Mail Application To:		For Department use only:
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		

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.: in the amount of

☒ 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: 20.2.70.300.B.2 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

		AI # if known: 884	Updating Permit/NOI #: P117-R3
1	Facility Name: Western Refining Wingate Facility	Plant primary SIC Code (4 digits): 1321	
		Plant NAIC code (6 digits):	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): #68 El Paso Circle, Gallup, NM 87301		
2	Plant Operator Company Name: Western Refinery Terminals, LLC	Phone/Fax: (505) 722-3833/ (505) 722-0210	
a	Plant Operator Address: 92 Giant Crossing Road, Gallup NM 87301		

b	Plant Operator's New Mexico Corporate ID or Tax ID: NM 01-802059-003	
3	Plant Owner(s) name(s): Western Refinery Terminals, LLC	Phone/Fax: (505) 722-3833/ (505) 722-0210
a	Plant Owner(s) Mailing Address(s): 92 Giant Crossing Road, Gallup NM 87301	
4	Bill To (Company): TBD	Phone/Fax: (505) 722-3833/ (505) 722-0210
a	Mailing Address: 92 Giant Crossing Road, Gallup NM 87301	E-mail: JMoore5@Marathonpetroleum.com
5	☐ Preparer: ☒ Consultant: Trihydro Corporation – Stephen Walls	Phone/Fax: (307) 745-7474
a	Mailing Address: 1252 Commerce Drive, Laramie, WY 82070	E-mail: swalls@trihydro.com
6	Plant Operator Contact: John Moore	Phone/Fax: (505) 879-7643
a	Address: 92 Giant Crossing Road, Gallup NM 87301	E-mail: JMoore5@Marathonpetroleum.com
7	Air Permit Contact: John Moore	Title: Vice President of Western Refinery Terminals, LLC
a	E-mail: JMoore5@Marathonpetroleum.com	Phone/Fax: (505) 879-7643
b	Mailing Address: 212 N. Clark Drive, El Paso, TX 79905	
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): May 2021
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: P117-R3
7	Has this facility been issued a No Permit Required (NPR)? ☐ Yes ☒ No	If yes, the NPR No. is: N/A
8	Has this facility been issued a Notice of Intent (NOI)? ☐ Yes ☒ No	If yes, the NOI No. is: N/A
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? ☒ Yes ☐ No	If yes, the permit No. is: 1313-M6R1/5
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? ☐ Yes ☒ No	If yes, the register No. is: N/A

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: 1,042 bbl	Daily: 25,000 bbl	Annually: 9,125,000 bbl
b	Proposed	Hourly: 1,042 bbl	Daily: 25,000 bbl	Annually: 9,125,000 bbl
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: 1,042 bbl	Daily: 25,000 bbl	Annually: 9,125,000 bbl
b	Proposed	Hourly: 1,042 bbl	Daily: 25,000 bbl	Annually: 9,125,000 bbl

Section 1-D: Facility Location Information

1	Latitude (decimal degrees): 35° 32' 08"	Longitude (decimal degrees): -108° 38' 22.6"	County: McKinley	Elevation (ft): 6,600
2	UTM Zone: ☒ 12 or ☐ 13	Datum: ☐ NAD 83 ☒ WGS 84		
a	UTM E (in meters, to nearest 10 meters): 714,000 m E	UTM N (in meters, to nearest 10 meters): 3,935,000 m N		
3	Name and zip code of nearest New Mexico town: Gallup, NM 87301			
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): From I-40, take exit 26. Turn right onto Hwy 118 (historic route 66). Continue east approximately 1.5 miles. Turn left toward El Paso Circle for 0.4 mile. Continue to the end of the paved road.			
5	The facility is 6 miles East of Gallup, NM.			
6	Land Status of facility (check one): ☒ Private ☐ Indian/Pueblo ☐ Government ☐ BLM ☐ Forest Service ☐ Military The flare for the facility is located on the Navajo Reservation and is not under the NMED jurisdiction.			
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: Municipalities – Gallup, NM, Rehoboth, NM, Ft Wingate, NM, Church Rock, NM; Indian Tribes – Navajo Indian Reservation; Counties - McKinley			
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: Arizona ~ 36.9 Km			
9	Name nearest Class I area: Petrified Forest National Park			
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): ~103.9 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: ~ 425 m			
12	Method(s) used to delineate the Restricted Area: Continuous fencing around property perimeter. "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? The Flare for the facility is regulated by the NNEPA since it is located on the Navajo Nation Reservation. The Title V number is NN OP 18-011			

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	($\frac{\text{hours}}{\text{year}}$): 8,760		
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					
4	Month and year of anticipated construction completion: N/A					
5	Month and year of anticipated startup of new or modified facility: N/A					
6	Will this facility operate at this site for more than one year? ☒ Yes ☐ No					

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: N/A		
a	If yes, NOV date or description of issue: N/A		NOV Tracking No: N/A
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: N/A	Date: N/A	Requirement # (or page # and paragraph #): N/A
d	Provide the required text to be inserted in this permit: N/A		
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: City of Gallup 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.)

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 D. Beltz	Phone: (915) 775-3454
a	R.O. Title: Vice President of Western Refining Terminals, LLC	R.O. e-mail: tdbeltz@marathonpetroleum.com
b	R. O. Address: 212 N. Clark Dr., El Paso, TX, 79905	
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): John Moore	Phone: (505) 879-7643
a	A. R.O. Title: Vice President of Western Refining Terminals, LLC	A. R.O. e-mail: JMoore5@Marathonpetroleum.com
b	A. R. O. Address: 212 N. Clark Dr., El Paso, TX, 79905	
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): N/A	
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.): Marathon Petroleum Corporation	
a	Address of Parent Company: 200 East Hardin St., Findlay, OH 45840	
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: John Moore (505) 879-7643; Brian Valenzuela (505) 870-5793	

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: States – Arizona, 23 miles. Indian Reservations – Navajo Indian Reservation, 8 miles; Zuni Indian Reservation, 15 miles; Ramah Navajo Indian Reservation, 30 miles. Local pollution control programs – Navajo Indian Reservation, 8 miles.

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: John Moore, Email: JMoore5@Marathonpetroleum.com Phone number: (505) 879-7643.

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.

Table of Contents

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[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
16	Fugitive emissions from Truck Rack System	N/A	N/A	N/A	N/A	N/A	< 1997 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
18	Butamer Unit	N/A	N/A	N/A	N/A	N/A	1998 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
20	Fugitive emission from Propane Storage and Rail	N/A	N/A	N/A	N/A	N/A	< 1984 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
21	Fugitive emission from Isobutane Storage and Rail	N/A	N/A	N/A	N/A	N/A	< 1984 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
22	Fugitive emission from N-butane Storage and Rail	N/A	N/A	N/A	N/A	N/A	< 1984 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
23	Fugitive emission from Pentanes (natural gasoline)	N/A	N/A	N/A	N/A	N/A	< 1984 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
24	Fugitive emission from Ethyl Mercaptan	N/A	N/A	N/A	N/A	N/A	< 1984 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
25	Fugitive emissions from Product Pumping System	N/A	N/A	N/A	N/A	N/A	< 1984 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
26	Blowdown from Loading/Off-Loading Hoses at	N/A	N/A	N/A	N/A	N/A	< 2004 N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SSM/M	Startup, Shutdown, Routine	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	31088811	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
ENG-1	Nonroad Tier 3	Various	Various	-----	120 hp (Max.)	120 hp (Max.)	2007 and after N/A	N/A Nonroad Eng	20200102	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	CI	N/A
Non-Fugitive LPG	LPG Loading Operations, LPG system pressure	N/A	N/A	N/A	N/A	N/A	< 1984 N/A	N/A N/A		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufact-urer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] Date of Construction/ Reconstruction[2]	Controlled by Unit # Emissions vented to Stack #	Source Classi-fication Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		

[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, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition
[5] Non-fugitive LPG Activities are controlled by a vapor capture system and routed to Flare Unit 17 permitted under Title V permit NN OP 05-011, issued by the Navajo Nation EPA.

Table 2-B: Insignificant Activities[1] (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 202.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.env.nm.gov/aqb/permit/aqb_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 https://www.env.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. / Serial No.	Max Capacity / Capacity Units	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5) / Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Manufacture /Reconstruction[2] / Date of Installation /Construction[2]	For Each Piece of Equipment, Check Onc
Varies	Pressure Tanks	Unknown	N/A	Varies	20.2.72.202.B.5	Varies	☑ Existing (unchanged) ☐ To Be Removed
			N/A	gallons	Trivial	Varies	☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
EG-1	Emergeny Diesel RICE Generator	Caterpillar	XQ400	563	20.2.72.202.B.3	39128	☑ Existing (unchanged) ☐ To Be Removed
			FSE00801	hp	#7	> 2/15/07	☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
FP-1	South Fire Pump Engine	Unknown	NT-855-F4	320	20.2.72.202.B.3	30164	☑ Existing (unchanged) ☐ To Be Removed
			18103844	hp	Trivial	> Aug-82	☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
FP-2	North Fire Pump Engine	Unknown	NT270CBC1	320	20.2.72.202.B.3	Manufactured 1980/ Reconstructed 4/17/2007	☑ Existing (unchanged) ☐ To Be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
			60528317	hp	Trivial	>1980	
LeRoi	Portable Air Compressor	LeRoi	Q185DJE	185 / 80	20.2.72.202.D	Oct. 1996	☐ Existing (unchanged) ☐ To Be Removed
			unknown	cfm / hp	#6 portable diesel engine less than 200 hp	unknown	☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
							☐ Existing (unchanged) ☐ To Be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
							☐ Existing (unchanged) ☐ To Be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
							☐ Existing (unchanged) ☐ To Be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
							☐ Existing (unchanged) ☐ To Be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
							☐ Existing (unchanged) ☐ To Be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
							☐ Existing (unchanged) ☐ To Be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
							☐ Existing (unchanged) ☐ To Be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced
							☐ 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 20.2.70.300.D.6, 20.2.70.7.Q NMAC, and the NMED/AQB List of Insignificant Activities, dated September 15, 2008. Emissions 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(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.

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
Flare Unit 17 permitted under Title V NN OP 18-011 issued by the Navajo Nation EPA						

[1] List each control device on a separate line. For each control device, list all emission units controlled by the control device.

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

☐ 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 reduction. 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 (HAP) & Toxic Air Pollutants (TAPs) in Table 2-I. 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.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		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
16	-	-	-	-	3.30	14.50	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	6.40	27.80	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	5.40	23.60	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	4.40	19.30	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	2.90	12.80	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	3.70	16.30	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	1.30	5.80	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	4.60	20.40	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	0.26	1.10	-	-	-	-	-	-	-	-	-	-	-	-
ENG-1	0.79	3.46	0.99	4.32	0.79	3.46	1.46E-03	1.00E-02	6.00E-02	2.60E-01	6.00E-02	2.60E-01	6.00E-02	2.60E-01	-	-	-	-
Totals[2]	0.79	3.46	0.99	4.32	33.05	145.06	1.46E-03	1.00E-02	6.00E-02	2.60E-01	6.00E-02	2.60E-01	6.00E-02	2.60E-01	-	-	-	-

[1]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 unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but PM is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

[2] Totals calculated using either units 27 and 28 or unit 29, whichever is greater.

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.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		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
16	-	-	-	-	3.30	14.50	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	6.40	27.80	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	5.40	23.60	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	4.40	19.30	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	2.90	12.80	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	3.70	16.30	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	1.30	5.80	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	4.60	20.40	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	0.26	1.10	-	-	-	-	-	-	-	-	-	-	-	-
ENG-1	0.79	3.46	0.99	4.32	0.79	3.46	1.46E-03	1.00E-02	6.00E-02	2.60E-01	6.00E-02	2.60E-01	6.00E-02	2.60E-01	-	-	-	-
Totals[2]	0.79	3.46	0.99	4.32	33.05	145.06	1.46E-03	1.00E-02	6.00E-02	2.60E-01	6.00E-02	2.60E-01	6.00E-02	2.60E-01	-	-	-	-

[1] 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 unless 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 (20.2.74 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 scehduled 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-P. Provide an explanations of SSM emissions in Section 6 and 6a.

All applications for facilities that have emissions during routine our 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.env.nm.gov/aqb/permit/aqb_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^2		$PM10^2$		$PM2.5^2$		H_2S		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/M	-	-	-	-	*	10.00	-	-	-	-	-	-	-	-	-	-	-	-
Per "IMPLEMENTATION GUIDANCE FOR PERMITTING SSM EMISSIONS AND EXCESS EMISSIONS" document issued 10 January 2011, "Instead of permitting SSM and upset/malfunction emissions separately, the applicant may request that emissions from both SSM and upset/malfunction be consolidated in the permit with a total limit of 10 tons per year per pollutant per facility for the combined category to reduce concerns about the appropriateness of activities listed as SSM."																		
Totals	-	-	-	-	*	10.00	-	-	-	-	-	-	-	-	-	-	-	-

[1] For instance, if the short term steady-state Table 2-E emissions are 5 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 unless 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 (20.2.74 NMAC) and Title V (20.2.70 NMAC).

"*" Denotes that an hourly emission limit is not requested

Table 2-G: Stack Exit and Fugitive Emission Rates for Special Stacks

☑ I have elected to leave this table blank because this facility does not have any stacks/vents that split emissions from a single source or combine emissions from more than one source listed in table 2-A. Additionally, the emission rates of all stacks match the Requested allowable emission rates stated in Table 2-E.

Use this table to list stack emissions (requested allowable) from split and combined stacks. List Toxic Air Pollutants (TAPs) and Hazardous Air Pollutants (HAPs) in Table 2-I. List all fugitives that are associated with the normal, routine, and non-emergency operation of the facility. Unit and stack numbering must correspond throughout the application package. Refer to Table 2-E for instructions on use of the "-" symbol and on significant figures.

Stack No.	Serving Unit Number(s) from Table 2-A	NOx		CO		VOC		SOx		PM		PM10		PM2.5		☐ H_2S or ☐ 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
Totals:																	

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 (Yes or No)	Height Above Ground (ft)	Temp. (F)	Flow Rate		Moisture by Volume (%)	Velocity (ft/sec)	Inside Diameter (ft)
						(acfs)	(dscfs)			

Table 2-I: Stack Exit and Fugitive Emission Rates for HAPs and TAPs

In the table below, report the Potential to Emit for each HAP from each regulated emission unit listed in Table 2-A, only if the entire facility emits the HAP at a rate greater than or equal to one (1) ton per year For each such emission unit, HAPs shall be reported to the nearest 0.1 tpy. Each facility-wide Individual HAP total and the facility-wide Total HAPs shall be the sum of all HAP sources calculated to the nearest 0.1 ton per year. Per 20.2.72.403.A.1 NMAC, facilities not exempt [see 20.2.72.402.C NMAC] from TAP permitting shall report each TAP that has an uncontrolled emission rate in excess of its pounds per hour screening level specified in 20.2.72.502 NMAC. TAPs shall be reported using one more significant figure than the number of significant figures shown in the pound per hour threshold corresponding to the substance. Use the HAP nomenclature as it appears in Section 112 (b) of the 1990 CAAA and the TAP nomenclature as it listed in 20.2.72.502 NMAC. Include tank-flashing emissions estimates of HAPs in this table. For each HAP or TAP listed, fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected or the pollutant is emitted in a quantity less than the threshold amounts described above.

Stack No.	Unit No.(s)	Total HAPs		n-Hexane ☑ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP	
		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
N/A	16	0.14	0.60	0.10	0.45														
N/A	18	0.26	1.15	0.20	0.86														
N/A	20	0.22	0.98	0.17	0.73														
N/A	21	0.18	0.8	0.14	0.6														
N/A	22	0.12	0.53	0.09	0.4														
N/A	23	0.15	0.67	0.12	0.51														
N/A	24	0.06	0.24	0.04	0.18														
N/A	25	0.19	0.84	0.14	0.63														
N/A	26	-	-	-	-														
N/A	ENG-1	3.74E-03	2.00E-02																
Totals**:		1.32	5.83	1.00	4.36														

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
ENG-1	ultra low sulfur diesel	Purchased Commercial	0.138 MMBtu/gal	7.0 gal/hr	61,320 gal/yr	0.0015	N/A
FP-1	ultra low sulfur diesel	Purchased Commercial	0.138 MMBtu/gal	unknown	< 100 hr/yr	0.0015	N/A
FP-2	ultra low sulfur diesel	Purchased Commercial	0.138 MMBtu/gal	unknown	< 100 hr/yr	0.0015	N/A
LeRoi	ultra low sulfur diesel	Purchased Commercial	0.138 MMBtu/gal	unknown	<100 hr/yr	0.0015	N/A

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 stack 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)
N/A - Product tanks at Wingate Facility are pressurized and are considered insignificant activities									

Table 2-L: Tank Data

Include appropriate tank-flashing modeling input data. Use an addendum to this table for unlisted data categories. Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary. See reference Table 2-L2. Note: 1.00 bbl = 10.159 M3 = 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		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			
N/A - Product tanks at Wingate Facility are pressurized and are considered insignificant activities													

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

Roof Type	Seal Type, Welded Tank Seal Type		Seal Type, Riveted Tank Seal Type		Roof, Shell Color	Paint Condition
FX: Fixed Roof	Mechanical Shoe Seal	Liquid-mounted resilient seal	Vapor-mounted resilient seal	Seal Type	WH: White	Good
IF: Internal Floating Roof	A: Primary only	A: Primary only	A: Primary only	A: Mechanical shoe, primary only	AS: Aluminum (specular)	Poor
EF: External Floating Roof	B: Shoe-mounted secondary	B: Weather shield	B: Weather shield	B: Shoe-mounted secondary	AD: Aluminum (diffuse)	
P: Pressure	C: Rim-mounted secondary	C: Rim-mounted secondary	C: Rim-mounted secondary	C: Rim-mounted secondary	LG: Light Gray	
					MG: Medium Gray	
					BL: Black	
					OT: Other (specify)	

Note: 1.00 bbl = 0.159 M^3 = 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)
Natural Gas Liquids	Primarily C3+ (Propanes+)	Gas/Liquid	9,125,000 bpy	Natural Gas Liquids (propanes, butanes, natural gasoline)	C3H8, C4H10, C5+ (Pentanes+)	Liquid	25,000 bpd

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
N/A									

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
N/A								

Table 2-P: Greenhouse Gas Emissions

Applications submitted under 20.2.70, 20.2.72, & 20.2.74 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 6.a 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.

		CO_2 ton/yr	N_2O ton/yr	CH_4 ton/yr	SF_6 ton/yr	PFC/HFC ton/yr[2]									Total GHG Mass Basis ton/yr[4]	Total CO_2e ton/yr[5]
Unit No.	GWPs [1]	1	298	25	22,800	footnote 3										
ENG-1	mass GHG	689.890	6.00E-03	0.030											689.926	
	CO2e	689.890	1.788	0.750												692.428
	mass GHG															
	CO2e															
	mass GHG															
	CO2e															
	mass GHG															
	CO2e															
	mass GHG															
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	mass GHG															
	CO2e															
	mass GHG															
	CO2e															
	mass GHG															
	CO2e															
Total	mass GHG	689.890	6.00E-03	0.030											689.926	
	CO2e	689.890	1.788	0.750												692.428

[1] GWP (Global Warming Potential): Applicants must use the most current GWPs codified 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] CO_2e means Carbon Dioxide Equivalent and is calculated by multiplying the TPY mass emissions of the green house 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.

The Western Refining Wingate Facility is owned and operated by Western Refining Terminals, LLC. (Western). Western is submitting this application pursuant to 20.2.70.300.B.2 NMAC for a renewal to Title V permit P117-R3. On October 9, 2015, NSR permit 1313-M6 was issued to change the primary function of the facility from a natural gas processing plant to a crude oil trans-loading facility. With that permit revision, equipment and emissions associated with the new operation were added to Wingate's NSR permit. None of the new equipment were installed nor operated at the facility. The NMED has agreed that this Title V renewal application should reflect the units currently located at the facility and current operations.

Currently, the Wingate facility receives isobutane/normal butane/mixed butane in railcars. The railcars are pressurized using purchased natural gas. Isobutane/normal butane/mixed butane is unloaded from railcar to storage tanks. During offloading, the storage tanks are vented to the flare. Isobutane/normal butane/mixed butane storage is sent via pipeline to the Gallup refinery.

The table below shows the units which were permitted in Title V Permit P117-R3, NSR Permit 1313-M6R1/5, and the units which are included in this application.

Unit ID	Description	Included in TV Permit P117-R3	Included in NSR Permit 1313-M6R1	Included with this Application
16	Fugitive emissions from Truck Rack System	Yes	Yes	Yes
18	Butamer Unit	Yes	Yes	Yes
20	Fugitive emission from Propane Storage and Rail Loading	Yes	Yes	Yes
21	Fugitive emission from Isobutane Storage and Rail Loading	Yes	Yes	Yes
22	Fugitive emission from N-butane Storage and Rail Loading	Yes	Yes	Yes
23	Fugitive emission from Pentanes (natural gasoline) Storage and Rail Loading	Yes	Yes	Yes
24	Fugitive emission from Ethyl Mercaptan Storage and Rail Loading	Yes	Yes	Yes

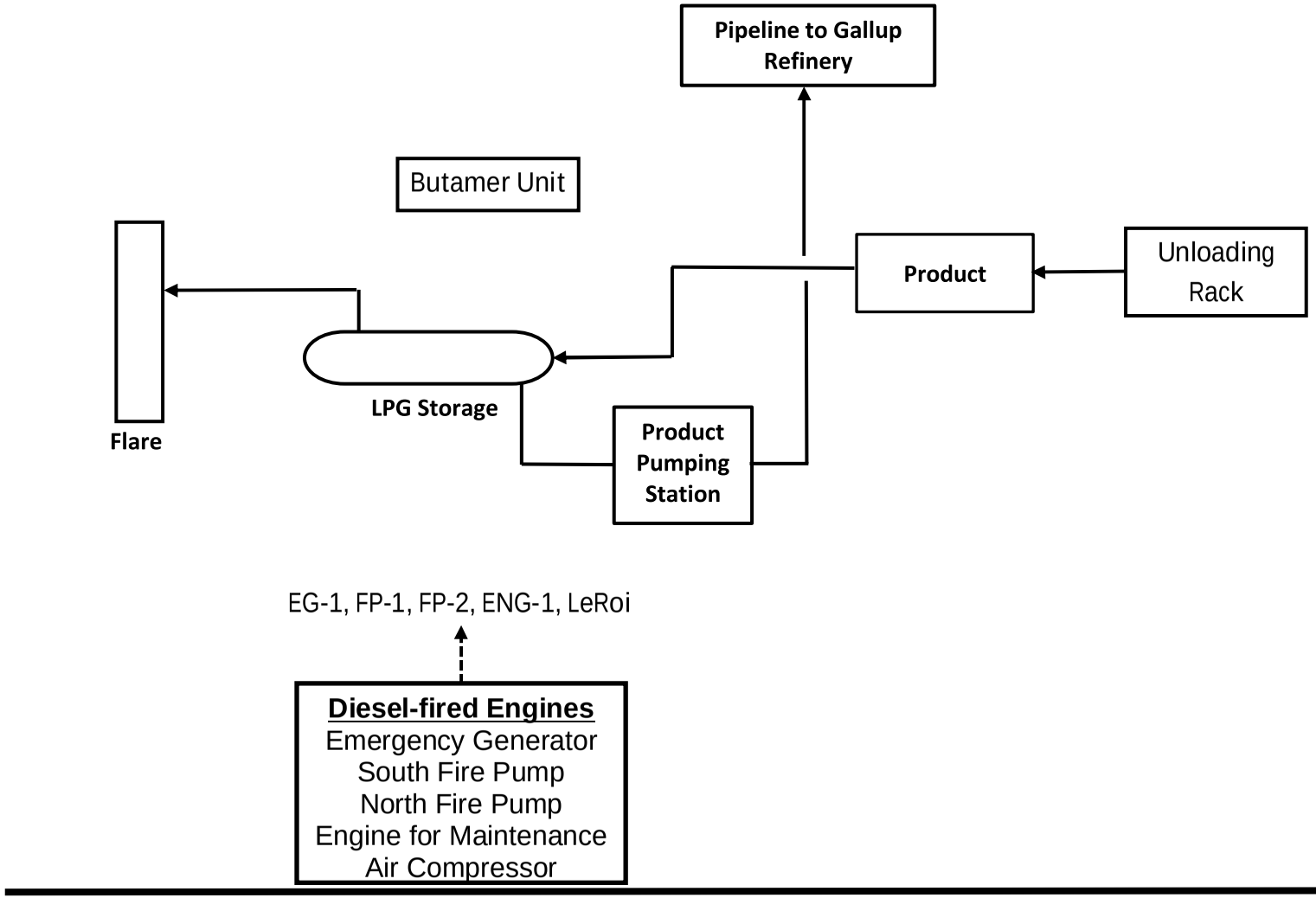
Unit ID	Description	Included in TV Permit P117-R3	Included in NSR Permit 1313-M6R1	Included with this Application
25	Fugitive emissions from Product Pumping System	Yes	Yes	Yes
26	Blowdown from Loading/Off-Loading Hoses at LPG Truck and Rail Racks	Yes	Yes	Yes
SSM/M	Startup, Shutdown, Routine Maintenance and Malfunction	Yes	Yes	Yes
Non-Fugitive LPG Activities	LPG Loading Operations, LPG system pressure reliefs and maintenance activities	Yes	Yes	No Controlled by Flare Unit 17. See Title V permit NN OP05-011 issued by the Navajo Nation EPA
EG-1	Emergency Diesel RICE Generator	Yes	Yes	Yes
FP-1	South Fire Pump Engine	Yes	Yes	Yes
FP-2	North Fire Pump Engine	Yes	Yes	Yes
ENG-1	Nonroad Engine	No	1313-M6R5	Yes
LeRoi	Portable Air Compressor	No	No	Yes

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.

A process flow sheet is attached.



Process Flow Diagram

Western Refining Wingate Facility

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.

A plot plan is attached.

Western Refining Wingate Facility

Plot Plan UTM: 714000 m E, 3935000 m N

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 rational 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.

Previously approved emissions calculations for all units are presented here.

Emission Unit	Description	NO_X		CO		VOC		SO_2		TSP		PM_{10}		$PM_{2.5}$		HAPs
		lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	tpy
16	Truck Rack System (fugitive)	-----	-----	-----	-----	3.3	14.5	-----	-----	-----	-----	-----	-----	-----	-----	0.60
18	Butamer Unit	-----	-----	-----	-----	2.9	12.5	-----	-----	-----	-----	-----	-----	-----	-----	0.52
20	Propane Storage and Rail Loading (fugitive)	-----	-----	-----	-----	5.4	23.6	-----	-----	-----	-----	-----	-----	-----	-----	0.98
21	Isobutane Storage and Rail Loading (fugitive)	-----	-----	-----	-----	4.4	19.3	-----	-----	-----	-----	-----	-----	-----	-----	0.8
22	n-Butane Storage and Rail Loading (fugitive)	-----	-----	-----	-----	2.9	12.8	-----	-----	-----	-----	-----	-----	-----	-----	0.53
23	Pentanes Storage and Rail Loading (fugitive)	-----	-----	-----	-----	3.7	16.3	-----	-----	-----	-----	-----	-----	-----	-----	0.67
24	Ehtyl Mercaptan Storage and Rail Loading (fugitive)	-----	-----	-----	-----	1.3	5.8	-----	-----	-----	-----	-----	-----	-----	-----	0.24
25	Product Pumping System (fugitive)	-----	-----	-----	-----	4.6	20.4	-----	-----	-----	-----	-----	-----	-----	-----	0.84
26	Blowdown from Loading Hoses	-----	-----	-----	-----	0.26	1.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
SSM/M	Startup, Shutdown, Maintenance, and Malfunction	-----	-----	-----	-----	-----	10.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
ENG-1	Nonroad Engine	0.79	3.46	0.99	4.32	0.79	3.5	1.46E-03	0.01	0.06	0.26	0.06	0.26	0.06	0.26	0.02
	Total	**0.79**	**3.46**	**0.99**	**4.32**	**29.55**	**139.8**	**1.46E-03**	**0.01**	**0.06**	**0.26**	**0.06**	**0.26**	**0.06**	**0.26**	**5.18**

Western Refining Wingate Facility

Truck Bays Fugitives

Emission unit: 16

	Components Count						
Stream	Sample Connections	Threaded Connections	Open Ended Lines	Pump Seals	Relief Valves	Valves	Flanges
R							
Mix C3/C4							
Mix C4/Gasoline							
C3							
Mix C4							
i-C4							
n-C4							
Natural Gasoline							
Methyl Mercaptan							
All (Vents & Headers)							
TOTAL	6	2164	0	0	10	385	192

Components in Light Liquids Service	**Emissions**								
TOC Factors (kg/component-hr)[1]	2.1E-04	2.1E-04	1.4E-03	1.3E-02	7.5E-03	2.5E-03	1.1E-04		
TOC Factors (lb/component-hr)	0.00046	0.00046	0.0031	0.0286	0.017	0.0055	0.00024	**TOC Total**	**VOC Total (excludes C1,C2)**
lb/hr	0.0028	1.0010	0	0	0.1652	2.1200	0.0465	3.34	**3.30**
tpy	0.0122	4.3842	0	0	0.7236	9.2858	0.2038	14.61	**14.47**

VOC WEIGHT FRACTION = 0.9902

[1]EPA Protocol for Emission Leak Estimates 453/R-95-017 November 1995

(These are the factors used in GRI HAPCalc Version 3.0)

		Emission Rates	
HAP	**Weight %**	**lb/hr**	**tpy**
Benzene	0.4440	0.0147	0.0642
Toluene	0.4700	0.0155	0.0680
Ethylbenzene	0.0950	0.0031	0.0137
m-xylene	0.0120	0.0004	0.0017
p-xylene	0.0000	0.0000	0.0000
o-xylene	0.0150	0.0005	0.0022
n Hexane	3.1070	0.1026	0.4495
Total HAPs	4.1430	**0.1368**	**0.5993**

Western Refining Wingate Facility

Butamer Unit Fugitives

Emission unit: 18

Component Count	light liquid	gas	total
valves	697	174	871
pumps	0	0	0
pressure relief, etc	0	0	0
connectors	0	0	0
flanges	1742	436	2178
open ended lines	0	0	0
total	2439	610	3049

Emissions				Uncontrolled		Control*	Controlled	
Light Liquid	count	kg/hr/source	kg/hr	lb/hr	tpy		lb/hr	tpy
valves	697	2.50E-03	1.74	3.83	16.79	61%	1.49	6.55
pumps		1.30E-02	0.00	0.00	0.00			
pressure relief, etc		7.50E-03	0.00	0.00	0.00			
connectors		2.10E-04	0.00	0.00	0.00			
flanges	1742	1.10E-04	0.19	0.42	1.85	0%	0.42	1.85
open ended lines		1.40E-03	0.00	0.00	0.00			
total	2439		1.93	4.25	18.63		1.92	8.39
Gas	count	kg/hr/source	kg/hr	lb/hr	tpy			
valves	174	4.50E-03	0.78	1.72	7.55	67%	0.57	2.49
pumps		2.40E-03	0.00	0.00	0.00			
pressure relief, etc		8.80E-03	0.00	0.00	0.00			
connectors		2.00E-04	0.00	0.00	0.00			
flanges	436	3.90E-04	0.17	0.37	1.64	0%	0.37	1.64
open ended lines		2.00E-03	0.00	0.00	0.00			
total	610		0.95	2.10	9.19		0.94	4.13
				lb/hr	tpy		lb/hr	tpy
Total VOC fugitive emissions				6.35	27.82		**2.86**	**12.52**

* EPA 453/R-95-017, tables 5-2 & 5-3
Control factor applied for LDAR program.

		Emission Rates	
HAP	**Weight %**	**lb/hr**	**tpy**
Benzene	0.4440	0.0127	0.0556
Toluene	0.4700	0.0134	0.0589
Ethylbenzene	0.0950	0.0027	0.0119
m-xylene	0.0120	0.0003	0.0015
p-xylene	0.0000	0.0000	0.0000
o-xylene	0.0150	0.0004	0.0019
n Hexane	3.1070	0.0888	0.3891
Total HAPs	4.1430	**0.1185**	**0.5188**

Western Refining Wingate Facility

Propane Storage & Rail Loading Fugitives

Emission unit: 20

	Components Count						
Stream	Sample Connections	Threaded Connections	Open Ended Lines	Pump Seals	Relief Valves	Valves	Flanges
R							
Mix C3/C4							
Mix C4/Gasoline							
C3							
Mix C4							
i-C4							
n-C4							
Natural Gasoline							
Methyl Mercaptan							
All (Vents & Headers)							
TOTAL	0	2220	0	0	19	705	873

Components in Light Liquids Service	**Emissions**								
TOC Factors (kg/component-hr)[1]	2.1E-04	2.1E-04	1.4E-03	1.3E-02	7.5E-03	2.5E-03	1.1E-04		
TOC Factors (lb/component-hr)	0.00046	0.00046	0.0031	0.029	0.017	0.0055	0.00024	**TOC Total**	**VOC Total (excludes C1,C2)**
lb/hr	0	1.0269	0	0	0.3139	3.8822	0.2115	5.43	**5.38**
tpy	0	4.4977	0	0	1.3748	17.0039	0.9265	23.80	**23.57**

VOC WEIGHT FRACTION =	0.9902

[1]EPA Protocol for Emission Leak Estimates 453/R-95-017 November 1995

(These are the factors used in GRI HAPCalc Version 3.0)

		Emission Rates	
HAP	**Weight %**	**lb/hr**	**tpy**
Benzene	0.4440	0.0239	0.1046
Toluene	0.4700	0.0253	0.1108
Ethylbenzene	0.0950	0.0051	0.0224
m-xylene	0.0120	0.0006	0.0028
p-xylene	0.0000	0.0000	0.0000
o-xylene	0.0150	0.0008	0.0035
n Hexane	3.1070	0.1672	0.7323
Total HAPs	4.1430	**0.2229**	**0.9765**

Western Refining Wingate Facility

Isobutane Storage & Rail Loading Fugitives

Emission unit: 21

	Components Count						
Stream	Sample Connections	Threaded Connections	Open Ended Lines	Pump Seals	Relief Valves	Valves	Flanges
R							
Mix C3/C4							
Mix C4/Gasoline							
C3							
Mix C4							
i-C4							
n-C4							
Natural Gasoline							
Methyl Mercaptan							
All (Vents & Headers)							
TOTAL	0	1509	0	0	17	602	680

Components in Light Liquids Service	**Emissions**								
TOC Factors (kg/component-hr)[1]	2.1E-04	2.1E-04	1.4E-03	1.3E-02	7.5E-03	2.5E-03	1.1E-04		
TOC Factors (lb/component-hr)	0.00046	0.00046	0.0031	0.029	0.017	0.0055	0.00024	**TOC Total**	**VOC Total (excludes C1,C2)**
lb/hr	0	0.6980	0	0	0.2808	3.3150	0.1648	4.46	**4.41**
tpy	0	3.0572	0	0	1.2301	14.5196	0.7216	19.53	**19.34**

VOC WEIGHT FRACTION =	0.9902

[1]EPA Protocol for Emission Leak Estimates 453/R-95-017 November 1995

(These are the factors used in GRI HAPCalc Version 3.0)

		Emission Rates	
HAP	**Weight %**	**lb/hr**	**tpy**
Benzene	0.4440	0.0196	0.0859
Toluene	0.4700	0.0207	0.0909
Ethylbenzene	0.0950	0.0042	0.0184
m-xylene	0.0120	0.0005	0.0023
p-xylene	0.0000	0.0000	0.0000
o-xylene	0.0150	0.0007	0.0029
n Hexane	3.1070	0.1372	0.6008
Total HAPs	4.1430	**0.1829**	**0.8011**

Western Refining Wingate Facility

Normal Butane Storage & Rail Loading Fugitives

Emission unit: 22

	Components Count						
Stream	Sample Connections	Threaded Connections	Open Ended Lines	Pump Seals	Relief Valves	Valves	Flanges
R							
Mix C3/C4							
Mix C4/Gasoline							
C3							
Mix C4							
i-C4							
n-C4							
Natural Gasoline							
Methyl Mercaptan							
All (Vents & Headers)							
TOTAL	1	1219	0	0	11	382	467

Components in Light Liquids Service	**Emissions**								
TOC Factors (kg/component-hr)[1]	2.1E-04	2.1E-04	1.4E-03	1.3E-02	7.5E-03	2.5E-03	1.1E-04		
TOC Factors (lb/component-hr)	0.00046	0.00046	0.0031	0.029	0.017	0.0055	0.00024	**TOC Total**	**VOC Total (excludes C1,C2)**
lb/hr	0.0005	0.5639	0	0	0.1817	2.1035	0.1131	2.96	**2.93**
tpy	0.0020	2.4697	0	0	0.7959	9.2134	0.4956	12.98	**12.85**

VOC WEIGHT FRACTION =	0.9902

[1]EPA Protocol for Emission Leak Estimates 453/R-95-017 November 1995

(These are the factors used in GRI HAPCalc Version 3.0)

		Emission Rates	
HAP	**Weight %**	**lb/hr**	**tpy**
Benzene	0.4440	0.0130	0.0571
Toluene	0.4700	0.0138	0.0604
Ethylbenzene	0.0950	0.0028	0.0122
m-xylene	0.0120	0.0004	0.0015
p-xylene	0.0000	0.0000	0.0000
o-xylene	0.0150	0.0004	0.0019
n Hexane	3.1070	0.0911	0.3992
Total HAPs	4.1430	**0.1215**	**0.5324**

Western Refining Wingate Facility

Gasoline Storage & Rail Loading Fugitives

Emission unit: 23

	Components Count						
Stream	Sample Connections	Threaded Connections	Open Ended Lines	Pump Seals	Relief Valves	Valves	Flanges
R							
Mix C3/C4							
Mix C4/Gasoline							
C3							
Mix C4							
i-C4							
n-C4							
Natural Gasoline							
Methyl Mercaptan							
All (Vents & Headers)							
TOTAL	1	1716	0	0	10	485	518

Components in Light Liquids Service	**Emissions**								
TOC Factors (kg/component-hr)[1]	2.1E-04	2.1E-04	1.4E-03	1.3E-02	7.5E-03	2.5E-03	1.1E-04		
TOC Factors (lb/component-hr)	0.00046	0.00046	0.0031	0.029	0.017	0.0055	0.00024	**TOC Total**	**VOC Total (excludes C1,C2)**
lb/hr	0.0005	0.7937	0	0	0.1652	2.6707	0.1255	3.76	**3.72**
tpy	0.0020	3.4766	0	0	0.7236	11.6977	0.5497	16.45	**16.29**

VOC WEIGHT FRACTION =	0.9902

[1]EPA Protocol for Emission Leak Estimates 453/R-95-017 November 1995

(These are the factors used in GRI HAPCalc Version 3.0)

		Emission Rates	
HAP	**Weight %**	**lb/hr**	**tpy**
Benzene	0.4440	0.0165	0.0723
Toluene	0.4700	0.0175	0.0766
Ethylbenzene	0.0950	0.0035	0.0155
m-xylene	0.0120	0.0004	0.0020
p-xylene	0.0000	0.0000	0.0000
o-xylene	0.0150	0.0006	0.0024
n Hexane	3.1070	0.1155	0.5061
Total HAPs	4.1430	**0.1541**	**0.6748**

Western Refining Wingate Facility

Ethyl Mercaptan Storage & Injection System Fugitives

Emission unit: 24

	Components Count						
Stream	Sample Connections	Threaded Connections	Open Ended Lines	Pump Seals	Relief Valves	Valves	Flanges
R							
Mix C3/C4							
Mix C4/Gasoline							
C3							
Mix C4							
i-C4							
n-C4							
Natural Gasoline							
Methyl Mercaptan							
All (Vents & Headers)							
TOTAL	0	1832	0	0	0	89	18

Components in Light Liquids Service	**Emissions**								
TOC Factors (kg/component-hr)[1]	2.1E-04	2.1E-04	1.4E-03	1.3E-02	7.5E-03	2.5E-03	1.1E-04		
TOC Factors (lb/component-hr)	0.00046	0.00046	0.0031	0.029	0.017	0.0055	0.00024	**TOC Total**	**VOC Total (excludes C1,C2)**
lb/hr	0	0.8474	0	0	0.0000	0.4901	0.0044	1.34	**1.33**
tpy	0	3.7116	0	0	0.0000	2.1466	0.0191	5.88	**5.82**

VOC WEIGHT FRACTION =	0.9902

[1]EPA Protocol for Emission Leak Estimates 453/R-95-017 November 1995

(These are the factors used in GRI HAPCalc Version 3.0)

		Emission Rates	
HAP	**Weight %**	**lb/hr**	**tpy**
Benzene	0.4440	0.0059	0.0258
Toluene	0.4700	0.0062	0.0274
Ethylbenzene	0.0950	0.0013	0.0055
m-xylene	0.0120	0.0002	0.0007
p-xylene	0.0000	0.0000	0.0000
o-xylene	0.0150	0.0002	0.0009
n Hexane	3.1070	0.0413	0.1808
Total HAPs	4.1430	**0.0550**	**0.2411**

Western Refining Wingate Facility

Product Pumping Systems Fugitives

Emission unit: 25

	Components Count						
Stream	Sample Connections	Threaded Connections	Open Ended Lines	Pump Seals	Relief Valves	Valves	Flanges
R							
Mix C3/C4							
Mix C4/Gasoline							
C3							
Mix C4							
i-C4							
n-C4							
Natural Gasoline							
Methyl Mercaptan							
All (Vents & Headers)							
TOTAL	17	3153	0	18	0	473	447

Components in Light Liquids Service	**Emissions**								
TOC Factors (kg/component-hr)[1]	2.1E-04	2.1E-04	1.4E-03	1.3E-02	7.5E-03	2.5E-03	1.1E-04		
TOC Factors (lb/component-hr)	0.00046	0.00046	0.0031	0.029	0.017	0.0055	0.00024	**TOC Total**	**VOC Total (excludes C1,C2)**
lb/hr	0.0079	1.4584	0	0.5154	0	2.6046	0.1083	4.69	**4.65**
tpy	0.0344	6.3880	0	2.2575	0	11.4083	0.4744	20.56	**20.36**

VOC WEIGHT FRACTION = 0.9902

[1]EPA Protocol for Emission Leak Estimates 453/R-95-017 November 1995

(These are the factors used in GRI HAPCalc Version 3.0)

		Emission Rates	
HAP	**Weight %**	**lb/hr**	**tpy**
Benzene	0.4440	0.0206	0.0904
Toluene	0.4700	0.0218	0.0957
Ethylbenzene	0.0950	0.0044	0.0193
m-xylene	0.0120	0.0006	0.0024
p-xylene	0.0000	0.0000	0.0000
o-xylene	0.0150	0.0007	0.0031
n Hexane	3.1070	0.1444	0.6326
Total HAPs	4.1430	**0.1926**	**0.8436**

Western Refining Wingate Facility

Hose Blowdown Fugitives

Emission unit: 26

Loading emissions include the blowdown from the hose of the truck rack and rail rack. The follwing blowdown calculation also includes a contingency for spew gauge emissions from the rail car. All other emissions associated with loading is captured in a closed system to the VRU. The calculation is based on the following: Volume of the hose based on length & internal diameter; volume of the blowdown using a mass density generated by HYSYS in lb/ft^3 then multiplying that times the volume in the hose (ft^3) to give a lbs of C3 or iC4 or nC4 per blowdown event. This number was then multiplied times the approximate number of events each year for each product from each respective loading system.

Truck Rack Blowdown Calculation

Pressure (psig)	10	C3 Mass Density @ 10 psig	0.1952	lb/ft^3
Diameter (in)	2	iC4 Mass Density @ 10 psig	0.2626	lb/ft^3
Length (ft)	30	nC4 Mass Density @ 10 psig	0.2665	lb/ft^3
Area (ft^2)	0.021817			
Volume (ft^3) @ 0 psig	0.654498			

	lbs/event	events/yr	lbs/yr	lbs/hr	tpy
lbs/C3/Blowdown	0.127758	9857	1259	0.1438	0.63
lbs/iC4/Blowdown	0.171871	50	9	0.0010	0.00
lbs/nC4/Blowdown	0.174424	5	1	0.0001	0.00
		9912	1269	0.1448	0.63

Rail Rack Blowdown Calculation

Pressure (psig)	30	C3 Mass Density @ 30 psig	0.3623	lb/ft^3
Diameter (in)	2	iC4 Mass Density @ 30 psig	0.4958	lb/ft^3
Length (ft)	20	nC4 Mass Density @ 30 psig	36.022	lb/ft^3
Area (ft^2)	0.021817			
Volume (ft^3) @ 0 psig	0.436332			

	lbs/event	events/yr	lbs/yr	lbs/hr	tpy
lbs/C3/Blowdown	0.158083	3746	592	0.0676	0.30
lbs/iC4/Blowdown	0.216334	1930	418	0.0477	0.21
	TOTAL*	5676	1010	0.1153	0.505

*rail rack nC4 blowdown has been eliminated.

Total Blowdown Emissions (Rail and Truck)

lbs/hr	tpy
0.2601	**1.1392**

Table 6-1
Non-Road Diesel Engine Emissions

Emission ID	Non-Road Engine		
Source Description	Non-Road Engine		
Engine Usage	Engine		
Engine Make	Various (Tier 3 Engine)	Potential operation	8,760 hr/yr
Engine Model	Various		
Serial Number	N/A		
Manufactured Date	1/1/2007 or later		
Fuel Density	6.94 lb/gal		
Fuel Consumption	7.00 gal/hr (assumed)		
Heat Input	0.97 MMBtu/hr		
ISO Rating	89.5 kW		
ISO Rating	120 hp		

Example Calculation

lb/hr = (g/kW-hr) * (kW) *(1 lb/ 453.592 g)

tpy = (g/kW-hr) * (kW) *(1 lb/ 453.592 g) * (1 ton/2000 lb) * (8,760 hr/yr)

lb/hr = (lb/hp-hr) * (hp)

tpy = (lb/hp-hr) * (hp) * (1 ton/2000 lb) * (8,760 hr/yr)

SO_2 emissions based on mass balance

SO_2 (lb/hr) = 15 ppm / 1,000,000 S (standard) * fuel consumption (gal/hr) * fuel density (lb/gal) * 64 lb SO_2 / 32 lb S

Potential Emissions

Pollutant	Emission Factor (g/kW-hr)	Emission Factor (lb/hp-hr)[a]	Nominal Rating (kW)	Nominal Rating (hp)	Hours of Operation (hrs/yr)	Emissions (lb/hr)	Emissions (tpy)	Source of Emission Factor[c]
NO_X[b]	4.0000	--	89.5	120	8,760	0.79	3.46	40 CFR 89.112 Table 1 (Tier 3 Engine)
CO	5.0000	--	89.5	120	8,760	0.99	4.32	40 CFR 89.112 Table 1 (Tier 3 Engine)
VOC[b]	4.0000	--	89.5	120	8,760	0.79	3.46	40 CFR 89.112 Table 1 (Tier 3 Engine)
SO_2	--	--	89.5	120	8,760	1.46E-03	6.39E-03	Material Balance (NSPS IIII Limit)
PM[c]	0.3000	--	89.5	120	8,760	5.92E-02	0.26	40 CFR 89.112 Table 1 (Tier 3 Engine)
Benzene	--	7.51E-06	89.5	120	8,760	9.01E-04	3.95E-03	AP-42 Ch. 3.3, Table 3.3-2
Formaldehyde	--	9.50E-06	89.5	120	8,760	1.14E-03	4.99E-03	AP-42 Ch. 3.3, Table 3.3-2
Other HAPs	--	1.42E-05	89.5	120	8,760	1.70E-03	7.45E-03	AP-42 Ch. 3.3, Table 3.3-2
CO_2	--	1.3126	89.5	120	8,760	157.51	689.89	40 CFR 98, Subpart C, Table C-1
CH_4	--	5.32E-05	89.5	120	8,760	6.39E-03	0.03	40 CFR 98, Subpart C, Table C-2
N_2O	--	1.06E-05	89.5	120	8,760	1.00E-03	6.00E-03	40 CFR 98, Subpart C, Table C-2
CO_2e[d]	--		--		--	157.97	692.38	--

[a] The lb/hp-hr emission factor was calculated as follows: (Listed emission factor) lb/MMBTU * 0.97 MMBtu/hr / 120 hp

[b] NO_X and VOC were assumed to have the same emission factor to be conservative.

[c] $PM=PM_{10}=PM_{2.5}$

[d] CO_2e emissions are calculated using global warming potentials of 25 for CH_4 and 298 for N_2O.

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 (CO_2), nitrous oxide (N_2O), methane (CH_4), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).

Calculating GHG Emissions:

1. Calculate the ton per year (tpy) GHG mass emissions and GHG CO_2e 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 CO_2e 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 CO_2e 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 CO_2 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)

Section 7

Information Used to Determine Emissions

Information Used to Determine Emissions shall include the following:

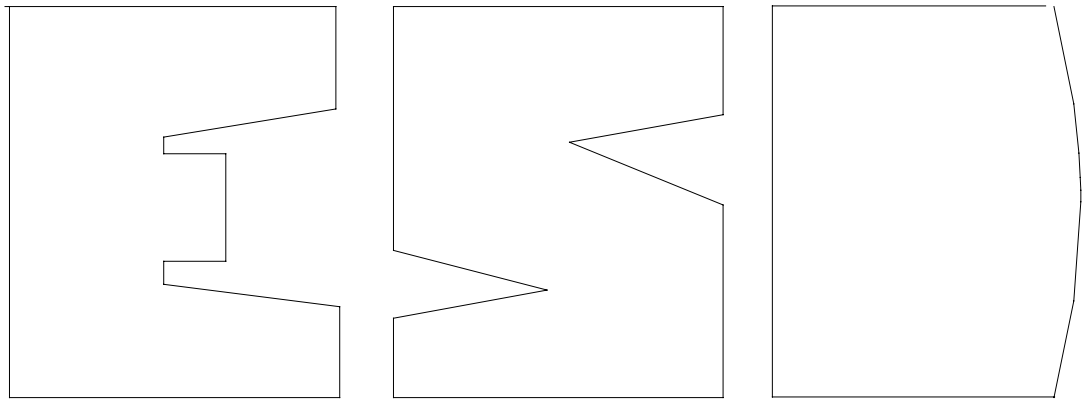
- ☒ If manufacturer data are used, include specifications for emissions units and control equipment, including control efficiencies specifications and sufficient engineering data for verification of control equipment operation, including design drawings, test reports, and design parameters that affect 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 effect 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.

Information used to determine emissions is attached.

United States Environmental Protection Agency
Office of Air Quality Planning and Standards Research Triangle Park NC 27711
EPA-453/R-95-017 November 1995
Air

EPA

Protocol for Equipment Leak Emission Estimates



EPA-453/R-95-017

1995 Protocol for Equipment Leak Emission Estimates

Emission Standards Division

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Radiation
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

November 1995

TABLE 5-2. CONTROL EFFECTIVENESS FOR AN LDAR PROGRAM AT A SOCMI PROCESS UNIT

Equipment type and service	Control effectiveness (%)		
	Monthly monitoring 10,000 ppmv leak definition	Quarterly monitoring 10,000 ppmv leak definition	HON reg neg[a]
Valves - gas	87	67	92
Valves - light liquid	84	61	88
Pumps - light liquid	69	45	75
Connectors - all	b	b	93

[a] Control effectiveness attributable to the requirements of the proposed hazardous organic NESHAP equipment leak negotiated regulation are estimated based on equipment-specific leak definitions and performance levels.

[b] Data are not available to estimate control effectiveness.

TABLE 5-3. CONTROL EFFECTIVENESS FOR AN LDAR PROGRAM AT A REFINERY PROCESS UNIT

Equipment type and service	Control effectiveness (%)		
	Monthly monitoring 10,000 ppmv leak definition	Quarterly monitoring 10,000 ppmv leak definition	HON reg neg[a]
Valves - gas	88	70	96
Valves - light liquid	76	61	95
Pumps - light liquid	68	45	88
Connectors - all	b	b	81

[a] Control effectiveness attributable to the requirements of the proposed hazardous organic NESHAP equipment leak negotiated regulation are estimated based on equipment-specific leak definitions and performance levels.

[b] Data are not available to estimate control effectiveness.

TABLE 2-4. OIL AND GAS PRODUCTION OPERATIONS AVERAGE EMISSION FACTORS (kg/hr/source)

Equipment Type	Service[a]	Emission Factor (kg/hr/source)[b]
Valves	Gas	4.5E-03
	Heavy Oil	8.4E-06
	Light Oil	2.5E-03
	Water/Oil	9.8E-05
Pump seals	Gas	2.4E-03
	Heavy Oil	NA
	Light Oil	1.3E-02
	Water/Oil	2.4E-05
Others[c]	Gas	8.8E-03
	Heavy Oil	3.2E-05
	Light Oil	7.5E-03
	Water/Oil	1.4E-02
Connectors	Gas	2.0E-04
	Heavy Oil	7.5E-06
	Light Oil	2.1E-04
	Water/Oil	1.1E-04
Flanges	Gas	3.9E-04
	Heavy Oil	3.9E-07
	Light Oil	1.1E-04
	Water/Oil	2.9E-06
Open-ended lines	Gas	2.0E-03
	Heavy Oil	1.4E-04
	Light Oil	1.4E-03
	Water/Oil	2.5E-04

[a]Water/Oil emission factors apply to water streams in oil service with a water content greater than 50%, from the point of origin to the point where the water content reaches 99%. For water streams with a water content greater than 99%, the emission rate is considered negligible.

[b]These factors are for total organic compound emission rates (including non-VOC's such as methane and ethane) and apply to light crude, heavy crude, gas plant, gas production, and off shore facilities. "NA" indicates that not enough data were available to develop the indicated emission factor.

[c]The "other" equipment type was derived from compressors, diaphrams, drains, dump arms, hatches, instruments, meters, pressure relief valves, polished rods, relief valves, and vents. This "other" equipment type should be applied for any equipment type other than connectors, flanges, open-ended lines, pumps, or valves.

ELECTRONIC CODE OF FEDERAL REGULATIONS

e-CFR data is current as of October 23, 2020

Title 40: Protection of Environment
PART 89—CONTROL OF EMISSIONS FROM NEW AND IN-USE NONROAD COMPRESSION-IGNITION ENGINES
Subpart B—Emission Standards and Certification Provisions

---

§89.112 Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards.

(a) Exhaust emission from nonroad engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards contained in Table 1, as follows:

Table 1.—Emission Standards (g/kW-hr)

Rated Power (kW)	Tier	Model Year[1]	NOx	HC	NMHC + NOx	CO	PM
kW<8	Tier 1	2000	—	—	10.5	8.0	1.0
	Tier 2	2005	—	—	7.5	8.0	0.80
8≤kW<19	Tier 1	2000	—	—	9.5	6.6	0.80
	Tier 2	2005	—	—	7.5	6.6	0.80
19≤kW<37	Tier 1	1999	—	—	9.5	5.5	0.80
	Tier 2	2004	—	—	7.5	5.5	0.60
37≤kW<75	Tier 1	1998	9.2	—	—	—	—
	Tier 2	2004	—	—	7.5	5.0	0.40
	Tier 3	2008	—	—	4.7	5.0	
75≤kW<130	Tier 1	1997	9.2	—	—	—	—
	Tier 2	2003	—	—	6.6	5.0	0.30
	Tier 3	2007	—	—	4.0	5.0	
130≤kW<225	Tier 1	1996	9.2	1.3	—	11.4	0.54
	Tier 2	2003	—	—	6.6	3.5	0.20
	Tier 3	2006	—	—	4.0	3.5	
225≤kW<450	Tier 1	1996	9.2	1.3	—	11.4	0.54
	Tier 2	2001	—	—	6.4	3.5	0.20
	Tier 3	2006	—	—	4.0	3.5	
450≤kW≤560	Tier 1	1996	9.2	1.3	—	11.4	0.54
	Tier 2	2002	—	—	6.4	3.5	0.20
	Tier 3	2006	—	—	4.0	3.5	
kW>560	Tier 1	2000	9.2	1.3	—	11.4	0.54
	Tier 2	2006	—	—	6.4	3.5	0.20

[1] The model years listed indicate the model years for which the specified tier of standards take effect.

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(b) Exhaust emissions of oxides of nitrogen, carbon monoxide, hydrocarbon, and nonmethane hydrocarbon are measured using the procedures set forth in subpart E of this part.

(c) Exhaust emission of particulate matter is measured using the California Regulations for New 1996 and Later Heavy-Duty Off-Road Diesel Cycle Engines. This procedure is incorporated by reference. See §89.6.

(d) In lieu of the NO_X standards, NMHC + NO_X standards, and PM standards specified in paragraph (a) of this section, manufacturers may elect to include engine families in the averaging, banking, and trading program, the provisions of which are specified in subpart C of this part. The manufacturer must set a family emission limit (FEL) not to exceed the levels contained in Table 2. The FEL established by the manufacturer serves as the standard for that engine family. Table 2 follows:

Table 2.—Upper Limit for Family Emission Limits (g/kW-hr)

Rated Power (kW)	Tier	Model Year[1]	NOx FEL	NMHC+ NOx FEL	PM FEL
kW<8	Tier 1	2000	—	16.0	1.2
	Tier 2	2005	—	10.5	1.0
8≤kW<19	Tier 1	2000	—	16.0	1.2
	Tier 2	2005	—	9.5	0.80
19≤kW<37	Tier 1	1999	—	16.0	1.2
	Tier 2	2004	—	9.5	0.80
37≤kW<75	Tier 1	1998	14.6	—	—
	Tier 2	2004	—	11.5	1.2
	Tier 3	2008	—	7.5	
75≤kW<130	Tier 1	1997	14.6	—	—
	Tier 2	2003	—	11.5	1.2
	Tier 3	2007	—	6.6	
130≤kW<225	Tier 1	1996	14.6	—	—
	Tier 2	2003	—	10.5	0.54
	Tier 3	2006	—	6.6	
225≤kW<450	Tier 1	1996	14.6	—	—
	Tier 2	2001	—	10.5	0.54
	Tier 3	2006	—	6.4	
450≤kW≤560	Tier 1	1996	14.6	—	—
	Tier 2	2002	—	10.5	0.54
	Tier 3	2006	—	6.4	
kW>560	Tier 1	2000	14.6	—	—
	Tier 2	2006	—	10.5	0.54

[1] The model years listed indicate the model years for which the specified tier of limits take effect.

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(e) Naturally aspirated nonroad engines to which this subpart is applicable shall not discharge crankcase emissions into the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision applies to all Tier 2 engines and later models. This provision does not apply to engines using turbochargers, pumps, blowers, or superchargers for air induction.

(f) The following paragraphs define the requirements for low-emitting Blue Sky Series engines:

(1) *Voluntary standards.* Engines may be designated “Blue Sky Series” engines by meeting the voluntary standards listed in Table 3, which apply to all certification and in-use testing, as follows:

TABLE 3—VOLUNTARY EMISSION STANDARDS (G/KW-HR)

Rated Brake Power (kW)	NMHC + NO_X	PM
kW<8	4.6	0.48
8≤kW<19	4.5	0.48
19≤kW<37	4.5	0.36
37≤kW<75	4.7	0.24
75≤kW<130	4.0	0.18
130≤kW≤560	4.0	0.12
kW>560	3.8	0.12

(2) *Additional standards.* Blue Sky Series engines are subject to all provisions that would otherwise apply under this part, except as specified in paragraph (f)(3) of this section.

(3) *Test procedures.* NO_X, NMHC, and PM emissions are measured using the procedures set forth in 40 CFR part 1065, in lieu of the procedures set forth in subpart E of this part. CO emissions may be measured using the procedures set forth either in 40 CFR part 1065 or in subpart E of this part. Manufacturers may use an alternate procedure to demonstrate the desired level of emission control if approved in advance by the Administrator. Engines meeting the requirements to qualify as Blue Sky Series engines must be capable of maintaining a comparable level of emission control when tested using the procedures set forth in paragraph (c) of this section and subpart E of this part. The numerical emission levels measured using the procedures from subpart E of this part may be up to 20 percent higher than those measured using the procedures from 40 CFR part 1065 and still be considered comparable.

(g) Manufacturers of engines at or above 37 kW and below 56 kW from model years 2008 through 2012 that are subject to the standards of this section under 40 CFR 1039.102 must take the following additional steps:

(1) State the applicable PM standard on the emission control information label.

(2) Add information to the emission-related installation instructions to clarify the equipment manufacturer's obligations under 40 CFR 1039.104(f).

Table 3.3-2. SPECIATED ORGANIC COMPOUND EMISSION FACTORS FOR UNCONTROLLED DIESEL ENGINES[a]

EMISSION FACTOR RATING: E

Pollutant	Emission Factor (Fuel Input) (lb/MMBtu)
Benzene[b]	9.33 E-04
Toluene[b]	4.09 E-04
Xylenes[b]	2.85 E-04
Propylene	2.58 E-03
1,3-Butadiene[b,c]	<3.91 E-05
Formaldehyde[b]	1.18 E-03
Acetaldehyde[b]	7.67 E-04
Acrolein[b]	<9.25 E-05
Polycyclic aromatic hydrocarbons (PAH)	
Naphthalene[b]	8.48 E-05
Acenaphthylene	<5.06 E-06
Acenaphthene	<1.42 E-06
Fluorene	2.92 E-05
Phenanthrene	2.94 E-05
Anthracene	1.87 E-06
Fluoranthene	7.61 E-06
Pyrene	4.78 E-06
Benzo(a)anthracene	1.68 E-06
Chrysene	3.53 E-07
Benzo(b)fluoranthene	<9.91 E-08
Benzo(k)fluoranthene	<1.55 E-07
Benzo(a)pyrene	<1.88 E-07
Indeno(1,2,3-cd)pyrene	<3.75 E-07
Dibenz(a,h)anthracene	<5.83 E-07
Benzo(g,h,l)perylene	<4.89 E-07
TOTAL PAH	1.68 E-04

[a] Based on the uncontrolled levels of 2 diesel engines from References 6-7. Source Classification Codes 2-02-001-02, 2-03-001-01. To convert from lb/MMBtu to ng/J, multiply by 430.
[b] Hazardous air pollutant listed in the *Clean Air Act*.
[c] Based on data from 1 engine.

Title 40: Protection of Environment
PART 98—MANDATORY GREENHOUSE GAS REPORTING
Subpart C—General Stationary Fuel Combustion Sources

Table C-1 to Subpart C of Part 98—Default CO_2 Emission Factors and High Heat Values for Various Types of Fuel

Default CO_2 Emission Factors and High Heat Values for Various Types of Fuel

Fuel type	Default high heat value	Default CO_2 emission factor
Coal and coke	mmBtu/short ton	kg CO_2/mmBtu
Anthracite	25.09	103.69
Bituminous	24.93	93.28
Subbituminous	17.25	97.17
Lignite	14.21	97.72
Coal Coke	24.80	113.67
Mixed (Commercial sector)	21.39	94.27
Mixed (Industrial coking)	26.28	93.90
Mixed (Industrial sector)	22.35	94.67
Mixed (Electric Power sector)	19.73	95.52
Natural gas	mmBtu/scf	kg CO_2/mmBtu
(Weighted U.S. Average)	1.026×10^{-3}	53.06
Petroleum products—liquid	mmBtu/gallon	kg CO_2/mmBtu
Distillate Fuel Oil No. 1	0.139	73.25
Distillate Fuel Oil No. 2	0.138	73.96
Distillate Fuel Oil No. 4	0.146	75.04
Residual Fuel Oil No. 5	0.140	72.93
Residual Fuel Oil No. 6	0.150	75.10
Used Oil	0.138	74.00
Kerosene	0.135	75.20
Liquefied petroleum gases (LPG)[1]	0.092	61.71
Propane[1]	0.091	62.87
Propylene[2]	0.091	67.77
Ethane[1]	0.068	59.60
Ethanol	0.084	68.44
Ethylene[2]	0.058	65.96
Isobutane[1]	0.099	64.94
	0.103	68.86

Isobutylene[1]	0.103	68.86
Butane[1]	0.103	64.77
Butylene[1]	0.105	68.72
Naphtha (<401 deg F)	0.125	68.02
Natural Gasoline	0.110	66.88
Other Oil (>401 deg F)	0.139	76.22
Pentanes Plus	0.110	70.02
Petrochemical Feedstocks	0.125	71.02
Special Naphtha	0.125	72.34
Unfinished Oils	0.139	74.54
Heavy Gas Oils	0.148	74.92
Lubricants	0.144	74.27
Motor Gasoline	0.125	70.22
Aviation Gasoline	0.120	69.25
Kerosene-Type Jet Fuel	0.135	72.22
Asphalt and Road Oil	0.158	75.36
Crude Oil	0.138	74.54
Petroleum products—solid	mmBtu/short ton	kg CO_2/mmBtu.
Petroleum Coke	30.00	102.41.
Petroleum products—gaseous	mmBtu/scf	kg CO_2/mmBtu.
Propane Gas	2.516×10^{-3}	61.46.
Other fuels—solid	mmBtu/short ton	kg CO_2/mmBtu
Municipal Solid Waste	9.95[3]	90.7
Tires	28.00	85.97
Plastics	38.00	75.00
Other fuels—gaseous	mmBtu/scf	kg CO_2/mmBtu
Blast Furnace Gas	0.092×10^{-3}	274.32
Coke Oven Gas	0.599×10^{-3}	46.85
Fuel Gas[4]	1.388×10^{-3}	59.00
Biomass fuels—solid	mmBtu/short ton	kg CO_2/mmBtu
Wood and Wood Residuals (dry basis)[5]	17.48	93.80
Agricultural Byproducts	8.25	118.17
Peat	8.00	111.84
Solid Byproducts	10.39	105.51
Biomass fuels—gaseous	mmBtu/scf	kg CO_2/mmBtu
Landfill Gas	0.485×10^{-3}	52.07
Other Biomass Gases	0.655×10^{-3}	52.07
Biomass Fuels—Liquid	mmBtu/gallon	kg CO_2/mmBtu
Ethanol	0.084	68.44
Biodiesel (100%)	0.128	73.84
Rendered Animal Fat	0.125	71.06
Vegetable Oil	0.120	81.55

[1]The HHV for components of LPG determined at 60 °F and saturation pressure with the exception of ethylene.

[2]Ethylene HHV determined at 41 °F (5 °C) and saturation pressure.

[3]Use of this default HHV is allowed only for: (a) Units that combust MSW, do not generate steam, and are allowed to use Tier 1; (b) units that derive no more than 10 percent

of their annual heat input from MSW and/or tires; and (c) small batch incinerators that combust no more than 1,000 tons of MSW per year.

[4]Reporters subject to subpart X of this part that are complying with §98.243(d) or subpart Y of this part may only use the default HHV and the default CO_2 emission factor for fuel gas combustion under the conditions prescribed in §98.243(d)(2)(i) and (d)(2)(ii) and §98.252(a)(1) and (a)(2), respectively. Otherwise, reporters subject to subpart X or subpart Y shall use either Tier 3 (Equation C-5) or Tier 4.

[5]Use the following formula to calculate a wet basis HHV for use in Equation C-1: $HHV_w = ((100 - M)/100)*HHV_d$ where HHV_w = wet basis HHV, M = moisture content (percent) and HHV_d = dry basis HHV from Table C-1.

[78 FR 71950, Nov. 29, 2013, as amended at 81 FR 89252, Dec. 9, 2016]

Title 40: Protection of Environment
PART 98—MANDATORY GREENHOUSE GAS REPORTING
Subpart C—General Stationary Fuel Combustion Sources

Table C-2 to Subpart C of Part 98—Default CH_4 and N_2O Emission Factors for Various Types of Fuel

Fuel type	Default CH_4 emission factor (kg CH_4/mmBtu)	Default N_2O emission factor (kg N_2O/mmBtu)
Coal and Coke (All fuel types in Table C-1)	1.1×10^{-02}	1.6×10^{-03}
Natural Gas	1.0×10^{-03}	1.0×10^{-04}
Petroleum Products (All fuel types in Table C-1)	3.0×10^{-03}	6.0×10^{-04}
Fuel Gas	3.0×10^{-03}	6.0×10^{-04}
Other Fuels—Solid	3.2×10^{-02}	4.2×10^{-03}
Blast Furnace Gas	2.2×10^{-05}	1.0×10^{-04}
Coke Oven Gas	4.8×10^{-04}	1.0×10^{-04}
Biomass Fuels—Solid (All fuel types in Table C-1, except wood and wood residuals)	3.2×10^{-02}	4.2×10^{-03}
Wood and wood residuals	7.2×10^{-03}	3.6×10^{-03}
Biomass Fuels—Gaseous (All fuel types in Table C-1)	3.2×10^{-03}	6.3×10^{-04}
Biomass Fuels—Liquid (All fuel types in Table C-1)	1.1×10^{-03}	1.1×10^{-04}

Note: Those employing this table are assumed to fall under the IPCC definitions of the “Energy Industry” or “Manufacturing Industries and Construction”. In all fuels except for coal the values for these two categories are identical. For coal combustion, those who fall within the IPCC “Energy Industry” category may employ a value of 1g of CH_4/mmBtu.

[78 FR 71952, Nov. 29, 2013, as amended at 81 FR 89252, Dec. 9, 2016]

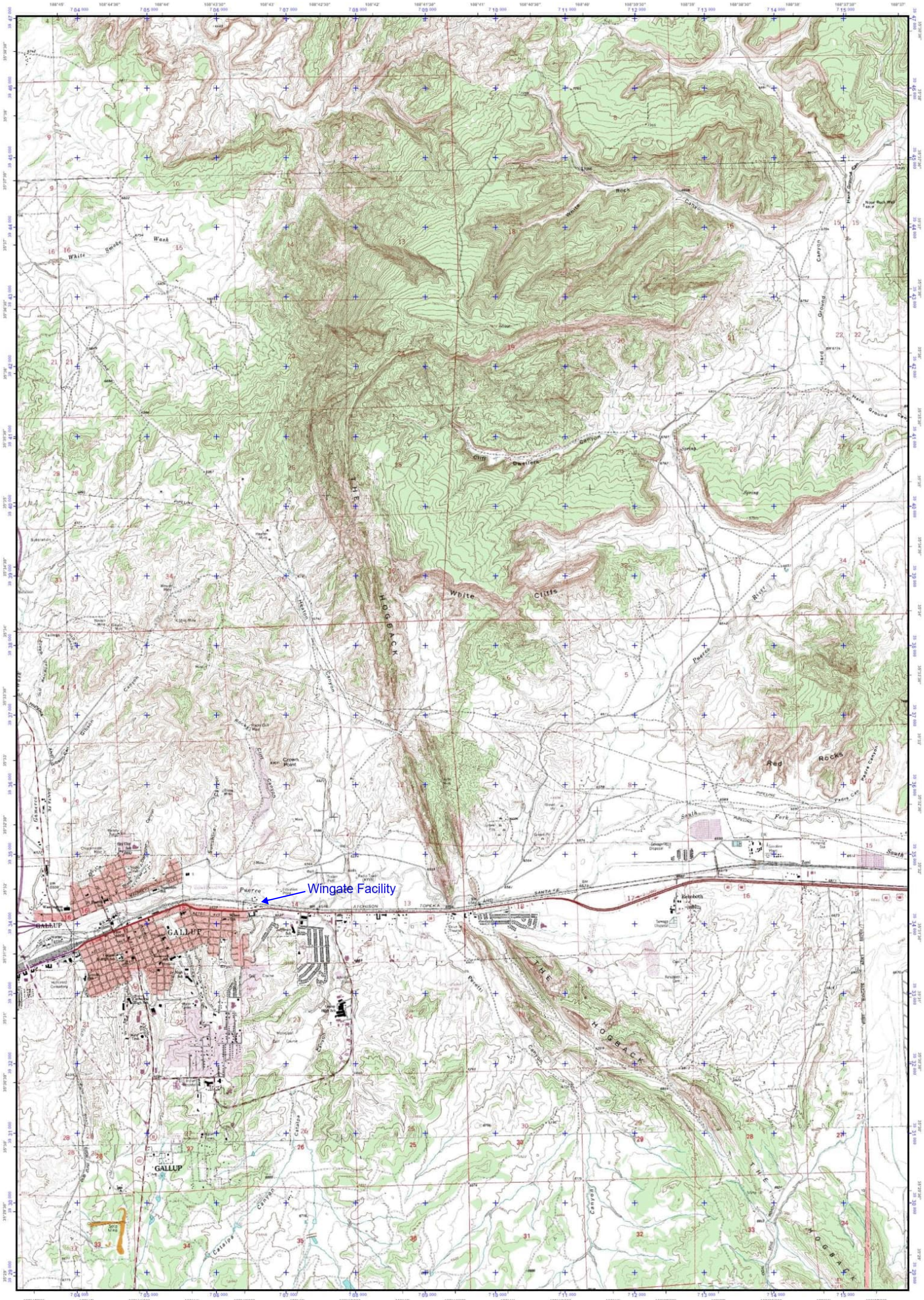
Section 8

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	

A map showing the location of the facility is attached.



Gallup East

o35108e6

Vicinity Map

Index Map

mytopo
A TRIMBLE COMPANY

GN
TN 2°
MN 8°

1:24000 scale

Universal Transverse Mercator (UTM) Projection Zone 12
North American Datum of 1983
1000 meter UTM / USNG / MGRS
Grid Zone Designation: 12S
100,000-m Square(s) YE

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. ☐ A copy of the certified letter receipts with post marks (20.2.72.203.B NMAC)
2. ☐ 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. ☐ A copy of the property tax record (20.2.72.203.B NMAC).
4. ☐ A sample of the letters sent to the owners of record.
5. ☐ A sample of the letters sent to counties, municipalities, and Indian tribes.
6. ☐ A sample of the public notice posted and a verification of the local postings.
7. ☐ A table of the noticed citizens, counties, municipalities and tribes and to whom the notices were sent in each group.
8. ☐ A copy of the public service announcement (PSA) sent to a local radio station and documentary proof of submittal.
9. ☐ 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. ☐ 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. ☐ 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.

Not applicable –application is being submitted pursuant to 20.2.70 NMAC.

Section 10

Written Description of the Routine Operations of the Facility

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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.

Currently, the Wingate facility receives isobutane/normal butane/mixed butane in railcars. The railcars are pressurized using purchased natural gas. Isobutane/normal butane/mixed butane is unloaded from railcar to storage tanks. During offloading, the storage tanks are vented to the flare. Isobutane/normal butane/mixed butane storage is sent via pipeline to the Gallup refinery.

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):

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.

X Yes ☐ No

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

X Yes ☐ No

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

X Yes ☐ No

C. Make a determination:

X 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):

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 or is not] one of the listed 20.2.74.501 Table I – PSD Source Categories. The "project" emissions for this modification are [significant or not significant]. [Discuss why.] The "project" emissions listed below [do or do not] only result from changes described in this permit application, thus no emissions from other [revisions or modifications, past or future] to this facility. Also, specifically discuss whether this project results in "de-bottlenecking", or other associated emissions resulting in higher emissions. The project emissions (before netting) for this project are as follows [see Table 2 in 20.2.74.502 NMAC for a complete list of significance levels]:

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

C. Netting [is required, and analysis is attached to this document.] OR [is not required (project is not significant)] OR [Applicant is submitting a PSD Major Modification and chooses not to net.]

D. BACT is [not required for this modification, as this application is a minor modification.] OR [required, as this application is a major modification. List pollutants subject to BACT review and provide a full top down BACT determination.]

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.

Not applicable – this application is being submitted pursuant to 20.2.70 NMAC. A PSD determination was included in the application to modify NSR Permit 1313-M6R1.

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 HAP 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 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 RELEVENT 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/

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	No	---	20.2.3 NMAC is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentration of, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. Title V applications, see exemption at 20.2.3.9 NMAC The TSP NM ambient air quality standard was repealed by the EIB effective November 30, 2018.
20.2.7 NMAC	Excess Emissions	Yes	Facility	If your entire facility or individual pieces of equipment are subject to emissions limits in a permit or numerical emissions standards in a federal or state regulation, this applies. This facility is subject to emissions limits in NSR Permit 1313M6 and Title V Permit P117R3. This regulation applies.
20.2.23 NMAC	Fugitive Dust Control	No, permitted facility	N/A	This regulation may apply if, this is an application for a notice of intent (NOI) per 20.2.73 NMAC, if the activity or facility is a fugitive dust source listed at 20.2.23.108.A NMAC, and if the activity or facility is 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. Sources exempt from 20.2.23 NMAC are activities and facilities subject to a permit issued pursuant to the NM Air Quality Control Act, the Mining Act, or the Surface Mining Act (20.2.23.108.B NMAC. 20.2.23.108 APPLICABILITY: A. This part shall apply to persons owning or operating the following fugitive dust sources in areas requiring a mitigation plan in accordance with 40 CFR Part 51.930: (1) disturbed surface areas or inactive disturbed surface areas, or a combination thereof, encompassing an area equal to or greater than one acre; (2) any commercial or industrial bulk material processing, handling, transport or storage operations. B. The following fugitive dust sources are exempt from this part: (1) agricultural facilities, as defined in this part; (2) roadways, as defined in this part; (3) operations issued permits pursuant to the state of New Mexico Air Quality Control Act, Mining Act or Surface Mining Act; and (4) lands used for state or federal military activities. [20.2.23.108 NMAC - N, 01/01/2019]
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers. Gas burning equipment at the facility has been decommissioned.
20.2.34 NMAC	Oil Burning Equipment: NO_2	No	N/A	This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers. This facility does not have oil burning equipment having a heat input of greater than 1,000,000 million British Thermal Units per year per unit. This regulation does not apply.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	No	N/A	This regulation could apply to existing (prior to July 1, 1974) or new (on or after July 1, 1974) natural gas processing plants that use a Sulfur Recovery Unit to reduce sulfur emissions. This facility is not subject to this regulation.

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	N/A	N/A	These regulations were repealed by the Environmental Improvement Board. If you had equipment subject to 20.2.37 NMAC before the repeal, your combustion emission sources are now subject to 20.2.61 NMAC.
20.2.38 NMAC	Hydrocarbon Storage Facility	No	N/A	Applies to storage tanks at petroleum production facilities, processing facilities, tanks batteries, or hydrocarbon storage facilities. This regulation does not apply as the facility is not a petroleum production facility, processing facility, tank battery, or hydrocarbon storage facility.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	This regulation could apply to sulfur recovery plants that are not part of petroleum or natural gas processing facilities. This facility is not a sulfur recovery plant as defined. This regulation does not apply.
20.2.50 NMAC	Oil and Gas Sector – Ozone Precursor Pollutants	No	N/A	The facility is not a gas production, processing, compression, and transmission operation; therefore, this regulation does not apply.
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	EG-1, FP-1, FP-2, ENG-1, and LeRoi	This regulation that limits opacity to 20% applies to Stationary Combustion Equipment, such as engines, boilers, heaters, and flares unless your equipment is subject to another state regulation that limits particulate matter such as 20.2.19 NMAC (see 20.2.61.109 NMAC). If equipment at your facility was subject to the repealed regulation 20.2.37 NMAC it is now subject to 20.2.61 NMAC. The internal combustion engines at the facility are subject to 20.2.61 NMAC.
20.2.70 NMAC	Operating Permits	Yes	Facility	This regulation applies if your facility's potential to emit (PTE) is 100 tpy or more of any regulated air pollutant other than HAPs; and/or a HAPs PTE of 10 tpy or more for a single HAP or 25 or more tpy for combined HAPs; is subject to a 20.2.79 NMAC nonattainment permit; or is a facility subject to a federal regulation that requires you to obtain a Title V permit such as landfills or air curtain incinerators. This facility complies with this regulation through Title V Permit P117-R3.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	If subject to 20.2.70 NMAC and your permit includes numerical ton per year emission limits, you are subject to 20.2.71 NMAC and normally applies to the entire facility. This regulation applies.
20.2.72 NMAC	Construction Permits	Yes	Facility	Applies to facilities with potential emission rate (PER) that is greater than 10 pph or greater than 25 tpy for any pollutant subject to a state or federal ambient air quality standard (does not include VOCs or HAPs); if the PER of lead is 5 tpy or more; if your facility is subject to 20.2.72.400 NMAC; or if you have equipment subject to 40 CFR 60 Subparts I and OOO, 40 CFR 61 Subparts C and D. This facility complies with NSR Permit 1313M6R1/R5.
20.2.72 NMAC	Toxic Air Pollutant Permitting	No	Facility	Facilities with potential emissions that exceed the emission level in pounds per hour specified in 20.2.72.502 NMAC for any toxic air pollutant must obtain an air permit prior to construction. This facility does not emit toxic air pollutants at rates exceeding the thresholds in NMAC 20.2.72.502.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	All facilities that are a Title V Major Source as defined at 20.2.70.7.R NMAC, are subject to Emissions Inventory Reporting. This regulation applies because the facility is a Title V Major Source.

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	Yes	Facility	This regulation applies and was previously listed as subject in Title V Permit P117-R2. During the transition of the facility's operation from the category of natural gas liquids (SIC code 1321) to the category of petroleum bulk stations and terminals (SIC 5171), this regulation was deemed not applicable. This is because a petroleum bulk station and terminal is not historically considered one of the 28 named source categories listed in Section 169 of the CAA (Table A-1). With the transition of the facility back to SIC code 1321, the facility classification remained PSD minor because PTE decreased below the applicability threshold.
20.2.75 NMAC	Construction Permit Fees	No	Facility	This regulation applies if you are submitting an application pursuant to 20.2.72, 20.2.73, 20.2.74, and/or 20.2.79 NMAC. This application is being submitted pursuant to 20.2.70 NMAC. This regulation does not apply.
20.2.77 NMAC	New Source Performance	Yes	Units subject to 40 CFR 60	This is a stationary source which is subject to the requirements of 40 CFR Part 60. This regulation applies when affected units at the facility are in operation.
20.2.78 NMAC	Emission Standards for HAPS	No	Units Subject to 40 CFR 61	During normal operation, this facility does not emit hazardous air pollutants which are subject to the requirements of 40 CFR Part 61. NESHAP M would apply in the case of asbestos demolition.
20.2.79 NMAC	Permits – Nonattainment Areas	No	Facility	Because this facility is not located in a nonattainment area, this regulation does not apply.
20.2.80 NMAC	Stack Heights	No	N/A	This regulation establishes requirements for the evaluation of stack heights and other dispersion techniques. This regulation does not apply as the facility is not equipped with any stacks that exceed Good Engineering Practice (GEP).
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	Units Subject to 40 CFR 63	This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63. This regulation applies to the facility's diesel-fired engines, units EG-1, FP-1, FP-2, ENG-1, and LeRoi.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 50	NAAQS	Yes	Facility	This applies if you are subject to 20.2.70, 20.2.72, 20.2.74, and/or 20.2.79 NMAC.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	Units subject to 40 CFR 60	Applies if any other Subpart in 40 CFR 60 applies.
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for Electric Utility Steam Generating Units	No	N/A	This regulation establishes standards of performance for electric utility steam generating units. This regulation does not apply as there are no electric utility steam generating units at this facility.
NSPS 40 CFR60.40b Subpart Db	Electric Utility Steam Generating Units	No	N/A	This regulation does not apply as there are no steam generating units at this facility. The boilers have been decommissioned.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	No	N/A	This regulation does not apply as there are no steam generating units at this facility. The boilers have been decommissioned.
NSPS 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	No	N/A	Not applicable as no facility petroleum liquid storage vessels commenced construction, reconstruction, or modification after May 18, 1978 and prior to July 23, 1984.
NSPS 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	No	N/A	This facility has no storage vessels, with a capacity greater than or equal to 75 cubic meters (m 3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	No	N/A	Not applicable as this facility does not have any stationary gas turbines.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	No	N/A	Affected Facility with Leaks of VOC from Onshore Gas Plants. Any affected facility under paragraph (a) of this section that commences construction, reconstruction, or modification after January 20, 1984, is subject to the requirements of this subpart. The group of all equipment (each pump, pressure relief device, open-ended valve or line, valve, compressor, and flange or other connector that is in VOC service or in wet gas service, and any device or system required by this subpart) except compressors (defined in § 60.631) within a process unit is an affected facility. A compressor station, dehydration unit, sweetening unit, underground storage tank, field gas gathering system, or liquefied natural gas unit is covered by this subpart if it is located at an onshore natural gas processing plant. If the unit is not located at the plant site, then it is exempt from the provisions of this subpart. The natural gas liquids fractionation train portion of the facility was removed from operation under NSR 1313-M6 issued October 9, 2015. The facility no longer meets the Subpart KKK definition of a natural gas processing plant at §60.631 (per P117-R3, Condition 103B).
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO_2 Emissions	No	N/A	The facility does not operate a sweetening unit followed by a sulfur recovery unit.
NSPS 40 CFR Part 60 Subpart NNN	Standards of Performance for VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations	Yes	Unit 18, Butamer Deisobutanizer	The affected source is a facility which was constructed, modified, or reconstruction commenced after December 30, 1983.The Butamer Deisobutanizer at this facility produces VOC emissions from synthetic organic chemical manufacturing industry distillation operations.
NSPS 40 CFR Part 60 Subpart RRR	Standards of Performance for VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes	Yes	Unit 18, Isobutanizer Reactors	The Isobutanizer Reactors at this facility produces VOC emissions from synthetic organic chemical manufacturing industry reactor processes.
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which	No	N/A	This site does not contain an affected facility. This regulation does not apply.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
	construction, modification or reconstruction commenced after August 23, 2011 and before September 18, 2015			
NSPS 40 CFR Part 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	This site does not contain an affected facility. This regulation does not apply.
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	EG-1 and FP-2	Emergency generator EG-1 as subject to NSPS Subpart IIII as it commenced construction after July 11, 2005 and was manufactured after April 1, 2006. Unit FP-2 is an existing unit which was reconstructed after June 12, 2006 and is Incorrectly listed in permit P117-R3 as being subject to NSPS JJJJ. This engine is a diesel-fired engine that uses compression ignition and should be subject to NSPS Subpart III instead. Unit FP-1 is not subject to NSPS III because it commenced construction prior to June 12, 2006 and has not been modified or reconstructed.
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	No	N/A	There are no spark ignited internal combustion engines at the facility; therefore, this regulation does not apply.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	This site does not contain an affected facility. This regulation does not apply.
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	This site does not contain an affected facility. This regulation does not apply.
NSPS 40 CFR 60, Subparts WWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	This site does not contain an affected facility. This regulation does not apply.
NESHAP	General Provisions	No	Units Subject	Applies if any other Subpart in 40 CFR 61 applies. There is one potentially applicable NESHAP. (See discussion of 40 CFR 61, part M below.)

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 61 Subpart A			to 40 CFR 61	
NESHAP 40 CFR 61 Subpart E	National Emission Standards for Mercury	No	N/A	The provisions of this subpart are applicable to those stationary sources which process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, and incinerate or dry wastewater treatment plant sludge
NESHAP 40 CFR 61 Subpart M	National Emission Standards for Asbestos	No	N/A	Although this standard does not apply to this facility under routine operating conditions, in the case of asbestos demolition, Subpart M would apply.
NESHAP 40 CFR 61 Subpart V	National Emission Standards for Equipment Leaks (Fugitive Emission Sources)	No	N/A	The provisions of this subpart apply to each of the following sources that are intended to operate in volatile hazardous air pollutant (VHAP) service: pumps, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, and control devices or systems required by this subpart. VHAP service means a piece of equipment either contains or contacts a fluid (liquid or gas) that is at least 10 percent by weight of VHAP. VHAP means a substance regulated under this subpart for which a standard for equipment leaks of the substance has been promulgated. Benzene is a VHAP (See 40 CFR 61 Subpart J). Not applicable as facility equipment does not operate in VHAP service.
MACT 40 CFR 63, Subpart A	General Provisions	Yes	Units Subject to 40 CFR 63	Applies if any other Subpart in 40 CFR 63 applies. 40 CFR 63 Subpart ZZZZ applies therefore this regulation applies.
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	No	N/A	This regulation establishes national emission standards for hazardous air pollutants from oil and natural gas production facilities. This facility is not subject to the requirements of 40 CFR 63 Subpart HH since it is a minor source for HAPs and is not equipped with any affected area sources as described pursuant to this MACT.
MACT 40 CFR 63 Subpart HHH		No	N/A	This facility is not subject to the requirements of 40 CFR 63 Subpart HHH since it is a minor source for HAPs and is not equipped with any affected area sources as described pursuant to this MACT.
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	No	N/A	This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and work practice standards. The facility is a minor source of HAP. This regulation does not apply.
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from coal- and oil-fired electric utility steam generating units (EGUs) as defined in §63.10042 of this subpart. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations. This site does not contain an affected facility. This regulation does not apply
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air	Yes	EG-1, FP-1, FP-	Unit FP-2 is an existing unit which was reconstructed after June 12, 2006. It is an emergency stationary RICE located at an area source of HAP emissions and eets the requirements of this subpart by meeting the requirements of NSPS IIII.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
	Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)		2, and LeRoi	Unit EG-1 is a new emergency RICE located at an area source of HAP emissions and meets the requirements of this subpart by meeting the requirements of NSPS IIII. Unit FP-1 is an existing emergency RICE located at an area source of HAP emissions and is subject to MACT ZZZZ, with a compliance deadline of October 19, 2013. ENG-1 is a non-road, non-stationary reciprocating internal combustion engine as defined in 40 CFR 1069.30 and MACT subpart ZZZZ does not apply to non-road, non-stationary reciprocating internal combustion engines located at a major source of hazardous air pollutants. The LeRoi portable air compressor engine is an existing emergency RICE located at an area source of HAP emissions and is subject to MACT ZZZZ.
40 CFR 64	Compliance Assurance Monitoring	No	N/A	Not applicable as facility has no units meeting the criteria of this part; specifically, no emissions units are controlled major sources.
40 CFR 68	Chemical Accident Prevention	Yes	Facility	This facility is a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under §68.115. This regulation applies.
Title IV – Acid Rain 40 CFR 72	Acid Rain	No	N/A	Not applicable as facility is not an Acid Rain Source.
Title IV – Acid Rain 40 CFR 73	Sulfur Dioxide Allowance Emissions	No	N/A	Not applicable as facility is not an Acid Rain Source.
Title IV-Acid Rain 40 CFR 75	Continuous Emissions Monitoring	No	N/A	Not applicable as facility is not an Acid Rain Source.
Title IV – Acid Rain 40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	No	N/A	Not applicable as facility is not an Acid Rain Source.
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	No	N/A	Western owns appliances containing CFCs but Western uses only certified technicians for the maintenance, service, repair, and disposal of appliances and maintains the appropriate records for this requirement. Note: Disposal definition in 82.152: Disposal means the process leading to and including: (1) The discharge, deposit, dumping or placing of any discarded appliance into or on any land or water; (2) The disassembly of any appliance for discharge, deposit, dumping or placing of its discarded component parts into or on any land or water; or (3) The disassembly of any appliance for reuse of its component parts. “Major maintenance, service, or repair means” any maintenance, service, or repair that involves the removal of any or all of the following appliance components: compressor, condenser, evaporator, or auxiliary heat exchange coil; or any maintenance, service, or repair that involves uncovering an opening of more than four (4) square inches of “flow area” for more than 15 minutes.

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.

Startup and shutdown procedures are either based on manufacturer's recommendations or based on Western's experience with specific equipment. These procedures are designed to proactively address the potential for malfunction to the greatest extent possible. These procedures dictate a sequence of operations that are designed to minimize emissions from the facility during events that result in shutdown and subsequent startup.

Equipment located at this facility is equipped with various safety devices and features that aid in the prevention of excess emissions in the event of an operational emergency. If an operational emergency does occur and excess emissions occur, Western will submit the required Excess Emissions Report as per 20.2.7 NMAC if any excess emissions occur beyond the requested total SSM/M emission limit. Corrective action to eliminate the excess emissions and prevent recurrence in the future will be undertaken as quickly as safety allows.

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.

N/A – No alternative operating scenarios proposed with this application.

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.	
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.	X
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.
☐ 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.

Modeling was submitted in 2015 as part of the application for NSR Permit 1313M6.

Section 17

Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

To show compliance with existing NSR permits conditions, you must submit a compliance test history. The table below provides an example.

The facility does not have compliance test requirements.

Section 19

Requirements for Title V Program

Do not print this section unless this is a Title V application.

Who Must Use this Attachment:

* Any major source as defined in 20.2.70 NMAC.
* Any source, including an area source, subject to a standard or other requirement promulgated under Section 111 - Standards of Performance for New Stationary Sources, or Section 112 Hazardous Air Pollutants, of the 1990 federal Clean Air Act ("federal Act"). Non-major sources subject to Sections 111 or 112 of the federal Act are exempt from the obligation to obtain an 20.2.70 NMAC operating permit until such time that the EPA Administrator completes rulemakings that require such sources to obtain operating permits. In addition, sources that would be required to obtain an operating permit solely because they are subject to regulations or requirements under Section 112(r) of the federal Act are exempt from the requirement to obtain an Operating Permit.
* Any Acid Rain source as defined under title IV of the federal Act. The Acid Rain program has additional forms. See www.env.nm.gov/air-quality/air-quality-title-v-operating-permits-guidance-page/. Sources that are subject to both the Title V and Acid Rain regulations are encouraged to submit both applications simultaneously.
* Any source in a source category designated by the EPA Administrator ("Administrator"), in whole or in part, by regulation, after notice and comment.

19.1 - 40 CFR 64, Compliance Assurance Monitoring (CAM) (20.2.70.300.D.10.e NMAC)

Any source subject to 40CFR, Part 64 (Compliance Assurance Monitoring) must submit all the information required by section 64.7 with the operating permit application. The applicant must prepare a separate section of the application package for this purpose; if the information is already listed elsewhere in the application package, make reference to that location. Facilities not subject to Part 64 are invited to submit periodic monitoring protocols with the application to help the AQB to comply with 20.2.70 NMAC. Sources subject to 40 CFR Part 64, must submit a statement indicating your source's compliance status with any enhanced monitoring and compliance certification requirements of the federal Act.

Based on information and belief formed after reasonable inquiry, Western states that the facility does not meet the applicability requirements of 40 CFR 64.2. Specifically, no sources at the facility are controlled major sources of regulated pollutants, and enhanced monitoring requirements are not applicable to this facility at this time. Western will submit the necessary documets should the facility or requirements change such that this requirement becomes applicable.

19.2 - Compliance Status (20.2.70.300.D.10.a & 10.b NMAC)

Describe the facility's compliance status with each applicable requirement at the time this permit application is submitted. This statement should include descriptions of or references to all methods used for determining compliance. This statement should include descriptions of monitoring, recordkeeping and reporting requirements and test methods used to determine compliance with all applicable requirements. Refer to Section 2, Tables 2-N and 2-O of the Application Form as necessary. (20.2.70.300.D.11 NMAC) For facilities with existing Title V permits, refer to most recent Compliance Certification for existing requirements. Address new requirements such as CAM, here, including steps being taken to achieve compliance.

As described in Section 13, and based on the information and belief formed after reasonable inquiry, Western believes that the Wingate Facility is in compliance with each requirement applicable to the facility.

19.3 - Continued Compliance (20.2.70.300.D.10.c NMAC)

Provide a statement that your facility will continue to be in compliance with requirements for which it is in compliance at the time of permit application. This statement must also include a commitment to comply with other applicable requirements as they come into effect during the permit term. This compliance must occur in a timely manner or be consistent with such schedule expressly required by the applicable requirement.

As described in Sections 13 and 19.2 and based on information and belief formed after reasonable inquiry, Western states that Wingate Facility will continue to be operated in compliance with applicable requirements for which it is in compliance as of the date of submittal of this application.

In addition, Western will meet additional applicable requirements that become effective during the permit term in a timely manner or on such a time schedule as expressly required by the applicable requirement. In the event that Western should discover new information affecting the compliance status of the facility, Western will make appropriate notifications and/or take corrective actions as appropriate.

19.4 - Schedule for Submission of Compliance (20.2.70.300.D.10.d NMAC)

You must provide a proposed schedule for submission to the department of compliance certifications during the permit term. This certification must be submitted annually unless the applicable requirement or the department specifies a more frequent period. A sample form for these certifications will be attached to the permit.

Condition B112.D of Operating Permit P117-R3 specifies that Western must submit compliance certification reports at least every 12 months. The last annual compliance certification report was submitted on September 29, 2023.

19.5 - Stratospheric Ozone and Climate Protection

In addition to completing the four (4) questions below, you must submit a statement indicating your source's compliance status with requirements of Title VI, Section 608 (National Recycling and Emissions Reduction Program) and Section 609 (Servicing of Motor Vehicle Air Conditioners).

1. Does your facility have any air conditioners or refrigeration equipment that uses CFCs, HCFCs or other ozone-depleting substances? ☒ Yes ☐ No

2. Does any air conditioner(s) or any piece(s) of refrigeration equipment contain a refrigeration charge greater than 50 lbs? ☐ Yes ☒ No

   (If the answer is yes, describe the type of equipment and how many units are at the facility.)

3. Do your facility personnel maintain, service, repair, or dispose of any motor vehicle air conditioners (MVACs) or appliances ("appliance" and "MVAC" as defined at 82. 152)? ☐ Yes ☒ No

4. Cite and describe which Title VI requirements are applicable to your facility (i.e. 40 CFR Part 82, Subpart A through G.)

Based on information and belief formed after reasonable inquiry, Western states that Title VI, Section 608 (National Recycling and Emissions Reduction Program) of the Clean Air Act may apply to this facility, as Western may own CFC-containing refrigeration equipment meeting the criteria of this Section, specifically, 40 CFR 82, Subpart F, which applies to owners of CFC-containing appliances (40 CFR 82.150 (b) and 40 CFR 82.152). Western may own appliances affected by this subpart, and complies with this regulation. Western is in compliance with the requirements of this section.

Western does not service motor vehicle air conditioners at this facility and therefore Section 609 does not apply.

The Wingate Facility will continue to be operated in compliance with the requirements of Title VI, Section 608 of the Clean Air Act as they apply to this facility.

19.6 - Compliance Plan and Schedule

Applications for sources, which are not in compliance with all applicable requirements at the time the permit application is submitted to the department, must include a proposed compliance plan as part of the permit application package. This plan shall include the information requested below:

A. Description of Compliance Status: (20.2.70.300.D.11.a NMAC)
A narrative description of your facility's compliance status with respect to all applicable requirements (as defined in 20.2.70 NMAC) at the time this permit application is submitted to the department.

B. Compliance plan: (20.2.70.300.D.11.B NMAC)
A narrative description of the means by which your facility will achieve compliance with applicable requirements with which it is not in compliance at the time you submit your permit application package.

C. Compliance schedule: (20.2.70.300D.11.c NMAC)
A schedule of remedial measures that you plan to take, including an enforceable sequence of actions with milestones, which will lead to compliance with all applicable requirements for your source. This schedule of compliance must be at least as stringent as that contained in any consent decree or administrative order to which your source is subject. The obligations of any consent decree or administrative order are not in any way diminished by the schedule of compliance.

D. Schedule of Certified Progress Reports: (20.2.70.300.D.11.d NMAC)
A proposed schedule for submission to the department of certified progress reports must also be included in the compliance schedule. The proposed schedule must call for these reports to be submitted at least every six (6) months.

E. Acid Rain Sources: (20.2.70.300.D.11.e NMAC)
If your source is an acid rain source as defined by EPA, the following applies to you. For the portion of your acid rain source subject to the acid rain provisions of title IV of the federal Act, the compliance plan must also include any additional requirements under the acid rain provisions of title IV of the federal Act. Some requirements of title IV regarding the schedule and methods the source will use to achieve compliance with the acid rain emissions limitations may supersede the requirements of title V and 20.2.70 NMAC. You will need to consult with the Air Quality Bureau permitting staff concerning how to properly meet this requirement.

NOTE: The Acid Rain program has additional forms. See www.env.nm.gov/air-quality/air-quality-title-v-operating-permits-guidance-page/. Sources that are subject to both the Title V and Acid Rain regulations are encouraged to submit both applications simultaneously.

Based on information and belief formed after reasonable inquiry and as described in Section 19.2, and with this filing, Western states that Wingate Facility is in compliance with applicable requirements. No compliance plan, compliance schedule, or compliance reports are required.

19.7 - 112(r) Risk Management Plan (RMP)

Any major sources subject to section 112(r) of the Clean Air Act must list all substances that cause the source to be subject to section 112(r) in the application. The permittee must state when the RMP was submitted to and approved by EPA.

The RMP for this facility was submitted to the EPA on 2/25/2015. Later on 4/13/2021, the facility de-registered from RMP due to switching into an indefinite idling operating mode. An RMP will be updated once the facility resumes to normal operations.

19.8 - Distance to Other States, Bernalillo, Indian Tribes and Pueblos

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 NMAC)?

(If the answer is yes, state which apply and provide the distances.)

States – Arizona, 23 miles.
Indian Reservations – Navajo Indian Reservation, 8 miles; Zuni Indian Reservation, 15 miles; Ramah Navajo Indian Reservation, 30 miles.
Local pollution control programs – Navajo Indian Reservation, 8 miles.

19.9 - Responsible Official

Provide the Responsible Official as defined in 20.2.70.7.AD NMAC:
Travis D. Beltz
El Paso Refinery
212 N. Clark Dr., El Paso, TX 79905
(915) 775-3454

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.

N/A – No other relevant information.

Section 22: Certification

Company Name: Western Refining Terminals

I, John Moore, 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 13 day of October, 2023, upon my oath or affirmation, before a notary of the State of

_____.

*Signature

10-13-23
Date

John Moore
Printed Name

Vice-President
Title

Scribed and sworn before me on this 13 day of October, 2023.

My authorization as a notary of the State of Texas expires on the

4th day of May, 2027.

Melissa M. Hutchinson
Notary's Signature

10-13-23
Date

Melissa M. Hutchinson
Notary's Printed Name

MELISSA M. HUTCHINSON
Notary Public, State of Texas
Comm. Expires 05-04-2027
Notary ID 134342344

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