ₂)	2,090.50	480.10
Material particulado (PM)	86.90	255.80
Partículas de 10 micras o menos (PM ₁₀)	83.70	236.00
Partículas de 2.5 micras o menos (PM _{2.5})	82.30	230.30
Sulfuro de hidrógeno (H ₂ S)	5.00	6.50
Plomo (Pb)	0.00	0.00
Suma total de todos los contaminantes atmosféricos peligrosos (HAP)	81.40	248.90
Amoníaco (NH ₃)	20.30	88.90
Ácido sulfúrico (H ₂ SO ₄)	7.80	19.80
Emisiones de gases de efecto invernadero como CO ₂ e total	0.00	2,355,259.90

El horario de funcionamiento estándar de la instalación es y seguirá siendo continuo las 24 horas del día, los 7 días de la semana y un máximo de 52 semanas al año.

El propietario y/o operador de la Instalación es: HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

Si tiene algún comentario sobre la construcción u operación de esta instalación, y desea que sus comentarios se hagan como parte del proceso de revisión de permisos, debe enviar sus comentarios por escrito a esta dirección: Gerente de Programas de Permisos, Departamento de Medio Ambiente de Nuevo México; Oficina de Calidad del Aire; 525 Camino de los Márquez, Suite 1; Santa Fe, Nuevo México; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.env.nm.gov/aqb/permits/aqb_draft_permits.html. Otros comentarios y preguntas pueden ser presentados verbalmente.

Consulte el nombre de la empresa y el nombre de la instalación, o envíe una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud de permiso. Incluya una dirección postal legible con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, el aviso del Departamento se publicará en la sección legal de un periódico que circule cerca de la ubicación de la instalación.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, relativo a las emisiones producidas por una industria en este área. Si usted desea información en español, por favor comuníquese con esta oficina en el teléfono 505-629-7748.

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NOTICE OF AIR QUALITY PERMIT REVISION
APPLICATION

HF Sinclair Navajo Refining LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Artesia refinery. The date of application submittal to the Air Quality Bureau is expected around June 23, 2026.

The exact location for the facility, known as the Artesia refinery, is 501 E. Main St., Artesia, NM 88210. The approximate location of this facility is less than 0.5 miles east of the intersection of E. Main St. and S. 1st St. in Eddy County.

HF Sinclair Navajo Refining LLC is submitting this application for a significant revision of Permit No. PSD-NM-0195M43, in accordance with 20.2.72.219.D and 20.2.72.402 New Mexico Administrative Code (NMAC). The existing permit authorizes the usage of flares to control vapors generated from process units during maintenance activities, such as de-inventorying equipment, clearing piping associated with emission units, and routine maintenance activities such as heat exchanger repair. In this permit action, Navajo proposes to 1) use flares or temporary portable TOs as VOC control equipment during these activities and 2) update the PM, PM10, and PM2.5 hourly and annual limits to represent temporary portable TO operation. Navajo does not propose to change the non-PM emission limits.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant	pph	tpy
Nitrogen Oxides (NOx)	484.70	894.40
Carbon Monoxide (CO)	2,251.20	1,598.50
Volatile Organic Compounds (VOC)	2,569.50	1,837.30
Sulfur Dioxide (SO2)	2,090.50	480.10
Particulate Matter (PM)	86.90	255.80
Particulate Matter 10 microns or less (PM10)	83.70	236.00
Particulate Matter 2.5 microns or less (PM2.5)	82.30	230.30
Hydrogen Sulfide (H2S)	5.00	6.50
Lead (Pb)	0.00	0.00
Total sum of all Hazardous Air Pollutants (HAPs)	81.40	248.90
Ammonia (NH3) 20.30	88.90	
Sulfuric Acid (H2SO4)	7.80	19.80
Green House Gas Emissions as Total CO2e	0.00	2,355,259.90

The standard operating schedule of the facility is and will continue to be continuous 24 hours per day, 7 days a week, and a maximum of 52 weeks per year.

The owner and/or operator of the Facility is: HF Sinclair Navajo Refining LLC, P.O. Box 159, Artesia, NM 88211-0159.

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager, New Mexico Environment Department, Air Quality Bureau, 525 Camino de los Marquez, Suite 1, Santa Fe, New Mexico, 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments and questions may be submitted verbally.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, relativo a las emisiones producidas por una industria en este área. Si usted desea información en español, por favor comuníquese con esta oficina en el teléfono 505-629-7748.

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Section 10

Written Description of the Routine Operations of the Facility

A written description of the routine operations of the facility. Include a description of how each piece of equipment will be operated, how controls will be used, and the fate of both the products and waste generated. For modifications and/or revisions, explain how the changes will affect the existing process. In a separate paragraph describe the major process bottlenecks that limit production. The purpose of this description is to provide sufficient information about plant operations for the permit writer to determine appropriate emission sources.

The Artesia Refinery operates one crude oil distillation unit and various downstream process units to produce various petroleum products. The Artesia Refinery processes crude oil, as well as intermediates, received from outside sources such as Navajo's Lovington Refinery and other third-party sources. The crude oil, and other intermediates, enter the Artesia Refinery via pipeline, truck, or rail. The Artesia Refinery produces liquefied petroleum gases ("LPG"), kerosene, diesel fuel, various grades of gasoline, carbon black oil, gas oils, fuel oils, asphalt, pitch, and molten sulfur. For its own use, the Artesia Refinery produces refinery fuel gas, hydrogen, nitrogen, and steam.

This significant revision is being submitted to allow the use of flares or temporary portable thermal oxidizers (TOs) as VOC control equipment during SSM activities. Temporary portable TOs are generally considered to provide better VOC destruction compared to flares due to their enclosed design.

For additional discussion, refer to Section 3.

Section 11

Source Determination

Source submitting under 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC

Sources applying for a construction permit, PSD permit, or operating permit shall evaluate surrounding and/or associated sources (including those sources directly connected to this source for business reasons) and complete this section. Responses to the following questions shall be consistent with the Air Quality Bureau's permitting guidance, Single Source Determination Guidance, which may be found on the Applications Page in the Permitting Section of the Air Quality Bureau website.

Typically, buildings, structures, installations, or facilities that have the same SIC code, that are under common ownership or control, and that are contiguous or adjacent constitute a single stationary source for 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC applicability purposes. Submission of your analysis of these factors in support of the responses below is optional, unless requested by NMED.

A. Identify the emission sources evaluated in this section (list and describe):

SSM-2 MISC

B. Apply the 3 criteria for determining a single source:

SIC Code: Surrounding or associated sources belong to the same 2-digit industrial grouping (2-digit SIC code) as this facility, OR surrounding or associated sources that belong to different 2-digit SIC codes are support facilities for this source.

☒ **Yes** ☐ **No**

Common Ownership or Control: Surrounding or associated sources are under common ownership or control as this source.

☒ **Yes** ☐ **No**

Contiguous or Adjacent: Surrounding or associated sources are contiguous or adjacent with this source.

☒ **Yes** ☐ **No**

C. Make a determination:

- ☐ The source, as described in this application, constitutes the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes. If in "A" above you evaluated only the source that is the subject of this application, all "YES" boxes should be checked. If in "A" above you evaluated other sources as well, you must check **AT LEAST ONE** of the boxes "NO" to conclude that the source, as described in the application, is the entire source for 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC applicability purposes.
- ☒ The source, as described in this application, **does not** constitute the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes (A permit may be issued for a portion of a source). The entire source consists of the following facilities or emissions sources (list and describe):
The entire source consists of all sources listed in the PSD and Title V permit (see Table 2-A of this application package).

Section 12

Section 12.A

PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

A PSD applicability determination for all sources. For sources applying for a significant permit revision, apply the applicable requirements of 20.2.74.AG and 20.2.74.200 NMAC and to determine whether this facility is a major or minor PSD source, and whether this modification is a major or a minor PSD modification. It may be helpful to refer to the procedures for Determining the Net Emissions Change at a Source as specified by Table A-5 (Page A.45) of the EPA New Source Review Workshop Manual to determine if the revision is subject to PSD review.

A. This facility is:

- ☐ a minor PSD source before and after this modification (if so, delete C and D below).
- ☐ a major PSD source before this modification. This modification will make this a PSD minor source.
- ☐ an existing PSD Major Source that has never had a major modification requiring a BACT analysis.
- ☒ an existing PSD Major Source that has had a major modification requiring a BACT analysis
- ☐ a new PSD Major Source after this modification.

B. This facility is one of the listed 20.2.74.501 Table I – PSD Source Categories. This permitting action does not constitute a major modification under the PSD regulations.

In this permit action, Navajo proposes to 1) use flares or temporary portable thermal oxidizers as VOC control equipment during these activities and 2) update the PM, PM10, and PM2.5 hourly and annual limits to represent temporary portable thermal oxidizer operation.

This permitting action may be considered as a change in the method of operation at the Artesia Refinery. Existing annual SSM-2 MISC allowable emission limits for pollutants other than PM, PM10, and PM2.5 are not requested to be changed.

The requested PM, PM10, and PM2.5 annual allowable emission limits are each below the applicable PSD significant emission rates in 20.2.74.502 NMAC, Table 2. Therefore, the increase is not significant and does not trigger PSD major modification review.

The emissions (before netting) are as follows [see Table 2 in 20.2.74.502 NMAC for a complete list of significance levels]:

	Project
a. NOx:	0.00 TPY
b. CO:	0.00 TPY
c. VOC:	0.00 TPY
d. SOx:	0.00 TPY
e. PM:	0.27 TPY
f. PM10:	0.27 TPY
g. PM2.5:	0.27 TPY
h. Fluorides:	0.00 TPY
i. Lead:	0.00 TPY
j. Sulfur compounds (listed in Table 2):	0.00 TPY
k. GHG:	0.00 TPY

C. Netting is not required, as this permitting action is not significant.

D. BACT is not required for this modification, as this application is a minor modification.

- E If this is an existing PSD major source, or any facility with emissions greater than 250 TPY (or 100 TPY for 20.2.74.501 Table 1 – PSD Source Categories), determine whether any permit modifications are related, or could be considered a single project with this action, and provide an explanation for your determination whether a PSD modification is triggered. **This permitting action is independent from and wholly unrelated to any other permitting action. Refer to Section 3 for additional discussion.**

Section 13

Determination of State & Federal Air Quality Regulations

This section lists each state and federal air quality regulation that may apply to your facility and/or equipment that are stationary sources of regulated air pollutants.

Not all state and federal air quality regulations are included in this list. Go to the Code of Federal Regulations (CFR) or to the Air Quality Bureau's regulation page to see the full set of air quality regulations.

Required Information for Specific Equipment:

For regulations that apply to specific source types, in the 'Justification' column **provide any information needed to determine if the regulation does or does not apply**. For example, to determine if emissions standards at 40 CFR 60, Subpart IIII apply to your three identical stationary engines, we need to know the construction date as defined in that regulation; the manufacturer date; the date of reconstruction or modification, if any; if they are or are not fire pump engines; if they are or are not emergency engines as defined in that regulation; their site ratings; and the cylinder displacement.

Required Information for Regulations that Apply to the Entire Facility:

See instructions in the 'Justification' column for the information that is needed to determine if an 'Entire Facility' type of regulation applies (e.g. 20.2.70 or 20.2.73 NMAC).

Regulatory Citations for Regulations That Do Not, but Could Apply:

If there is a state or federal air quality regulation that does not apply, but you have a piece of equipment in a source category for which a regulation has been promulgated, you must **provide the low level regulatory citation showing why your piece of equipment is not subject to or exempt from the regulation**. For example if you have a stationary internal combustion engine that is not subject to 40 CFR 63, Subpart ZZZZ because it is an existing 2 stroke lean burn stationary RICE with a site rating of more than 500 brake HP located at a major source of emissions, your citation would be 40 CFR 63.6590(b)(3)(i). **We don't want a discussion of every non-applicable regulation, but if it is possible that a regulation could apply, explain why it does not.** For example, if your facility is a power plant, you do not need to include a citation to show that 40 CFR 60, Subpart OOO does not apply to your non-existent rock crusher.

Regulatory Citations for Emission Standards:

For each unit that is subject to an emission standard in a source specific regulation, such as 40 CFR 60, Subpart OOO or 40 CFR 63, Subpart HH, include the low level regulatory citation of that emission standard. Emission standards can be numerical emission limits, work practice standards, or other requirements such as maintenance. Here are examples: a glycol dehydrator is subject to the general standards at 63.764C(1)(i) through (iii); an engine is subject to 63.6601, Tables 2a and 2b; a crusher is subject to 60.672(b), Table 3 and all transfer points are subject to 60.672(e)(1)

Federally Enforceable Conditions:

All federal regulations are federally enforceable. All Air Quality Bureau State regulations are federally enforceable except for the following: affirmative defense portions at 20.2.7.6.B, 20.2.7.110(B)(15), 20.2.7.11 through 20.2.7.113, 20.2.7.115, and 20.2.7.116; 20.2.37; 20.2.42; 20.2.43; 20.2.62; 20.2.63; 20.2.86; 20.2.89; and 20.2.90 NMAC. Federally enforceable means that EPA can enforce the regulation as well as the Air Quality Bureau and federally enforceable regulations can count toward determining a facility's potential to emit (PTE) for the Title V, PSD, and nonattainment permit regulations.

INCLUDE ANY OTHER INFORMATION NEEDED TO COMPLETE AN APPLICABILITY DETERMINATION OR THAT IS RELEVANT TO YOUR FACILITY'S NOTICE OF INTENT OR PERMIT.

EPA Applicability Determination Index for 40 CFR 60, 61, 63, etc: <http://cfpub.epa.gov/adi/>

Table 13-1: State Regulations

<u>State Regulation Citation</u>	<u>Title</u>	<u>Applies? Enter Yes or No</u>	<u>Unit(s) or Facility</u>	<u>Justification</u>
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply Construction permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQs	Yes	Facility	The Artesia Refinery is subject to 20.2.3 NMAC State Implementation Plan ("SIP") approved regulation that limits the maximum allowable concentration of, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide.
20.2.7 NMAC	Excess Emissions	Yes	Facility	The Artesia Refinery is subject to permit emissions limits, and federal or state regulation's numerical emissions standards. Thus, it is subject to 20.2.7 NMAC requirements.
20.2.23 NMAC	Fugitive Dust Control	No	Facility	The Artesia Refinery is not a fugitive dust source listed at 20.2.23.108.A NMAC, and is not located in an area subject to a mitigation plan pursuant to 40 CFR 51.930. As of January 2019, the only areas of the State subject to a mitigation plan per 40 CFR 51.930 are in Doña Ana and Luna Counties.
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	Yes	See Table 13-3	The Artesia Refinery has new (equipment which commenced construction or modification after February 17, 1972) and existing gas burning equipment (i.e., gas fired boilers and heaters) with a heat input of greater than 1,000,000 million British Thermal Units per year per unit. Table 13-3 at the end of this section, summarizes the applicable regulations to the Artesia Refinery boilers and heaters.
20.2.34 NMAC	Oil Burning Equipment: NO ₂	No	N/A	The Artesia Refinery does not have oil burning equipment (i.e., external combustion emission sources, such as oil-fired boilers and heaters) having a heat input of greater than 1,000,000 million British Thermal Units per year per unit.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	No	N/A	The Artesia Refinery is not a natural gas processing plant as the term is defined in 20.2.35.7.A and B.
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	N/A	N/A	The Artesia Refinery had equipment subject to 20.2.36 and 20.2.37 NMAC before the repeal of these rules. Therefore, the affected combustion emission sources are now subject to 20.2.61 NMAC.
20.2.38 NMAC	Hydrocarbon Storage Facility	Yes	See Table 13-12	Section 111 of this rule does not apply because the Artesia Refinery is not located within five miles of the corporate limits of a municipality that has a population of 20,000 or greater. Section 112 of this rule does not apply because the Artesia Refinery is not a petroleum production facility. Table 13-12, included at the end of this section, summarizes the Artesia Refinery petroleum storage tanks subject to certain other 20.2.38 NMAC requirements. Navajo is in the process of reevaluating the applicability of 20.2.38.109/110 NMAC during the next application.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	The Artesia Refinery SRUs are part of a petroleum processing facility, therefore, per 20.2.39.6 NMAC this regulation is not applicable.
20.2.50 NMAC	Oil and Gas Sector – Ozone Precursor Pollutants	No	N/A	The Artesia Refinery is an oil refinery and not subject to this regulation pursuant to 20.2.50.111(D).
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	See Tables 13-3, 13-4,	The Artesia Refinery boilers, heaters, SRU tail gas incinerators, flares, and engines are subject to the 20% opacity limit for Stationary Combustion Equipment in

<u>State Regulation Citation</u>	<u>Title</u>	<u>Applies? Enter Yes or No</u>	<u>Unit(s) or Facility</u>	<u>Justification</u>
			13-6, and 13-7	20.2.61.109 NMAC as summarized in Tables 13-3 through 13-6 included at the end of this section. Temporary portable thermal oxidizers combusting refinery fuel gas will comply with the associated requirements of 20.2.61.109 NMAC.
20.2.70 NMAC	Operating Permits	Yes	Facility	The Artesia Refinery is a major source with a potential to emit ("PTE") of 100 tpy or more for NOx, CO, VOC, SO2 and PM/PM10/PM2.5, and a HAPs PTE of 10 tpy or more for a single HAP or 25 or more tpy for combined HAPs. The Artesia Refinery operates under Operating Permit P051-R3.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	The Artesia Refinery is subject to 20.2.70 NMAC. The Artesia Refinery Operating Permit P051-R3 includes numerical ton per year emission limits. Therefore, it is subject to 20.2.71 NMAC.
20.2.72 NMAC	Construction Permits	Yes	Facility	The Artesia Refinery is subject to 20.2.72 NMAC and NSR Permit number: PSD-195-M43.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	Notice of Intent ("NOI"): N/A All facilities that are a Title V Major Source as defined at 20.2.70.7.R NMAC, are subject to Emissions Inventory Reporting.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	Yes	Units	Per 20.2.74.7.AG(1) NMAC, the Artesia Refinery is a major stationary source as it is a stationary source listed in Table 1 (20.2.74.501 NMAC) which emits, or has the potential to emit, emissions equal to or greater than one hundred (100) tons per year of any regulated NSR air pollutant. Certain units at the Artesia Refinery are subject to PSD requirements in NSR Permit No. PSD-195-M43.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	The Artesia Refinery is not subject to the 20.2.75.11.E annual fees because it is subject to 20.2.71 NMAC.
20.2.77 NMAC	New Source Performance	Yes	See Tables 13-3 to 13- 12	Tables 13-3 through 13-12, included at the end of this section. summarize 40 CFR Part 60 applicability for the Artesia Refinery NSPS affected facilities.
20.2.78 NMAC	Emission Standards for HAPS	Yes	Facility	The Artesia Refinery is subject to 40 CFR 61, Subpart FF but is exempt from control requirements (40 CFR §§ 61.340(a) and 61.342(a)).
20.2.79 NMAC	Permits – Nonattainment Areas	No	Facility	The Artesia Refinery is located in Eddy County, an area that is designated as unclassifiable or attainment with respect to all National Ambient Air Quality Standards.
20.2.80 NMAC	Stack Heights	No	Facility	Rule restricts NMED, not stationary sources.
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	See Tables 13-3 to 13- 12	Tables 13-3 through 13-12, included at the end of this section. summarize 40 CFR Part 63 applicability for the Artesia Refinery affected HAPs emission sources.

Table 13-2: Federal Regulations

Federal Regulations Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification
40 CFR 50	NAAQS	Yes	Facility	The Artesia Refinery is subject to 20.2.70, 20.2.72, and 20.2.74 NMAC per 20.2.70.7.E.11.
40 CFR 60 Subpart A	General Provisions	Yes	See Tables 13-3 to 13-12	Tables 13-3 through 13-12, included at the end of this section, summarize 40 CFR Part 60 applicability for the Artesia Refinery NSPS affected facilities.
40 CFR 60 Subpart D	Standards of Performance for Fossil-Fuel-Fired Steam Generators	No	N/A	The Artesia Refinery boilers design capacities are less than Subpart D applicability threshold of 250 MMBtu/hr, and the process heaters are not fossil-fuel-fired steam generating units, as the term is defined in 40 CFR § 60.41.
40 CFR 60 Subpart Da	Standards of Performance for Electric Utility Steam Generating Units	No	N/A	The Artesia Refinery does not own or operate an electric utility steam generating unit, as the term is defined in 40 CFR §60.41Da
40 CFR 60 Subpart Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	Yes	See Table 13-3	The Artesia Refinery boilers B-0007, B-0008, and B-0009 and hot oil heater H-2501, construction of which was commenced after June 19, 1984, have design heat input capacities great than 100 MMBtu/hr (HHV), fire solely fuel gas, and are "steam generating units" as this term is defined in 40 CFR §60.41b. Subpart Db standards for PM and SO ₂ are not applicable to refinery fuel gas firing units.
40 CFR 60 Subpart Dc	Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units	Yes	See Table 13-3	Construction of the SRU Hot Oil Heaters H-0464 and H-3101 commenced after June 9, 1989, have design heat input capacity greater than 10 MMBtu/hr (HHV) and less than 100 MMBtu/hr (HHV), fire solely fuel gas, and are each a "steam generating unit" as this term is defined in 40 CFR §60.41c. Subpart Dc standards for SO ₂ and PM are not applicable to refinery fuel gas firing units.
40 CFR 60 Subpart J	Standards of Performance for Petroleum Refineries	Yes	See Tables 13-3 and 13-5	Tables 13-3 and 13-5, included at the end of this section summarize 40 CFR Part 60, Subpart J applicability for potentially affected Artesia Refinery boilers, heaters and FCCU.
40 CFR 60 Subpart Ja	Standards of Performance for Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After May 14, 2007	Yes	See Tables 13-3, 13-4, 13-6	Tables 13-3, 13-4, and 13-6, included at the end of this section summarize 40 CFR Part 60, Subpart Ja applicability for potentially affected Artesia Refinery boilers, heaters, SRU2, SRU3, and flares. Temporary portable thermal oxidizers combusting refinery fuel gas will comply with the associated requirements of 40 CFR 60 Subpart Ja. Temporary portable thermal oxidizer vendors generally acquire EPA-approved alternative monitoring plans (AMPs) and comply with the associated requirements.
40 CFR 60 Subpart K	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June	Yes	See Table 13-12	Table 13-12, included at the end of this section, summarizes 40 CFR Part 60, Subpart K applicability for potentially affected Artesia Refinery storage tanks.

	11, 1973, and Prior to May 19, 1978			
40 CFR 60 Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	Yes	See Table 13-12	Table 13-12 included at the end of this section, summarizes 40 CFR Part 60, Subpart Ka applicability for potentially affected Artesia Refinery storage tanks.
40 CFR 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, and prior to October 4, 2023	Yes	See Table 13-12	Table 13-12, included at the end of this section, summarizes 40 CFR Part 60, Subpart Kb applicability for potentially affected Artesia Refinery storage tanks.
40 CFR 60 Subpart Kc	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After October 4, 2023	No	N/A	The Artesia Refinery tanks were constructed, reconstructed, or modified before October 4, 2023.
40 CFR 60 Subpart GG	Standards of Performance for Stationary Gas Turbines	No	N/A	The Artesia Refinery does not include stationary gas turbines.
40 CFR 60 Subpart XX	Standards of Performance for Bulk Gasoline Terminals	No	See Table 13-10	Table 13-10, included at the end of this section, summarizes 40 CFR Part 60, Subpart XX applicability for potentially affected Artesia Refinery loading racks.
40 CFR 60 Subpart GGG	Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or before November 7, 2006	No	N/A	The Artesia Refinery affected facilities were constructed, reconstructed, or modified after November 7, 2006, and are therefore subject to 40 CFR 60, Subpart GGGa, rather than Subpart GGG.
40 CFR 60 Subpart GGGa	Standards of Performance for Equipment Leaks of	Yes	See Table 13-11	Table 13-11, included at the end of this section, summarizes 40 CFR Part 60, Subpart GGGa applicability for the affected facilities in the Artesia Refinery.

	VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced after November 7, 2006			
40 CFR 60 Subpart KKK	Standards of Performance for Equipment Leaks of VOC From Onshore Natural Gas Processing Plants for Which Construction, Reconstruction, or Modification Commenced After January 20, 1984, and on or Before August 23, 2011	No	N/A	The Artesia Refinery is not a natural gas processing plant as this term is defined in 40 CFR § 60.631.
40 CFR 60 Subpart LLL	Standards of Performance for SO ₂ Emissions from Onshore Natural Gas Processing for Which Construction, Reconstruction, or Modification Commenced After January 20, 1984, and on or Before August 23, 2011	No	N/A	The Artesia Refinery does not include any sweetening units as this term is defined in 40 CFR § 60.641.
40 CFR 60 Subpart NNN	Standards of Performance for Volatile Organic Compound (VOC) Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations	Yes	W-623	The depropanizer column in the Alkylation Unit is subject to this rule because it produces, among other things, propane as a product. (See, 40 CFR §§ 60.660(b) and 60.667.)
40 CFR 60 Subpart QQQ	Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems	Yes	See Tables 13-9 and 13-11	Tables 13-9 and 13-11, included at the end of this section, summarize 40 CFR Part 60, Subpart QQQ applicability for the affected facilities in the Artesia Refinery.
40 CFR 60 Subpart RRR	Standards of Performance for Volatile Organic Compound (VOC) Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor	Yes	Alky Reactor	The reactor in the Alkylation Unit is subject to this rule because it produces, among other things, propane as a product. (See, 40 CFR §§ 60.700(b) and 60.707.)

	Processes			
40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	Yes	See Table 13-7	Table 13-7 included at the end of this section, summarizes 40 CFR Part 60, Subpart IIII applicability for the Artesia Refinery stationary compression ignition ("CI") internal combustion engines ("ICE.")
40 CFR 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	No	N/A	The Artesia Refinery does not own or operate any stationary spark ignition internal combustion engines.
40 CFR 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction, modification or reconstruction commenced after August 23, 2011 and before September 18, 2015	No	N/A	The Artesia Refinery is not in the Crude Oil and Natural Gas Production source category, as defined in §60.5430.
40 CFR 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	No	N/A	The Artesia Refinery is not in the Crude Oil and Natural Gas Production source category, as defined in §60.5430a.
40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	The Artesia Refinery does not own or operate any steam generating unit, IGCC, or stationary combustion turbine as these terms are defined in 40 CFR § 60.5580 that commenced construction after January 8, 2014 and have a base load rating greater than 250 MMBtu/hr of fossil fuel.
40 CFR 60 Subpart TTTTa	Standards of Performance for Greenhouse Gas Emissions for Modified Coal-Fired Steam Electric Generating Units and New Construction and Reconstruction Stationary Combustion Turbine Electric Generating Units	No	N/A	The Artesia Refinery does not own or operate any steam generating unit, IGCC, or stationary combustion turbine as these terms are defined in 40 CFR § 60.5580 that commenced construction after May 23, 2023 and have a base load rating greater than 250 MMBtu/hr of fossil fuel.
40 CFR 60 Subpart UUUUa	Emission Guidelines for Greenhouse Gas Emissions from Existing Electric Utility Generating Units	No	N/A	Rule applies to NMED, not stationary sources.

40 CFR 60 Subparts VWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	The Artesia Refinery is not a municipal solid waste landfill.
40 CFR 61 Subpart A	General Provisions	Yes	Units Subject to 40 CFR 61	Applies if any other Subpart in 40 CFR 61 applies.
40 CFR 61 Subparts J & V	National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene	No	N/A	The Artesia Refinery does not operate any piece of equipment in benzene service (i.e., fluid that is at least 10 percent benzene by weight) as this term is defined in 40 CFR § 61.111.
40 CFR 61 Subpart M	National Emission Standard for Asbestos	Yes	Facility	The Artesia Refinery complies with the requirements of 40 CFR §61.145 as applicable.
40 CFR 61 Subpart FF	National Emission Standard for Benzene Waste Operations	Yes	See Tables 13-9 and 13-12	Tables 13-9 and 13-12, included at the end of this section, summarize 40 CFR Part 61, Subpart FF applicability for the Artesia Refinery storage tanks and wastewater emission sources.
MACT 40 CFR 63.1, Subpart A	General Provisions	Yes	Units Subject to 40 CFR 63	Applies if any other Subpart in 40 CFR 63 applies.
NESHAP 40 CFR 63.400, Subpart Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	No	See Table 13-8	The Artesia Refinery no longer owns or operates any industrial process cooling tower operated with chromium-based water treatment chemicals.
NESHAP 40 CFR 63.640, Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	No	See Table 13-10	Table 13-10, included at the end of this section, summarizes 40 CFR Part 63, Subpart R applicability for potentially affected Artesia Refinery loading rack.
NESHAP 40 CFR 63.640, Subpart CC	National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Yes	See Tables 13-3 to 13-12	Tables 13-3 through 13-12, included at the end of this section, summarize 40 CFR Part 63, Subpart CC applicability for the Artesia Refinery NESHAP affected sources. When miscellaneous process vents are routed to a temporary portable thermal oxidizer under SSM-2 MISC, Navajo will comply with associated under 40 CFR 63.643. Temporary portable thermal oxidizer vendors typically provide the initial performance tests demonstrating compliance with 40 CFR 63.645(a). Temporary portable thermal oxidizer vendors also maintain necessary equipment to demonstrate flow and temperature requirements are met pursuant to 40 CFR 63.644(a)(1)(i).
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	No	N/A	The Artesia Refinery is not an oil and natural gas production facility.
MACT 40 CFR 63.1270 Subpart HHH	National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities	No	N/A	The Artesia Refinery is not a natural gas transmission and storage facility.
MACT 40 CFR	National Emission Standards for	Yes	See Tables 13-4 and	Tables 13-4 and 13-5, included at the end of this section, summarize 40 CFR Part 63, Subpart UUU applicability for the

63.1561 Subpart UUU	Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units		13-5	Artesia Refinery FCC regenerator, Continuous Catalyst Regenerator ("CCR"), and SRUs.
MACT 40 CFR 63.6580 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)	Yes	See Table 13-7	Table 13-7, included at the end of this section, summarizes 40 CFR Part 60, Subpart ZZZZ applicability for the Artesia Refinery stationary reciprocating internal combustion engines ("RICE.")
MACT 40 CFR 63.7485 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	Yes	See Table 13-3	Table 13-3, included at the end of this section, summarizes 40 CFR Part 60, Subpart DDDDD applicability for the Artesia Refinery boilers and process heaters as defined in §63.7575.
40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	The Artesia Refinery does not own or operate a coal-fired electric generating unit ("EGU") or an oil-fired EGU as defined in §63.10042.
40 CFR 63 Subpart BBBBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	No	N/A	The Artesia Refinery is not an area source of HAPs.
40 CFR 63 Subpart CCCCC	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	No	N/A	The Artesia Refinery is not an area source of HAPs.
40 CFR 64	Compliance Assurance Monitoring	No	N/A	The Artesia Refinery FCC Regenerator and SRUs are subject to 40 CFR 63, Subpart UUU emission standards proposed after November 15, 1990, and are therefore exempt from the requirements of 40 CFR Part 64 per §64.2(b)(1)(i). The Artesia Refinery fuels truck loading rack, TL-4, is subject to 40 CFR 63, Subpart CC emission standards proposed after November 15, 1990, and are therefore exempt from the requirements of 40 CFR Part 64 per §64.2(b)(1)(i).
40 CFR 68	Chemical Accident Prevention	Yes	Facility	The Artesia Refinery is a stationary source that processes more than the threshold quantity of a regulated substance, as determined under 40 CFR §68.115.
Title IV –	Acid Rain	No	N/A	The Artesia Refinery does not generate commercial electric

Acid Rain 40 CFR 72.6				power or electric power for sale.
Title IV – Acid Rain 40 CFR 73.2	Sulfur Dioxide Allowance Emissions	No	N/A	The Artesia Refinery does not generate commercial electric power or electric power for sale.
Title IV – Acid Rain 40 CFR 75.2	Continuous Emissions Monitoring	No	N/A	The Artesia Refinery does not generate commercial electric power or electric power for sale.
Title IV – Acid Rain 40 CFR 76.1	Acid Rain Nitrogen Oxides Emission Reduction Program	No	N/A	The Artesia Refinery does not generate commercial electric power or electric power for sale.
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	Yes	N/A	The Artesia Refinery maintains and services building air conditioning units that may contain affected refrigerants. Therefore, the Artesia Refinery is subject to Subpart F to Part 82, which regulates activities to maintaining, servicing, or repairing appliances containing class I, class II or non-exempt substitute refrigerants.

Table 13-3: Boilers and Heaters Summary of Applicable Regulations

Unit ID	Description	NSPS D	NSPS Db	NSPS Dc	NSPS J ^a	NSPS Ja ^b	MACT DDDDD	20.2.33.108 NMAC	20.2.61 NMAC	CAM
B-0007	Boiler 7	NO	YES	NO	YES	NO	YES	YES	YES	NO
B-0008	Boiler 8	NO	YES	NO	YES	NO	YES	YES	YES	NO
B-0009	Boiler 9	NO	YES	NO	NO	YES ^c	YES	YES	YES	NO
H-0009	Unit 13 Naphtha Splitter Reboiler	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0011	Unit 21 Vacuum Unit Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0018	Unit 06 HDS Reboiler	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0019	South Crude Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0020	South Crude Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0028	Unit 21 Heater H-28	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0030	Unit 06 Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0040	Unit 13 Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0303	Unit 05 Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0312	Unit 10 FCC Feed Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0352	Unit 70 CCR Reformer Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0353	Unit 70 CCR Reformer Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0354	Unit 70 CCR Reformer Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0355	Unit 70 Stabilizer Reboiler Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0362	Unit 70 CCR Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0363	Unit 70 CCR Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0364	Unit 70 CCR Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0421	Unit 44 Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0464	SRU Hot Oil Heater	NO	NO	YES	YES	NO	YES	NO	YES	NO
H-0473	SRU2 Tail Gas Incinerator	NO	NO	NO	YES	NO	NO	NO	YES	NO
H-0600	Unit 09 Depropanizer Reboiler Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0601	Unit 33 Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-2421	Unit 45 Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-8801/H-8802	Unit 63 Hydrogen Plant Reformer	NO	NO	NO	YES	NO	YES	YES	YES	NO
H-3402	Unit 34 Hydrocracker Reboiler 1	NO	NO	NO	NO	YES	YES	NO	YES	NO
H-3403	Hydrocracker Reactor Charge Heater	NO	NO	NO	NO	YES	YES	NO	YES	NO
H-5401	Unit 54 HDS Reactor Heater	NO	NO	NO	NO	YES	YES	NO	YES	NO

Unit ID	Description	NSPS D	NSPS Db	NSPS Dc	NSPS J ^a	NSPS Ja ^b	MACT DDDD	20.2.33.108 NMAC	20.2.61 NMAC	CAM
B-0007	Boiler 7	NO	YES	NO	YES	NO	YES	YES	YES	NO
B-0008	Boiler 8	NO	YES	NO	YES	NO	YES	YES	YES	NO
B-0009	Boiler 9	NO	YES	NO	NO	YES ^c	YES	YES	YES	NO
H-0009	Unit 13 Naphtha Splitter Reboiler	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0011	Unit 21 Vacuum Unit Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0018	Unit 06 HDS Reboiler	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0019	South Crude Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0020	South Crude Charge Heater	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-0028	Unit 21 Heater H-28	NO	NO	NO	YES	NO	YES	NO	YES	NO
H-9851	Unit 64 Hydrogen Plant Reformer	NO	NO	NO	NO	YES	YES	YES	YES	NO
H-2501	Unit 25 ROSE® Unit No.2 Hot Oil Heater	NO	YES	NO	NO	YES ^c	YES	YES	YES	NO
H-3101	SRU3 Hot Oil Heater	NO	NO	YES	NO	YES ^d	YES	NO	YES	NO
H-3103	SRU3 Tail Gas Incinerator	NO	NO	NO	NO	YES	NO	NO	YES	NO

a. For all fuel gas combustion devices that are affected facilities under NSPS subpart J, Navajo has elected to comply with the fuel gas H₂S concentration standard under 40 CFR § 60.102a(g)(1)(ii) and associated monitoring, recordkeeping, and reporting requirements in NSPS subpart Ja, as provided by 40 CFR §§ 60.100(e) and 60.100a(b).

b. Except as noted, affected facilities under NSPS subpart Ja are process heaters subject to both the fuel gas H₂S concentration standard under 40 CFR § 60.102a(g)(1)(ii) and, if applicable based on heat input capacity, emission standards for NO_x under § 60.102a(g)(2).

c. Steam generating unit, not subject to NO_x emission standards under NSPS subpart Ja pursuant to 40 CFR § 60.40b(c).

d. Steam generating unit, not subject to NO_x emission standards under NSPS subpart Ja pursuant to 40 CFR § 60.40c(h).

Table 13-4: SRU Summary of Applicable Regulations

Source ID	Emission Point ID	Description	NSPS J	NSPS Ja	MACT UUU	20.2.61 NMAC	20.2.39 NMAC	CAM
SRU2	H-0473	SRU2 Tail Gas Incinerator	NO	YES	YES	YES	NO	YES Satisfied by MACT UUU
SRU3	H-3103	SRU3 Tail Gas Incinerator	NO	YES	YES	YES	NO	YES Satisfied by MACT UUU

Table 13-5: FCCU and CCR Summary of Applicable Regulations

Unit ID	NSPS J	NSPS Ja	MACT UUU	CAM
FCCREGEN	YES	NO	YES	YES Satisfied by MACT UUU
CCR	N/A	N/A	YES	NO

Table 13-6: Flares Summary of Applicable Regulations

Unit ID	Description ^a	NSPS J	NSPS Ja	MACT CC	20.2.61 NMAC
FL-400	North Plant Flare	NO	YES	YES	YES
FL-401	South Plant Flare	NO	YES	YES	YES
FL-402	FCCU Flare	NO	YES	YES	YES
FL-403	Alky Flare	NO	YES	YES	YES
FL-404	GOHT Flare	NO	YES	YES	YES
FL-HEP-PORT	Portable Flare for Holly Energy Partners (HEP) Pipeline Pigging Operations	NO ^b	NO ^b	NO ^c	NO ^d

a. FL-400 through FL-404 flares are steam assisted.

b. Flare is not in a petroleum refinery.

c. Flare is not used as a control device for any emission points listed in 40 CFR § 63.640(c).

d. Flare is portable, not stationary.

Table 13-7: Engines Summary of Applicable Regulations

Source ID	Description	NSPS III	NSPS JJJJ	MACT ZZZZ	20.2.61.109 NMAC	CAM
MG-0001	Portable Air Compressor	YES	NO	YES	YES	NO
MG-0002	Portable Air Compressor	YES	NO	YES	YES	NO
MG-0003	Portable Air Compressor	YES	NO	YES	YES	NO
MG-0004	Portable Fire Water Pump Engine	YES	NO	YES	YES	NO
SG-0100	UPS backup generator	NO	NO	YES	YES	NO
SG-0101	UPS backup generator	NO	NO	YES	YES	NO
SG-0102	Server Backup Generator	YES	NO	YES	YES	NO
FWG-0600	Fire Water Pump Engine	YES	NO	YES	YES	NO
FWG-0601	Fire Water Pump Engine	YES	NO	YES	YES	NO
FWG-0602	Fire Water Pump Engine	YES	NO	YES	YES	NO
FWG-0603	Fire Water Pump Engine	YES	NO	YES	YES	NO

Table 13-8: Cooling Towers Summary of Applicable Regulations

Cooling Tower	Description	MACT Q	MACT CC ^a	CAM
Y-0001a	TCC Cooling Tower Replacement	NO	YES	NO
Y-0002	S. Alky Cooling Tower (Marley Cooling Tower)	NO	YES	NO
Y-0008	North Alky Cooling Tower	NO	YES	NO
Y-0011	FCC & NP Cooling Tower	NO	YES	NO
Y-0012	Hydrogen Plants Cooling Tower	NO	YES	NO
CT TT-0006	Unit 07 Amine W-0745 Cooling Tower	NO	NO	NO

a. For MACT CC, the "heat exchange system" is included in the existing affected source. "YES" indicates the listed cooling tower is part of a heat exchange systems that is part of the affected source.

Table 13-9: Wastewater Units Summary of Applicable Regulations

Equipment ID	Emission Point ID	NESHAP FF	NSPS QQ	MACT CC	CAM
Collector Sump	D-8000/D-8001	YES	YES	YES	NO
T-0845 Weir Box					
T-0844 Stilling Well					
T-0846 Stormwater Lift Station (SWLS)					
T-0830 Stormwater Surge Tank	T-0830	YES	YES	YES	NO
S-1/T-1 Barscreen and Junction Box	D-0829/0830	YES	YES	YES	NO
API-894					
API-895					
Equalization T-801	T-801	YES	NO	YES	NO
Equalization T-836	T-836	YES	NO	YES	NO
Flocculator T-0805	T-805	YES	NO	YES	NO
DAF-896	DAF-896/ 806	YES	NO	YES	NO
DAF-806					
Open Sump T-897	T-0897	YES	NO	YES	NO
Wainut Hull Filters D-810/811 and Mechanical Filter D-808/809	D-810/811 D-808/809	YES	NO	YES	NO
DAF Surge Tank T-809	T-0809	YES	NO	YES	NO

Table 13-10: Truck and Rail Loading Racks Summary of Applicable Regulations

Unit ID	Description	NSPS XX	MACT R	MACT CC	CAM
TLO-1	Asphalt Truck Loading and Off-Loading Rack #1	NO	NO	NO	NO
TL-2	Asphalt Truck Loading Rack #2	NO	NO	NO	NO
TL-4	Fuels Truck Loading Rack	NO*	NO**	YES	NO
TL-7	CBO/LCO Truck Loading Rack	NO	NO	NO	NO
RLO-8	Railcar Loading & Off-Loading	NO	NO	NO	NO
RLO-19	Railcar Loading & Off-Loading	NO	NO	NO	NO
TLO-20	Asphalt/Pitch Truck Loading	NO	NO	NO	NO
TRLO-9	Molten Sulfur Truck/Railcar Loading	NO	NO	NO	NO

*Compliance is not required pursuant to 40 CFR § 63.640(r).

**Compliance is not required pursuant to 40 CFR § 63.420(i).

Table 13-11: Fugitives Summary of Applicable Regulations

Title V Permit Unit ID	Description	MACT CC	NSPS GGGa	NSPS QQQ ^a	NESHAP J ^b	NESHAP V ^c
FUG-02-SP-CRUDE	South Division Crude Unit	NO ^d	YES	YES	NO	NO
FUG-06-NH DU	Naphtha HDS Unit 06	NO ^d	YES	YES	NO	NO
FUG-07-N-AMINE	Amine Unit-Treating/Regen.	NO ^d	YES	YES	NO	NO
FUG-07-SW51	Sour Water Stripper	NO ^d	YES	YES	NO	NO
FUG-08-TRUCK RK	Loading Racks	NO ^d	YES	YES	NO	NO
FUG-09-N-ALKY	North Alkylation Unit (New-Inside battery limits)	NO ^d	YES	YES	NO	NO
FUG-10-FCC	FCC w/ CVS	NO ^d	YES	YES	NO	NO
FUG-13-NH DU	Naphtha HDS Unit 13	NO ^d	YES	YES	NO	NO
FUG-18-LSR MEROX TRT	Mercox/Merichem Treating Units	NO ^d	NO	YES	NO	NO
FUG-19-NAPH	Naphtha Mercox	NO ^d	NO	YES	NO	NO
FUG-20-ISOM	BenFree Unit	NO ^d	YES	YES	NO	NO
FUG-21-SP VACUUM	Flasher/Vacuum Unit	NO ^d	YES	YES	NO	NO
FUG-25-ROSE-2	ROSE Unit	NO ^d	YES	YES	NO	NO
FUG-29-BLENDER/TK FARM	Light Oil Tankage	NO ^d	YES	YES	NO	NO

Title V Permit Unit ID	Description	MACT CC	NSPS GGG	NSPS QQQ ^a	NESHAP I ^b	NESHAP V ^c
FUG-30-SRU2/TGTU	SRU2/SWS w/CVS	NO ^d	YES	YES	NO	NO
FUG-31-SRU3/TGTU3/TGI3	SRU3 Unit	NO ^d	YES	YES	NO	NO
FUG-33-DIST HDU	Relocated Diesel HDS Unit w/CVS	NO ^d	YES	YES	NO	NO
FUG-34-HYDROCRACKER	WX Hydrocracker	NO ^d	YES	YES	NO	NO
FUG-35-SAT GAS	Saturates Gas Plant	NO ^d	YES	YES	NO	NO
FUG-36-RO	Reverse Osmosis	NO	NO	YES	NO	NO
FUG-37-NP-UT	North Plant Utilities	NO	NO	YES	NO	NO
FUG-41-PBC	PBC Unit	NO ^d	YES	YES	NO	NO
FUG-43-S ALKY	South Alky Unit (W-76)	NO ^d	NO	YES	NO	NO
FUG-44-DIST-HDU	Gas Oil Hydrotreater (incl. CVS)	NO ^d	YES	YES	NO	NO
FUG-45-DIST-HDU	Gas Oil Hydrotreater (incl. CVS)	NO ^d	YES	YES	NO	NO
FUG-54-PRIMEG	Prime G Unit	NO ^d	YES	YES	NO	NO
FUG-57-FGRU	Flare Gas Recovery Unit	NO ^d	YES	YES	NO	NO
FUG-63-H2 PLANT-1	Hydrogen Plant	NO	YES	YES	NO	NO
FUG-64-H2 PLANT-2	Hydrogen Plant	NO	YES	YES	NO	NO
FUG-70-CCR	CCR Reformer (w/in battery limits)	NO ^d	YES	YES	NO	NO
FUG-73-SP UTIL	Utilities	NO	NO	YES	NO	NO
FUG-80-WWTP CVS	Oil/Water Separator	NO ^d	YES	YES	NO	NO
FUG-LPG	LPG Storage System	NO ^d	YES	YES	NO	NO

a. All wastewater sources are subject to NSPS QQQ (0195-M17(S)(I), December 15, 2004).

b. No refinery streams contain benzene at concentration of 10% wt or greater.

c. NESHAP V is only applicable if subject to NESHAP I.

d. Exempt from MACT CC pursuant to 40 CFR §63.640(p)(2)

Table 13-12: Storage Tanks Summary of Applicable Regulations

Tank No.	NSPS K	NSPS Ka	NSPS Kb	NSPS Kc	MACT CC Storage	MACT CC Wastewater	NESHAP FF	NSPS QQQ	20.2.38.109 NMAC	20.2.38.110 NMAC	20.2.38.113 NMAC	CAM
T-0001	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO
T-0002	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO
T-0003	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO
T-0004	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO
T-0011	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0012	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0020	NO	NO	YES	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0021	NO	NO	YES	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0022	NO	NO	YES	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0023	NO	NO	YES	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0026	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0028	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0031	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0040	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0041	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0042	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0045	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0046	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0049	NO	NO	NO	NO	YES	N/A	YES	YES	YES	YES	NO	NO
T-0055	NO	YES	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0056	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0059	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0061	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0063	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0064	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0065	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0071	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0072	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0073	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0074	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO

Tank No.	NSPS K	NSPS Ka	NSPS Kb	NSPS Kc	MACT CC Storage	MACT CC Wastewater	NESHAP FF	NSPS QQQ	20.2.38.109 NMAC	20.2.38.110 NMAC	20.2.38.113 NMAC	CAM
T-0075	NO	NO	YES	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0076	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0079	NO	NO	YES	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0081	NO	NO	NO	NO	YES	N/A	N/A	N/A	YES	NO	NO	NO
T-0082	NO	NO	NO	NO	YES	N/A	N/A	N/A	YES	NO	NO	NO
T-0106	NO	NO	NO	NO	YES	N/A	N/A	N/A	YES	YES	NO	NO
T-0107	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0108	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0109	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0110	NO	NO	NO	NO	YES	N/A	N/A	N/A	YES	YES	NO	NO
T-0111	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0112	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0114	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0115	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0116	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0117	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0119	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0124	NO	YES	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0400	NO	YES	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0401	NO	YES	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0402	NO	YES	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0410	NO	NO	NO	NO	YES	N/A	N/A	N/A	YES	YES	NO	NO
T-0411	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0412	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0413	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0415	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0417	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0418	NO	NO	YES	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0419	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0420	NO	NO	NO	NO	YES	N/A	N/A	N/A	YES	YES	NO	NO
T-0422	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO

Tank No.	NSPS K	NSPS Ka	NSPS Kb	NSPS Kc	MACT CC Storage	MACT CC Wastewater	NESHAP FF	NSPS QQQ	20.2.38.109 NMAC	20.2.38.110 NMAC	20.2.38.113 NMAC	CAM
T-0423	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0431	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0432	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0433	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0434	NO	YES	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0435	NO	NO	YES	NO	YES	N/A	N/A	N/A	YES	YES	YES	NO
T-0437	YES	NO	NO	NO	YES	N/A	N/A	N/A	YES	NO	NO	NO
T-0438	NO	YES	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0439	NO	YES	NO	NO	YES	N/A	N/A	N/A	YES	YES	YES	NO
T-0446	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0447	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0448	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0449	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0450	NO	NO	YES	NO	YES	N/A	N/A	N/A	YES	NO	NO	NO
T-0451	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0452	NO	NO	YES	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0453	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0460	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0465	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0466	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0467	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0468	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0600	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0737	NO	NO	YES	NO	YES	N/A	N/A	N/A	YES	YES	YES	NO
T-0802	NO	NO	YES	NO	YES	N/A	N/A	N/A	YES	YES	YES	NO
T-0803	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO
T-0804	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO
T-0807	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0809	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO
T-0814	NO	NO	NO	NO	YES	N/A	N/A	N/A	YES	YES	YES	NO
T-0815	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO

Tank No.	NSPS K	NSPS Ka	NSPS Kb	NSPS Kc	MACT CC Storage	MACT CC Wastewater	NESHAP FF	NSPS QQQ	20.2.38.109 NMAC	20.2.38.110 NMAC	20.2.38.113 NMAC	CAM
T-0816	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0821	NO	NO	YES	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0829	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO
T-0834	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0835	NO	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0838	YES	NO	NO	NO	YES	N/A	N/A	N/A	NO	NO	NO	NO
T-0839	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0840	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0841	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0891	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-0892	NO	NO	NO	NO	NO	N/A	N/A	N/A	NO	NO	NO	NO
T-1224	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
T-1225	NO	NO	YES	NO	YES	N/A	N/A	N/A	YES	NO	NO	NO
T-1227	NO	NO	YES	NO	YES	N/A	N/A	N/A	YES	YES	YES	NO

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

-
- ☐ **Title V Sources** (20.2.70 NMAC): By checking this box and certifying this application the permittee certifies that it has developed an Operational Plan to Mitigate Emissions During Startups, Shutdowns, and Emergencies defining the measures to be taken to mitigate source emissions during startups, shutdowns, and emergencies as required by 20.2.70.300.D.5(f) and (g) NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.
- ☒ **NSR** (20.2.72 NMAC), **PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources**: By checking this box and certifying this application the permittee certifies that it has developed an Operational Plan to Mitigate Source Emissions During Malfunction, Startup, or Shutdown defining the measures to be taken to mitigate source emissions during malfunction, startup, or shutdown as required by 20.2.72.203.A.5 NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.
- ☐ **Title V** (20.2.70 NMAC), **NSR** (20.2.72 NMAC), **PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources**: By checking this box and certifying this application the permittee certifies that it has established and implemented a Plan to Minimize Emissions During Routine or Predictable Startup, Shutdown, and Scheduled Maintenance through work practice standards and good air pollution control practices as required by 20.2.7.14.A and B NMAC. This plan shall be kept on site or at the nearest field office to be made available to the Department upon request. This plan should not be submitted with this application.
-

Artesia Refinery's Standard Operating Procedures describe measures used to mitigate source excess emissions during startup, shutdown, or malfunction. The Artesia Refinery will comply with the startup, shutdown, and malfunction requirements in 40 CFR 63, Subpart CC, and maintain records to demonstrate compliance. When miscellaneous process vents are routed to a temporary portable thermal oxidizer under SSM-2 MISC, Navajo will comply with associated under 40 CFR 63.643. Temporary portable thermal oxidizer vendors typically provide the initial performance tests demonstrating compliance with 40 CFR 63.645(a). Temporary portable thermal oxidizer vendors also maintain necessary equipment to demonstrate flow and temperature requirements are met pursuant to 40 CFR 63.644(a)(1)(i).

Section 15

Alternative Operating Scenarios

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

Alternative Operating Scenarios: Provide all information required by the department to define alternative operating scenarios. This includes process, material and product changes; facility emissions information; air pollution control equipment requirements; any applicable requirements; monitoring, recordkeeping, and reporting requirements; and compliance certification requirements. Please ensure applicable Tables in this application are clearly marked to show alternative operating scenario.

Construction Scenarios: When a permit is modified authorizing new construction to an existing facility, NMED includes a condition to clearly address which permit condition(s) from the previous permit and the new permit govern during the interval between the date of issuance of the modification permit and the completion of construction of the modification(s). There are many possible variables that need to be addressed such as: Is simultaneous operation of the old and new units permitted and, if so for example, for how long and under what restraints? In general, these types of requirements will be addressed in Section A100 of the permit, but additional requirements may be added elsewhere. Look in A100 of our NSR and/or TV permit template for sample language dealing with these requirements. Find these permit templates at: www.env.nm.gov/air-quality/permitting-section-procedures-and-guidance/. Compliance with standards must be maintained during construction, which should not usually be a problem unless simultaneous operation of old and new equipment is requested.

In this section, under the bolded title "Construction Scenarios", specify any information necessary to write these conditions, such as: conservative-realistic estimated time for completion of construction of the various units, whether simultaneous operation of old and new units is being requested (and, if so, modeled), whether the old units will be removed or decommissioned, any PSD ramifications, any temporary limits requested during phased construction, whether any increase in emissions is being requested as SSM emissions or will instead be handled as a separate Construction Scenario (with corresponding emission limits and conditions, etc).

Refer to Section 3 of this application for additional discussion on the operating scenarios.

Section 16

Air Dispersion Modeling

- 1) Minor Source Construction (20.2.72 NMAC) and Prevention of Significant Deterioration (PSD) (20.2.74 NMAC) ambient impact analysis (modeling): Provide an ambient impact analysis as required at 20.2.72.203.A(4) and/or 20.2.74.303 NMAC and as outlined in the Air Quality Bureau's Dispersion Modeling Guidelines found on the Planning Section's modeling website. If air dispersion modeling has been waived for one or more pollutants, attach the AQB Modeling Section modeling waiver approval documentation.
- 2) SSM Modeling: Applicants must conduct dispersion modeling for the total short term emissions during routine or predictable startup, shutdown, or maintenance (SSM) using realistic worst case scenarios following guidance from the Air Quality Bureau's dispersion modeling section. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on SSM emissions modeling requirements.
- 3) Title V (20.2.70 NMAC) ambient impact analysis: Title V applications must specify the construction permit and/or Title V Permit number(s) for which air quality dispersion modeling was last approved. Facilities that have only a Title V permit, such as landfills and air curtain incinerators, are subject to the same modeling required for preconstruction permits required by 20.2.72 and 20.2.74 NMAC.

What is the purpose of this application?	Enter an X for each purpose that applies
New PSD major source or PSD major modification (20.2.74 NMAC). See #1 above.	
New Minor Source or significant permit revision under 20.2.72 NMAC (20.2.72.219.D NMAC). See #1 above. Note: Neither modeling nor a modeling waiver is required for VOC emissions.	X
Reporting existing pollutants that were not previously reported.	
Reporting existing pollutants where the ambient impact is being addressed for the first time.	
Title V application (new, renewal, significant, or minor modification. 20.2.70 NMAC). See #3 above.	
Relocation (20.2.72.202.B.4 or 72.202.D.3.c NMAC)	
Minor Source Technical Permit Revision 20.2.72.219.B.1.d.vi NMAC for like-kind unit replacements.	
Other: i.e. SSM modeling. See #2 above.	
This application does not require modeling since this is a No Permit Required (NPR) application.	
This application does not require modeling since this is a Notice of Intent (NOI) application (20.2.73 NMAC).	
This application does not require modeling according to 20.2.70.7.E(11), 20.2.72.203.A(4), 20.2.74.303, 20.2.79.109.D NMAC and in accordance with the Air Quality Bureau's Modeling Guidelines.	

Check each box that applies:

- ☐ See attached, approved modeling **waiver** for all pollutants from the facility.
- ☒ See attached, approved modeling **waiver** for **some** pollutants from the facility. [Refer to the note below]
- ☐ Attached in Universal Application Form 4 (UA4) is a **modeling report** for **all** pollutants from the facility.
- ☐ Attached in UA4 is a **modeling report** for **some** pollutants from the facility.
- ☐ No modeling is required.

To streamline the permitting process, the application and the modeling waiver are being submitted together. This approach provides NMED with all relevant information in a complete package. Refer to the discussion in the attached modeling waiver and in Section 3.

New Mexico Environment Department
Air Quality Bureau
Modeling Section
525 Camino de Los Marquez - Suite 1
Santa Fe, NM 87505

Phone: (505) 476-4300
Fax: (505) 476-4375
www.env.nm.gov/air-quality/



For Department use only:

Approved by:

Date:

Air Dispersion Modeling Waiver Request Form

This form must be completed and submitted with all air dispersion modeling waiver requests.

If an air permit application requires air dispersion modeling, in some cases the demonstration that ambient air quality standards and Prevention of Significant Deterioration (PSD) increments will not be violated can be satisfied with a discussion of previous modeling. The purpose of this form is to document and streamline requests to certify that previous modeling satisfies all or some of the current modeling requirements. The criteria for requesting and approving modeling waivers are found in the Air Quality Bureau Modeling Guidelines. Typically, only construction permit applications submitted per 20.2.72, 20.2.74, or 20.2.79 NMAC require air dispersion modeling. However, modeling is sometimes also required for a Title V permit application.

A waiver may be requested by e-mailing this completed form in **MS Word** format to the modeling manager, sufi.mustafa@env.nm.gov.

This modeling waiver is not valid if the emission rates in the application are higher than those listed in the approved waiver request.

Section 1 and Table 1: Contact and facility information:

Contact name	Veo Mills
E-mail Address:	Veo.Mills@HFSinclair.com
Phone	575-748-6770
Facility Name	HF Sinclair Navajo Refining LLC - Artesia
Air Quality Permit Number(s)	PSD-195-M43R3 / P051-R3
Agency Interest Number (if known)	198
Latitude and longitude of facility (decimal degrees)	32.842667, -104.390694

General Comments: (Add introductory remarks or comments here, including the purpose of and type of permit application.)

HF Sinclair Navajo Refining LLC ("Navajo") is submitting an application for a Significant Permit Revision of Permit No. PSD-195-M43R3, pursuant to 20.2.72.219.D(1)(a) and 20.2.72.402 NMAC. The existing permit authorizes, under unit ID SSM-2 MISC, the usage of flares to control vapors generated from process units during maintenance activities, such as de-inventorying equipment, clearing piping associated with emission units, and routine maintenance activities such as heat exchanger repair. In this permit action, Navajo proposes to 1) use flares or temporary portable thermal oxidizers as VOC control equipment during these activities and 2) update the PM, PM10, and PM2.5 hourly and annual limits to represent temporary portable thermal oxidizer operation. Navajo does not propose to change the non-PM emission limits for SSM-2 MISC.

This modeling waiver is being submitted to the requested PM, PM10, and PM2.5 hourly and annual emission limit increase for Unit ID SSM-2 MISC because the SSM-2 MISC emissions do not affect the worst-case modeling scenario that was reflected in the most recent facility-wide dispersion modeling analysis (2022, PSD-195-M40 permit). The SSM-2 MISC generally represents emissions from vapors that would have otherwise been routed to the existing refinery flares,

and the associated emissions are only generated during operating scenarios (i.e., shutdown/maintenance) that inherently do not occur at the same time as the worst-case modeling scenario (maximum flare PTE and maximum process-related PTE).

Section 2 – List All Regulated Pollutants from the Entire Facility - Required

In Table 2, below, list all regulated air pollutants emitted from your facility, except for New Mexico Toxic Air Pollutants, which are listed in Table 6 of this form. All pollutants emitted from the facility must be listed whether or not a modeling waiver is requested for that pollutant or if the pollutant emission rate is subject to the proposed permit changes.

Table 2: Air Pollutant summary table (Check all that apply. Include all pollutants emitted by the facility):

Pollutant	Pollutant is not emitted at the facility and modeling or waiver are not required.	Pollutant does not increase in emission rate at any emission unit (based on levels currently in the permit) and stack parameters are unchanged. Modeling or waiver are not required.	Stack parameters or stack location has changed.	Pollutant is new to the permit, but already emitted at the facility.	Pollutant is increased at any emission unit (based on levels currently in the permit).	A modeling waiver is being requested for this pollutant.	Modeling for this pollutant will be included in the permit application.
CO		X					
NO ₂		X					
SO ₂		X					
PM10					X	X	
PM2.5					X	X	
H ₂ S		X					
Reduced S		X					
O ₃ (PSD only)		X					
Pb	X						

Section 3: Pollutants, other than NMTAPs, with very small emission rates

The Air Quality Bureau has performed generic modeling to demonstrate that small sources, as listed in Appendix 2 of this form, do not need computer modeling. This modeling compared emissions from a project (the increase in emissions from the previous permit or total facility emissions for a new facility) with significance levels. After comparing the project's emission rates for various pollutants to Appendix 2, list in Table 3 the pollutants that do not need to be modeled because of very small emission rates.

The facility must be at least 2 km from the nearest Class I area to qualify for a waiver due to very small emission rates. List the nearest Class I area and the distance from the facility in Section 3 comments.

Section 3 Comments. (If you are not requesting a waiver for any pollutants based on their low emission rate, then note that here. You do not need to complete the rest of Section 3 or Table 3.)

Not applicable

Table 3: List of Pollutants with very small emission rates from the project

Pollutant	Requested Allowable Emission Rate for Project (pounds/hour)	Release Type (select "all from stacks >20 m" or "other")	Waiver Threshold (from appendix 2) (lb/hr)

Section 4: Pollutants that have previously been modeled at equal or higher emission rates

List the pollutants and averaging periods in Table 4 for which you are requesting a modeling waiver based on previous modeling for this facility. The previous modeling reports that apply to the pollutant must be submitted with the modeling waiver request. Request previous modeling reports from the Modeling Section of the Air Quality Bureau if you do not have them and believe they exist in the AQB modeling file archive.

Section 4 Comments. (If you are not asking for a waiver based on previously modeled pollutants, note that here. You do not need to complete the rest of section 4 or table 4.)

[Refer to the discussion in Section 1.](#)

Table 4: List of previously modeled pollutants (facility-wide emission rates)

Pollutant	Averaging period	Proposed emission rate (pounds/hour)	Previously modeled emission rate (pounds/hour)	Proposed minus modeled emissions (lb/hr)	Modeled percent of standard or increment	Year modeled

Section 4, Table 5: Questions about previous modeling:

Question	Yes	No
Was AERMOD used to model the facility?		
Did previous modeling predict concentrations less than 95% of each air quality standard and PSD increment?		
Were all averaging periods modeled that apply to the pollutants listed above?		
Were all applicable startup/shutdown/maintenance scenarios modeled?		
Did modeling include all sources within 1000 meters of the facility fence line that now exist?		
Did modeling include background concentrations at least as high as current background concentrations?		
If a source is changing or being replaced, is the following equation true for all pollutants for which the waiver is requested? (Attach calculations if applicable.)		
<u>EXISTING SOURCE</u> $\frac{[(g) \times (h_1)] + [(v_1)^2/2] + [(c) \times (T_1)]}{q_1}$ <u>REPLACEMENT SOURCE</u> $\frac{[(g) \times (h_2)] + [(v_2)^2/2] + [(c) \times (T_2)]}{q_2}$ Where g = gravitational constant = 32.2 ft/sec² h1 = existing stack height, feet v1 = exhaust velocity, existing source, feet per second c = specific heat of exhaust, 0.28 BTU/lb-degree F		

T1 = absolute temperature of exhaust, existing source = degree F + 460 q1 = emission rate, existing source, lbs/hour h2 = replacement stack height, feet v2 = exhaust velocity, replacement source, feet per second T2 = absolute temperature of exhaust, replacement source = degree F + 460 q2 = emission rate, replacement source, lbs/hour		
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If you checked "no" for any of the questions, provide an explanation for why you think the previous modeling may still be used to demonstrate compliance with current ambient air quality standards.

Refer to the discussion in Section 1.

Section 5: Modeling waiver using scaled emission rates and scaled concentrations

At times it may be possible to scale the results of modeling one pollutant and apply that to another pollutant. Increases in emissions of one pollutant might also demonstrate compliance by applying a scaling factor to the modeling results. If the analysis for the waiver gets too complicated, then it becomes a modeling review rather than a modeling waiver, and applicable modeling fees will be charged for the modeling. Plume depletion, ozone chemical reaction modeling, post-processing, and unequal pollutant ratios from different sources are likely to invalidate scaling.

If you are not scaling previous results, note that here. You do not need to complete the rest of section 5. Scaling analyses are not intended to be used for previously modeled pollutants with decreasing emissions, which is already addressed in section 4.

To demonstrate compliance with standards for a pollutant describe scenarios below that you wish the modeling section to consider for scaling results.

Navajo is not scaling previous results.

Section 6: New Mexico Toxic air pollutants – 20.2.72.400 NMAC

Modeling must be provided for any New Mexico Toxic Air Pollutant (NMTAP) with a facility-wide controlled emission rate in excess of the pound per hour emission levels specified in Tables A and B at **20.2.72.502 NMAC - Toxic Air Pollutants and Emissions**. An applicant may use a stack height correction factor based on the release height of the stack for the purpose of determining whether modeling is required. See Table C - **Stack Height Correction Factor** at 20.2.72.502 NMAC. Divide the emission rate for each release point of a NMTAP by the correction factor for that release height and add the total values together to determine the total adjusted pound per hour emission rate for that NMTAP. If the total adjusted pound per hour emission rate is lower than the emission rate screening level found in Tables A and B, then modeling is not required.

In Table 6, below, list the total facility-wide emission rates for each New Mexico Toxic Air Pollutant emitted by the facility. The table is pre-populated with common examples. Extra rows may be added for NMTAPS not listed or for NMTAPS emitted from multiple stack heights. NMTAPS not emitted at the facility may be deleted, left blank, or noted as 0 emission rate. Toxics previously modeled may be addressed in Section 5 of this waiver form. For convenience, we have listed the stack height correction factors in Appendix 1 of this form.

Section 6 Comments. (If you are not requesting a waiver for any NMTAPS then note that here. You do not need to complete the rest of section 6 or Table 6.)

Not Applicable

Table 6: New Mexico Toxic Air Pollutants emitted at the facility

If requesting a waiver for any NMTAP, all NMTAPS from this facility must be listed in Table 3 regardless of if a modeling waiver is requested for that pollutant or if the pollutant emission rate is subject to the proposed permit changes.

Pollutant	Requested Allowable Emission Rate (pounds/hour)	Release Height (Meters)	Correction Factor	Allowable Emission Rate Divided by Correction Factor	Emission Rate Screening Level (pounds/hour)
Ammonia					1.20
Asphalt (petroleum) fumes					0.333
Carbon black					0.233
Chromium metal					0.0333
Glutaraldehyde					0.0467
Nickel Metal					0.0667
Wood dust (certain hard woods as beech & oak)					0.0667
Wood dust (soft wood)					0.333
(add additional toxics if they are present)					

Section 7: Approval or Disapproval of Modeling Waiver

The AQB air dispersion modeler should list each pollutant for which the modeling waiver is approved, the reasons why, and any other relevant information. If not approved, this area may be used to document that decision.

[<Add comments here>](#)

Appendix 1: Stack Height Release Correction Factor (adapted from 20.2.72.502 NMAC)

Release Height in Meters	Correction Factor
0 to 9.9	1
10 to 19.9	5
20 to 29.9	19
30 to 39.9	41
40 to 49.9	71
50 to 59.9	108
60 to 69.9	152
70 to 79.9	202
80 to 89.9	255
90 to 99.9	317
100 to 109.9	378
110 to 119.9	451
120 to 129.9	533
130 to 139.9	617
140 to 149.9	690
150 to 159.9	781
160 to 169.9	837
170 to 179.9	902
180 to 189.9	1002
190 to 199.9	1066
200 or greater	1161

Appendix 2. Very small emission rate modeling waiver requirements (updated 3/4/2024 to correct feet to meters)
Modeling is waived if emissions of a pollutant for the project are below the amount:

Pollutant	If all emissions come from stacks 20 meters or greater in height and there are no horizontal stacks or raincaps (lb/hr)	If not all emissions come from stacks 20 meters or greater in height, or there are horizontal stacks, raincaps, volume, or area sources (lb/hr)
CO	16.037	2.580
H ₂ S (Pecos-Permian Basin)	0.114	0.015
H ₂ S (Not in Pecos-Permian Basin)	0.022	0.003
Lead	0.005	0.001
NO ₂	0.189	0.024
PM _{2.5} – Point Sources	0.056	0.009
PM _{2.5} – Volume Sources		0.003
PM ₁₀ – Point Sources	0.255	0.039
PM ₁₀ – Volume Sources		0.015
SO ₂	0.179	0.023
Reduced sulfur (Pecos-Permian Basin)	0.033	No waiver
Reduced sulfur (Not in Pecos-Permian Basin)	No waiver	No waiver

Section 20

Other Relevant Information

Other relevant information. Use this attachment to clarify any part in the application that you think needs explaining. Reference the section, table, column, and/or field. Include any additional text, tables, calculations or clarifying information.

Additionally, the applicant may propose specific permit language for AQB consideration. In the case of a revision to an existing permit, the applicant should provide the old language and the new language in track changes format to highlight the proposed changes. If proposing language for a new facility or language for a new unit, submit the proposed operating condition(s), along with the associated monitoring, recordkeeping, and reporting conditions. In either case, please limit the proposed language to the affected portion of the permit.

Not applicable.

Section 22: Certification

Company Name: HF Sinclair Corporation

I, Matthew Hall, hereby certify that the information and data submitted in this application are true and as accurate as possible, to the best of my knowledge and professional expertise and experience.

Signed this 23rd day of June, 2026, upon my oath or affirmation, before a notary of the State of New Mexico.

Matthew F. Hall 6-23-2026
*Signature Date

Matthew Hall Production Manager
Printed Name Title

Scribed and sworn before me on this 23 day of June, 2026

I Matthew Hall authorization as a notary of the State of New Mexico expires on the

24 day of February, 2029.
Steffani Lynn Williams 6/23/26
Notary's Signature Date

Steffani Lynn Williams
Notary's Printed Name



State of New Mexico
Notary Public
Steffani Lynn Williams
Commission Number 2005590
Expiration Date 2/28/2029

*For Title V applications, the signature must be of the Responsible Official as defined in 20.2.70.7.AE NMAC.