

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

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

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

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

Acknowledgements:

- ☒ I acknowledge that a pre-application meeting is available to me upon request. ☒ Title V Operating, Title IV Acid Rain, and NPR applications have no fees.
- ☐ \$500 NSR application Filing Fee enclosed **OR** ☐ The full permit fee associated with 10 fee points (required w/ streamline applications).
- ☐ Check No.: N/A in the amount of N/A
- ☐ 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 and 20.2.70.404.C(1)(a) 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

Facility Name: Monument Gas Plant		AI # if known: 610	Updating Permit/NOI #: P110-R3
		Plant primary SIC Code (4 digits): 1321 Plant NAIC code (6 digits): 211112	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): From the intersection of Highway 8 and Monument Highway, travel west on Monument Highway for approximately 3.4 miles. The plant will be on the left.		
2	Plant Operator Company Name: Targa Midstream Services, LLC		Phone/Fax: (575) 631-7093 / (575) 396-7702

a	Plant Operator Address: PO Box 1689, Lovington, NM 88260	
b	Plant Operator's New Mexico Corporate ID or Tax ID: 1948249	
3	Plant Owner(s) name(s): Versado Gas Processors, LLC	Phone/Fax: (432) 688-0542 / (432) 688-0552
a	Plant Owner(s) Mailing Address(s): 6 Desta Drive, Suite 3300, Midland TX 79705	
4	Bill To (Company): Targa Midstream Services, LLC	Phone/Fax: (432) 688-0542 / (432) 688-0552
a	Mailing Address: PO Box 1689, Lovington, NM 88260	E-mail: CynthiaKlein@targaresources.com
5	☒ Preparer: Jaimy Karacaoglu ☒ Consultant: Trinity Consultants	Phone/Fax: (505) 266-6611
a	Mailing Address: 9400 Holly Avenue NE, Building 3, Suite B, Albuquerque, NM 87122	E-mail: jaimy.karacaoglu@trinityconsultants.com
6	Plant Operator Contact: Cynthia Klein	Phone/Fax: (432) 688-0542 / (432) 688-0552
a	Address: PO Box 1689, Lovington, NM 88260	E-mail: CynthiaKlein@targaresources.com
7	Air Permit Contact: Robert Andries	Title: Sr. Environmental Specialist
a	E-mail: randries@targaresources.com	Phone/Fax: (713) 584-1360
b	Mailing Address: 811 Louisiana Street, Ste 2100, Houston, TX 77002	
c	The designated Air permit Contact will receive all official correspondence (i.e. letters, permits) from the Air Quality Bureau.	

Section 1-B: Current Facility Status

1.a	Has this facility already been constructed? ☒ Yes ☐ No	1.b If yes to question 1.a, is it currently operating in New Mexico? ☒ Yes ☐ No
2	If yes to question 1.a, was the existing facility subject to a Notice of Intent (NOI) (20.2.73 NMAC) before submittal of this application? ☐ Yes ☒ No	If yes to question 1.a, was the existing facility subject to a construction permit (20.2.72 NMAC) before submittal of this application? ☒ Yes ☐ No
3	Is the facility currently shut down? ☐ Yes ☒ No	If yes, give month and year of shut down (MM/YY): N/A
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? ☒ Yes ☐ No	
5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? ☐ Yes ☐ No ☒ N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? ☒ Yes ☐ No	If yes, the permit No. is: P-110-R3M1
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: 0110-M11R7
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: 3.75 MMscf	Daily: 90 MMscf	Annually: 32,850 MMscf
b	Proposed	Hourly: 3.75 MMscf	Daily: 90 MMscf	Annually: 32,850 MMscf
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: 3.75 MMscf	Daily: 90 MMscf	Annually: 32,850 MMscf
b	Proposed	Hourly: 3.75 MMscf	Daily: 90 MMscf	Annually: 32,850 MMscf

Section 1-D: Facility Location Information

1	Latitude (decimal degrees): 32.6105°	Longitude (decimal degrees): -103.312139°	County: Lea	Elevation (ft): 3,579
2	UTM Zone: ☐ 12 or ☒ 13		Datum: ☐ NAD 83 ☒ WGS 84	
a	UTM E (in meters, to nearest 10 meters): 658,372 m		UTM N (in meters, to nearest 10 meters): 3,609,365 m	
3	Name and zip code of nearest New Mexico town: Monument, NM 88265			
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): From the intersection of Highway 8 and Monument Highway, travel west on Monument Highway for approximately 3.4 miles. The plant will be on the left.			
5	The facility is 2.8 (distance) miles west (direction) of Monument (nearest town).			
6	Land Status of facility (check one): ☒ Private ☐ Indian/Pueblo ☐ Government ☐ BLM ☐ Forest Service ☐ Military			
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: Municipalities: None; Indian Tribes: None; Lea			
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: Texas, 22km			
9	Name nearest Class I area: Carlsbad Caverns National Park			
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): 109.7 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: ~485m			
12	Method(s) used to delineate the Restricted Area: Fencing "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? N/A			

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

1	Facility maximum operating ($\frac{\text{hours}}{\text{day}}$): 24	($\frac{\text{days}}{\text{week}}$): 7	($\frac{\text{weeks}}{\text{year}}$): 52	($\frac{\text{hours}}{\text{year}}$): 8760
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start: N/A		☐ AM ☐ PM	End: N/A ☒ AM ☐ PM
3	Month and year of anticipated start of construction: Upon receipt of permit.			
4	Month and year of anticipated construction completion: Upon receipt of permit.			
5	Month and year of anticipated startup of new or modified facility: Upon receipt of permit.			
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: : TAR 0610-1701, TAR 0610-1801, & TAR-0610-1802
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a	If yes, NOV date or description of issue: NOV Date: TAR 0610-1701 – 7/17/2017, TAR 0610-1801 – 12/7/2018, TAR-0610-1802 – Not Received		NOV Tracking No: TAR 0610-1701, TAR 0610-1801, & TAR-0610-1802
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: <u>N/A</u> Commercial power is purchased from a commercial utility company, which specifically does not include power generated on site for the sole purpose of the user.		

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

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

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

1	Responsible Official (R.O.) (20.2.70.300.D.2 NMAC): Jimmy Oxford		Phone: (940) 220-2493
a	R.O. Title: Vice President Operations	R.O. e-mail: JOxford@targaresources.com	
b	R. O. Address: 401 North I-35 Suite 303, Denton, Texas, 76207		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): N/A		Phone: N/A
a	A. R.O. Title: N/A	A. R.O. e-mail: N/A	
b	A. R. O. Address: N/A		
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): Targa Resources, Inc.		
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.): Targa Resources, Inc.		
a	Address of Parent Company: 1000 Louisiana Street; Suite 4300, Houston, TX 77002		
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.): None.		
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations: Cindy Klein, (575) 631-7093.		
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: Yes; The facility is 22 km from Texas. No other states, local pollution control programs, or Indian tribes and pueblos are within 50 miles of Monument Gas Plant.		

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 bookform, 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 Jaimy Karacaoglu, Email jaimy.karacaoglu@trinityconsultants.com Phone number (505) 266-6611.

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 MS Word docs: Universal Application section 1 [UA1], Universal Application section 3-19 [UA3], and Universal Application 4, the modeling report [UA4]) and 1 Excel file of the tables (Universal Application section 2 [UA2]). Please include as many of the 3-19 Sections as practical in a single MS Word electronic document. Create separate electronic file(s) if a single file becomes too large or if portions must be saved in a file format other than MS Word.
- 4) The **electronic file names** shall be a maximum of 25 characters long (including spaces, if any). The format of the electronic Universal Application shall be in the format: "A-3423-FacilityName". The "A" distinguishes the file as an application submittal, as opposed to other documents the Department itself puts into the database. Thus, all electronic application submittals should begin with "A-". Modifications to existing facilities should use the **core permit number** (i.e. '3423') the Department assigned to the facility as the next 4 digits. Use 'XXXX' for new facility applications. The format of any separate electronic submittals (additional submittals such as non-Word attachments, re-submittals, application updates) and Section document shall be in the format: "A-3423-9-description", where "9" stands for the **section #** (in this case Section 9-Public Notice). Please refrain, as much as possible, from submitting any scanned documents as this file format is extremely large, which uses up too much storage capacity in our database. Please take the time to fill out the **header information** throughout all submittals as this will identify any loose pages, including the Application Date (date submitted) & Revision number (0 for original, 1, 2, etc.; which will help keep track of subsequent partial update(s) to the original submittal. Do not use special symbols (#, @, etc.) in file names. The footer information should not be modified by the applicant.

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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

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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 ² (Specify Units)	Date of Manufacture ²	Controlled by Unit #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CL, SL, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/ Reconstruction ²	Emissions vented to Stack #				
AM-01	Amine Unit	N/A	N/A	8263	90 MMscfd	90 MMscfd	N/A 1976	AGI AGI	31000305	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
T-01	Gas Turbines	Solar-Saturn	1200	OHC13-S6665	1,000 hp	1,000 hp	N/A 03/1970	N/A T-01-03	20200201	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
T-02	Gas Turbines	Solar-Saturn	1200	OHA18-S9539	1,000 hp	1,000 hp	N/A 06/1974	N/A T-01-03	20200201	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
T-03	Gas Turbines	Solar-Saturn	1200	OHC11-S7364	1,000 hp	1,000 hp	N/A 12/1982	N/A T-01-03	20200201	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
T-04	Gas Turbines	Solar-Saturn	1200	OHD16-S0849	1,000 hp	1,000 hp	N/A 06/1983	N/A T-04	20200201	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
C-01	Compressor Engine	Clark	RA-8	25894	800 hp	800 hp	N/A 1956	N/A C-01	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	2SLB	N/A
C-02	Compressor Engine	Clark	RA-8	25900	800 hp	800 hp	N/A 1956	N/A C-02	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	2SLB	N/A
C-04	Compressor Engine	Clark	RA-6	21222	600 hp	600 hp	N/A 1956	N/A C-04	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	2SLB	N/A
C-05	Compressor Engine	Clark	RA-6	A-21103	600 hp	600 hp	N/A 1956	N/A C-05	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	2SLB	N/A
C-06	Compressor Engine	Clark	RA-6	A-21102	600 hp	600 hp	N/A 1956	N/A C-06	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	2SLB	N/A
C-24	Compressor Engine	Clark	HRA-8	A-25850	880 hp	880 hp	N/A 1969	N/A C-24	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	2SLB	N/A
C-28	Compressor Engine	Cooper	GMVA-8	43620	1,100 hp	1,100 hp	N/A 1977	N/A C-28	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	2SLB	N/A
RC-28	Compressor Associated with C-28	-	-	-	-	-	- 2019	N/A -	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
C-40	Electric Compressor	TBD	TBD	TBD	3,000 hp	3,000 hp	est. 2021 TBD	N/A -	20200202	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
HB-01	Steam Boiler	Holman Superior	N/A	1543	6.7 MMBtu/hr	6.7 MMBtu/hr	N/A 1978	N/A HB-01	10200603	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
BMH-01	Molesieve Heater	Born	N/A	982	3.9 MMBtu/hr	3.9 MMBtu/hr	N/A 1997	N/A BMH-01	31000404	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
H-NO	Hot Oil Heater	Born	N/A	2092-A	30 MMBtu/hr	30 MMBtu/hr	N/A 1976	N/A H-NO	31000404	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A
H-SO	Hot Oil Heater	Born	N/A	2092	30 MMBtu/hr	30 MMBtu/hr	N/A 1976	N/A H-SO	31000404	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To Be Replaced	N/A	N/A

RH-01	Regeneration Gas Heater	Born	N/A	1820	16 MMBtu/hr	16 MMBtu/hr	N/A	N/A	31000404	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							1961	RH-01					
RH-02	Regeneration Gas Heater (Standby)	Thermoflux	N/A	7040	4 MMBtu/hr	4 MMBtu/hr	N/A	N/A	31000404	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							1997	RH-02					
F-01	Residue Flare (Plant Flare)	Callidus	NA	085501-B 703	Pilot/Purge 0.61 MMBtu/hr	Pilot/Purge 0.61 MMBtu/hr	2011	NA	30600904	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							2011	F-01					
F-02	Inlet Flare (Field Gas Flare)	Callidus	NA	A016436.7 01	Pilot/Purge 0.61 MMBtu/hr	Pilot/Purge 0.61 MMBtu/hr	2011	NA	30600904	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							2011	F-02					
F-03	Acid Gas Flare	John Zink	NA	9171337.00	Pilot/Purge 0.52 MMBtu/hr	Pilot/Purge 0.52 MMBtu/hr	2011	NA	30600904	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	NA
							2011	F-03					
T-MD	Tank	Unknown	Unknown	7433	500 bbl	500 bbl	Unknown	VRU	440400311	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	NA
							2005	T-MD					
T-SO	Tank	Unknown	Unknown	7457	500 bbl	500 bbl	Unknown	VRU	440400311	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	NA
							2005	T-SO					
T-NO	Tank	Unknown	Unknown	7456	500 bbl	500 bbl	Unknown	VRU	440400311	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	NA
							2005	T-NO					
CT	Cooling Tower	N/A	N/A	N/A	20,400 gpm	20,400 gpm	Unknown	N/A	30600701	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	NA
							Pre-2000	N/A					
FG-01*	Process Fugitives	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31088811	☐ Existing (unchanged) ☐ New/Additional ☒ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					
L-01	Condensate Loading and Unloading	N/A	N/A	N/A	438,800 bbl/yr	438,800 bbl/yr	N/A	N/A	40400250	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					
SLUG	Slug Catcher	N/A	N/A	185768-01-2	N/A	N/A	11/2015	N/A	31000211	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							11/2015	N/A					
PIG	Pig Receiver	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31000211	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					
Malf	Malfunction Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3108811	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					
SSM - CB	Startup, Shutdown and Maintenance - Compressor Blowdown to Atmosphere	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31088811	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					
SSM - PP	Startup, Shutdown and Maintenance - Pump Purging	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31088811	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					
SSM - VP	Startup, Shutdown and Maintenance - Vessel Purging	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31088811	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					
SSM - VRU	Startup, Shutdown and Maintenance - VRU Downtime	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31088811	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					
SSM - AGI	Startup, Shutdown and Maintenance - AGI Compressor Blowdown to Atmosphere	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31088811	☒ Existing (unchanged) ☐ New/Additional ☐ To Be Modified	☐ To be Removed ☐ Replacement Unit ☐ To be Replaced	N/A	N/A
							N/A	N/A					

SSM-SC	Startup, Shutdown and Maintenance - Slug Catcher Blowdown to Flare	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
							N/A	N/A				
SSM-Frac	Startup, Shutdown and Maintenance -De-ethanizer and De-propanizer Blowdown to Flare	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
							N/A	N/A				
FUG-Frac	Fugitive Emissions from De-ethanizer and De-propanizer System	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
							2017	N/A				
FUG-CS	Fugitive Emissions from Condensate Stabilizer	N/A	N/A	N/A	N/A	N/A	TBD	N/A	31088811	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
							TBD	N/A				
FUG-SC	Fugitive Emissions from Slug Catcher	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
							2016	N/A				
FUG-C28	Fugitive Emissions from C-28 Propane Service Change	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
							2016	N/A				
FUG-C40	Fugitive Emissions from C-40	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
							est. 2021	N/A				
FUG-AGC	Fugitive Emissions from Acid Gas Cooling	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
							est. 2021	N/A				
FUG-GSP	Fugitive Emissions from Gas Subcooled Processes	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
							est. 2021	N/A				
BE/BH-1	Dual-use diesel-fired emergency heater with built-in engine	Allmand	Maxi-Heat	TBD	1.0 MMBtu/hr (13.8 hp)	1.0 MMBtu/hr (13.8 hp)	TBD	N/A	1020505	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	CI	N/A
							N/A	N/A				
FUG-AM ⁵	Fugitive Emissions from Amine Scrubber Installation	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
							est. 05/2022	N/A				
FUG-ESD2 ⁶	Fugitive Emissions from Emergency Shutdown Component Additions	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
							est. 2022	N/A				
T-PW	Produced Sour Water Tank	Permian Tank & Manufacturing Co.	N/A	F55004	500 bbl	500 bbl	11/1/2013	N/A	40400312	☐ Existing (unchanged) ☐ To be Removed ☒ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	NA
							TBD	T-PW				

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 "Unit FUG-AM includes fugitive components associated with the addition of an amine scrubber.

⁶ "Unit FUG-ESD2 includes fugitive components associated with emergency shutdown system updates.

^{*} FG-01 includes emissions from FUG-CS, FUG-SC, FUG-Frac, FUG-C28, FUG-C40, FUG-AGC, FUG-GSP, FUG-AM, and FUG-ESD2 throughout this application. These fugitive emissions are accounted for separately in this table and in Section 13 for regulatory applicability purposes.

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

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 20.2.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.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.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²	For Each Piece of Equipment, Check One
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	
Haul Roads	Haul road activity associated with propane production	N/A	N/A	10	20.2.72.202.B.5	N/A	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	trucks/hr	IA List Item #1.a	N/A	
Haul Roads 2	Condensate Loading	N/A	N/A	N/A	20.2.72.202.B.5	N/A	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A	IA List Item #1.a	N/A	
N/A	Used Oil Tanks	Various	Unknown	Various	20.2.72.202.B.2	Unknown	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			Unknown	Various	IA List Item #5	Unknown	
N/A	Lube Oil Tanks	Various	Unknown	Various	20.2.72.202.B.2	Unknown	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			Unknown	Various	IA List Item #5	Unknown	
N/A	Antifreeze Tanks	Various	Unknown	Various	20.2.72.202.B.2	Unknown	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			Unknown	Various	IA List Item #5	Unknown	
N/A	Propane Pressure Tanks	Various	Unknown	Various	Not a Source	Unknown	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			Unknown	Various	IA List Item #1.a	Unknown	
N/A	AGI Electric Compressor	Ingersoll Rand	6 HOS 4	1500 hp	Not a Source	TBD	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			7/6/2112	1500 hp	IA List Item #1.a	TBD	
L-02	Propane Pressurized Loading	N/A	N/A	3000	20.2.72.202.B.5	N/A	☒ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	loads/yr	IA List Item #1.a	N/A	
							☐ 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.

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.

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

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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 ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
T-01 ²	12.40	54.20	4.50	19.80	0.89	3.90	0.51	2.22	0.25	1.09	0.25	1.09	0.25	1.09	0.0054	0.024	-	-
T-02 ²																		
T-03 ²																		
T-04	2.90	12.70	1.10	4.82	0.20	0.88	0.17	0.74	0.083	0.36	0.083	0.36	0.083	0.36	0.0018	0.0079	-	-
C-01	27.80	121.80	4.50	19.60	0.93	4.10	0.11	0.47	0.37	1.60	0.37	1.60	0.37	1.60	0.0011	0.0047	-	-
C-02	27.80	121.80	4.50	19.60	0.93	4.10	0.11	0.47	0.37	1.60	0.37	1.60	0.37	1.60	0.0011	0.0047	-	-
C-04	25.10	109.90	5.00	21.80	0.39	1.70	0.060	0.26	0.22	0.95	0.22	0.95	0.22	0.95	6.39E-04	0.0028	-	-
C-05	25.10	109.90	5.00	21.80	0.39	1.70	0.060	0.26	0.22	0.95	0.22	0.95	0.22	0.95	6.39E-04	0.0028	-	-
C-06	25.10	109.90	5.00	21.80	0.39	1.70	0.060	0.26	0.22	0.95	0.22	0.95	0.22	0.95	6.39E-04	0.0028	-	-
C-24	41.90	183.50	10.70	46.80	0.78	3.40	0.17	0.76	0.62	2.72	0.62	2.72	0.62	2.72	0.0018	0.0080	-	-
C-28	16.60	72.70	2.50	10.70	0.78	3.40	0.13	0.58	0.47	2.08	0.47	2.08	0.47	2.08	0.0014	0.0061	-	-
HB-01	1.10	4.82	0.23	1.00	0.037	0.16	4.79E-05	2.10E-04	0.051	0.22	0.051	0.22	0.051	0.22	9.57E-04	0.0042	-	-
BMH-01	0.39	1.71	0.33	1.43	0.021	0.094	0.052	0.23	0.030	0.13	0.030	0.13	0.030	0.13	5.57E-04	0.0024	-	-
H-NO	6.90	30.10	1.70	7.50	0.29	1.25	0.40	1.77	0.23	1.00	0.23	1.00	0.23	1.00	0.0043	0.019	-	-
H-SO	6.90	30.10	1.70	7.50	0.29	1.25	0.40	1.77	0.23	1.00	0.23	1.00	0.23	1.00	0.0043	0.019	-	-
RH-01 ³ RH-02 ³	3.70	16.21	0.92	4.05	0.15	0.67	0.22	0.94	0.12	0.53	0.12	0.53	0.12	0.53	0.0023	0.010	-	-
F-01 ⁴	0.083	0.36	0.16	0.72	-	-	0.0041	0.018	-	-	-	-	-	-	4.11E-06	1.80E-05	-	-
F-02 ⁴	0.083	0.36	0.16	0.72	-	-	0.0041	0.018	-	-	-	-	-	-	4.11E-06	1.80E-05	-	-
F-03 ⁴	0.083	0.36	0.16	0.72	-	-	0.0041	0.018	-	-	-	-	-	-	4.11E-06	1.80E-05	-	-
T-MD ⁵	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-SO ⁵	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-NO ⁵	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-PW	-	-	-	-	0.93	1.46	-	-	-	-	-	-	-	-	3.40E-05	6.42E-06	-	-
CT	-	-	-	-	-	-	-	-	4.88	21.38	2.85	12.48	0.011	0.046	-	-	-	-
FG-01**	-	-	-	-	*	78.09	-	-	-	-	-	-	-	-	0.057	0.250	-	-
L-01	-	-	-	-	-	7.10	-	-	-	-	-	-	-	-	-	-	-	-
Totals	223.94	980.42	48.17	210.37	7.38	114.95	2.46	10.79	8.35	36.55	6.32	27.66	3.48	15.22	0.08	0.37	-	-

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).

² Emissions from flare pilot and purge only are indicated in this section.

³ Unit RH-02, which is a standby for unit RH-01. The permit contains only those emissions from unit RH-01 since higher emissions are associated with this unit.

⁴ Emissions from flare pilot and purge only are indicated in this section.

⁵ Condensate tanks are continuously controlled by a VRU with 100% control efficiency. No steady-state VOC or H₂S emissions are allowed from these units.

**" Denotes that an emission limit is not appropriate for this unit and pollutant.

-" Denotes emissions of this pollutant are not expected.

** FG-01 includes fugitive emissions from the slug catcher (FUG-SC), backup VRU (FUG-VRU), condensate stabilizer (FUG-CS), fractionator (FUG-Frac), C-28 propane service change (FUG-C28), compressor C-40 (FUG-C40), Acid Gas Cooling (FUG-AGC), Gas Subcooled Processing (FUG-GSP), Amine Scrubber components (FUG-AM), and Emergency Shutdown updates (FUG-ESD2).

Note that fugitives associated with Gas Subcooled Processing are not in VOC service and are therefore not be subject to OOOOa LDAR monitoring.

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

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

All applications for facilities that have emissions during routine or predictable startup, shutdown or scheduled maintenance (SSM)¹, including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.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 ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
F-01 (Plant Shutdown to Plant Flare)	522.42	16.45	1042.95	32.83	100.59	3.10	3.06	0.11	-	-	-	-	-	-	0.033	0.0010	-	-
F-02 (Plant Shutdown to Inlet Flare) ³	631.03	1.97	1259.78	3.94	1063.16	2.36	6865.30	17.50	-	-	-	-	-	-	72.90	0.19	-	-
F-03 (AGI SSM to Acid Gas Flare and Plant Shutdown to Acid Gas Flare) ⁴	68.37	3.93	586.18	33.71	31.58	1.82	5817.53	334.51	-	-	-	-	-	-	61.90	3.56	-	-
PIG, SLUG	-	-	-	-	0.012	3.20E-04	-	-	-	-	-	-	-	-	6.70E-04	1.70E-05	-	-
Malf*	631.03	10.00	1259.78	10.00	1063.16	10.00	7022.63	10.00	-	-	-	-	-	-	74.62	5.00	-	-
SSM-PP	-	-	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-
SSM-VP	-	-	-	-	-	0.0097	-	-	-	-	-	-	-	-	-	1.98E-04	-	-
SSM-VRU**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSM-AGI	-	-	-	-	-	5.04E-04	-	-	-	-	-	-	-	-	-	-	-	-
SSM-SC	0.21	5.20E-04	0.42	0.0010	0.41	1.20E-04	0.92	0.0023	-	-	-	-	-	-	0.0098	2.45E-05	-	-
SSM-Frac	-	-	-	-	-	2.64	-	-	-	-	-	-	-	-	-	-	-	-
SSM-AGI-C2	-	-	-	-	0.15	0.0011	-	-	-	-	-	-	-	-	1.59E-04	1.10E-06	-	-
SSM-CB	-	-	-	-	-	0.14	-	-	-	-	-	-	-	-	-	0.0076	-	-
Totals⁵	1222.03	32.35	2889.33	80.47	1195.91	20.19	12686.82	362.12	-	-	-	-	-	-	134.85	8.76	-	-

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).

³ Emissions from slug catcher SSM will be routed to flare F-02. The flare is currently permitted for its maximum hourly capacity.

⁴ Emissions will normally be from AGI SSM to acid gas flare but this total includes plant shutdown to acid gas flare.

⁵ Totals are for information and are not enforceable. The three SSM events for Flare 3 cannot occur simultaneously because they represent a single acid gas source.

"*" Malfunction emissions may result with emissions from venting (VOC or H₂S emissions) or any of the flares (F-01, F02, and F-03 flare emissions of NOx, CO, VOC, SOx, and H₂S). Hourly malfunction emissions shown in the table above are emissions with the highest hourly emissions. **These malfunction emissions are not summed in the totals column since the malfunction unit will not be adding hourly emissions. The flares are already permitted at their max hourly rate.**

"**" A VRU and backup VRU are installed on the condensate tanks. There will be no downtime on the VRU's other than during malfunction.

"-" Denotes emissions of this pollutant are not expected.

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.

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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)			
T-01-03	T-01, T-02, T-03	Vertical	No	25	600.00	36.98	N/A	N/A	34.40	1.17
T4	T-04	Vertical	No	35	1000.00	37.31	N/A	N/A	34.70	1.17
C-01	C-01	Vertical	No	33	725.80	61.28	N/A	N/A	90.88	1.17
C-02	C-02	Vertical	No	33	725.80	61.28	N/A	N/A	90.88	1.17
C-04	C-04	Vertical	No	33	723.80	91.39	N/A	N/A	52.17	1.17
C-05	C-05	Vertical	No	33	723.80	91.39	N/A	N/A	52.17	1.17
C06	C06	Vertical	No	33	723.80	91.39	N/A	N/A	52.17	1.17
C-24	C-24	Vertical	No	70	568.00	600.83	N/A	N/A	85.00	3.00
C-28	C-28	Vertical	No	70	575.00	305.32	N/A	N/A	62.20	2.50
HB-01	HB-01	Vertical	No	25	756.00	61.28	N/A	N/A	57.00	1.17
BMH-01	BMH-01	Vertical	No	20	600.00	0.54	N/A	N/A	0.50	1.17
H-NO	H-NO	Vertical	No	70	600.00	752.27	N/A	N/A	47.30	4.50
H-SO	H-SO	Vertical	No	70	600.00	279.92	N/A	N/A	17.60	4.50
RH-01	RH-01	Vertical	No	35	600.00	221.17	N/A	N/A	17.60	4.00
RH-02	RH-02	Vertical	No	35	600.00	221.17	N/A	N/A	17.60	4.00
F-01	F-01	Vertical	No	130	1273.00	35.50	N/A	N/A	65.62	0.83
F-02	F-02	Vertical	No	130	1273.00	35.50	N/A	N/A	65.62	0.83
F-03	F-03	Vertical	No	150	1273.00	35.50	N/A	N/A	65.62	0.83

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		Formaldehyde ☒ 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
T-01-03	T-01, T-02, T-03	0.030	0.13	-	-														
T-04	T-04	0.010	0.044	-	-														
C-01	C-01	0.67	2.96	0.40	1.73														
C-02	C-02	0.67	2.96	0.40	1.73														
C-04	C-04	0.51	2.22	0.30	1.30														
C-05	C-05	0.51	2.22	0.30	1.30														
C-06	C-06	0.51	2.22	0.30	1.30														
C-24	C-24	0.74	3.25	0.44	1.91														
C-28	C-28	0.51	2.24	0.32	1.39														
HB-01	HB-01	0.012	0.054	-	-														
BMH-01	BMH-01	0.0072	0.032	-	-														
H-NO	H-NO	0.055	0.24	-	-														
H-SO	H-SO	0.055	0.24	-	-														
RH-01	RH-01	0.029	0.13	-	-														
F-01	F-01	-	-	-	-														
F-02	F-02	-	-	-	-														
F-03	F-03	-	-	-	-														
T-MD	T-MD	-	-	-	-														
T-SO	T-SO	-	-	-	-														
T-NO	T-NO	-	-	-	-														
T-PW	T-PW	2.13E-02	3.84E-03	-	-														
CT	CT	-	-	-	-														
FG-01 ¹	FG-01 ¹	*	0.45	-	-														
L-01	L-01	1.44	1	-	-														
Totals:		5.78	20.38	2.44	10.67														

"-" Denotes emissions of this pollutant are not expected.

"*" Denotes that an emission limit is not appropriate for this unit and pollutant.

¹ FG-01 includes fugitive emissions from the slug catcher (FUG-SC), backup VRU (FUG-VRU), condensate stabilizer (FUG-CS), fractionator (FUG-Frac), C-28 propane service change (FUG-C28), compressor C-40 (FUG-C40), Acid Gas Cooling (FUG-AGC), Gas Subcooled Processing (FUG-GSP), Amine Scrubber components (FUG-AM), and Emergency Shutdown updates (FUG-ESD2).

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
T-01	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	12.6 Mscf	110 MMscf	5 grains total sulfur/100 scf	N/A
T-02	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	12.6 Mscf	110 MMscf	5 grains total sulfur/100 scf	N/A
T-03	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	12.6 Mscf	110 MMscf	5 grains total sulfur/100 scf	N/A
T-04	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	12.6 Mscf	110 MMscf	5 grains total sulfur/100 scf	N/A
C-01	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	7.6 Mscf	66.4 MMscf	5 grains total sulfur/100 scf	N/A
C-02	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	7.6 Mscf	66.4 MMscf	5 grains total sulfur/100 scf	N/A
C-04	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	4.5 Mscf	39.2 MMscf	5 grains total sulfur/100 scf	N/A
C-05	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	4.5 Mscf	39.2 MMscf	5 grains total sulfur/100 scf	N/A
C-06	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	4.5 Mscf	39.2 MMscf	5 grains total sulfur/100 scf	N/A
C-24	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	12.8 Mscf	112.5 MMscf	5 grains total sulfur/100 scf	N/A
C-27	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	12.8 Mscf	112.5 MMscf	5 grains total sulfur/100 scf	N/A
C-28	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	9.8 Mscf	86.1MMscf	5 grains total sulfur/100 scf	N/A
HB-01	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	6.7 Mscf	58.7 MMscf	5 grains total sulfur/100 scf	N/A
BMH-01	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	3.9 Mscf	34.2 MMscf	5 grains total sulfur/100 scf	N/A
H-NO	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	30 Mscf	262.8 MMscf	5 grains total sulfur/100 scf	N/A
H-SO	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	30 Mscf	262.8 MMscf	5 grains total sulfur/100 scf	N/A
RH-01	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	16 Mscf	140 MMscf	5 grains total sulfur/100 scf	N/A
RH-02	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	4 Mscf	35 MMscf	5 grains total sulfur/100 scf	N/A
F-01	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	605 scf	5.3 MMscf	5 grains total sulfur/100 scf	N/A
F-02	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	605 scf	5.3 MMscf	5 grains total sulfur/100 scf	N/A
F-03	Pipeline Quality Natural Gas	Residue Gas	1,000 Btu/scf	520 scf	4.6 MMscf	5 grains total sulfur/100 scf	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.

[illegible]

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	
Note: 1.00 bbl = 0.159 M ³ = 42.0 gal					MG: Medium Gray	
					BL: Black	
					OT: Other (specify)	

Note: $1.00 \text{ bbl} = 0.159 \text{ M}^3 = 42.0 \text{ gal}$

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

[illegible]

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.

[illegible]

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

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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 ₂ O ton/yr	CH ₄ ton/yr	SF ₆ ton/yr	PFC/HFC ton/yr ²										Total GHG Mass Basis ton/yr ⁴	Total CO ₂ e ton/yr ⁵
Unit No.	GWP _s ¹	1	298	25	22,800	footnote 3											
T-01, T-02, T-03	mass GHG	6,433.74	0.012	0.12												6,433.87	
	CO ₂ e	6,433.74	3.61	3.03													6,440.39
T-04	mass GHG	6,433.74	0.012	0.12												6,433.87	
	CO ₂ e	6,433.74	3.61	3.03													6,440.39
C-01	mass GHG	3,884.10	0.0073	0.073												3,884.18	
	CO ₂ e	3,884.10	2.18	1.83													3,888.11
C-02	mass GHG	3,884.10	0.0073	0.073												3,884.18	
	CO ₂ e	3,884.10	2.18	1.83													3,888.11
C-04	mass GHG	2,290.56	0.0043	0.043												2,290.60	
	CO ₂ e	2,290.56	1.29	1.08													2,292.92
C-05	mass GHG	2,290.56	0.0043	0.043												2,290.60	
	CO ₂ e	2,290.56	1.29	1.08													2,292.92
C-06	mass GHG	2,290.56	0.0043	0.043												2,290.60	
	CO ₂ e	2,290.56	1.29	1.08													2,292.92
C-24	mass GHG	6,579.64	0.012	0.12												6,579.78	
	CO ₂ e	6,579.64	3.70	3.10													6,586.44
C-28	mass GHG	5,035.16	0.0095	0.095												5,035.27	
	CO ₂ e	5,035.16	2.83	2.37													5,040.36
HB-01	mass GHG	3,432.81	0.0065	0.065												3,432.88	
	CO ₂ e	3,432.81	1.93	1.62													3,436.36
BMH-01	mass GHG	1,998.20	0.0038	0.038												1,998.24	
	CO ₂ e	1,998.20	1.12	0.94													2,000.27
H-NO	mass GHG	15,370.79	0.029	0.29												15,371.11	
	CO ₂ e	15,370.79	8.63	7.24													15,386.67
H-SO	mass GHG	15,370.79	0.029	0.29												15,371.11	
	CO ₂ e	15,370.79	8.63	7.24													15,386.67
RH-01	mass GHG	8,197.76	0.015	0.15												8,197.93	
	CO ₂ e	8,197.76	4.60	3.86													8,206.22
RH-02	mass GHG	2,049.44	0.0039	0.039												2,049.48	
	CO ₂ e	2,049.44	1.15	0.97													2,051.56
SLUG2	mass GHG	0.042	-	0.88												0.93	
	CO ₂ e	0.042	-	22.12													22.16
F-01	mass GHG	12,839.82	0.031	90.38												12,930.24	
	CO ₂ e	12,839.82	9.37	2,259.54													15,108.74
F-02	mass GHG	1,566.37	0.0030	6.65												1,573.02	
	CO ₂ e	1,566.37	0.88	166.27													1,733.52
F-03	mass GHG	19,937.20	0.051	127.30												20,064.56	
	CO ₂ e	19,937.20	15.10	3,182.54													23,134.85
T-PW	mass GHG	0.095	-	1.57												1.66	
	CO ₂ e	0.095	-	39.23													39.33
Total	mass GHG	119,885.47	0.25	228.40												120,114.11	
	CO ₂ e	119,885.47	73.39	5,710.01													125,668.87

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 CO₂e means Carbon Dioxide Equivalent and is calculated by multiplying the TPY mass emissions of the green house gas by its GWP.

Company Name

Facility Name

Application Date:

Revision #

Read & delete this
comment:

Change Log – Do not submit this page with your application.

If you are using a form older than the most current form posted on the website, you are required to incorporate Periodically, AQB will announce when older form versions will no longer be accepted.

Version Date	Changes Incorporated
Table 2-A – 5/3/2016	8/11/2022: The Change Log was added. The dates for each tables's last update are listed.
Table 2-B – 7/8/2011	
Table 2-C – 7/8/2011	
Table 2-D – 6/14/2019	
Table 2-E – 6/14/2019	7/14/2023: Inserted active check boxes, changed font to calibri for all tables.
Table 2-F – 6/14/2019	
Table 2-G – 5/29/2019	
Table 2-H – 11/18/2016	
Table 2-I – 10/9/2014	
Table 2-J – 9/20/2016	
Table 2-K – 7/8/2011	
Table 2-L – 7/8/2011	
Table 2-M – 7/8/2011	
Table 2-N – 7/8/2011	
Table 2-O – 7/8/2011	
Table 2-P – 5/3/2016	

the changes listed.

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 Monument Gas Plant (Monument) is owned by Versado Gas Processors, LLC and operated by Targa Midstream Services, LLC (Targa) and is located in Lea County, New Mexico. The facility is currently authorized to operate under NSR Permit No. 0110-M11R7 and Title V Operating Permit No. P110-R3M1. Monument Gas Plant processes natural gas through inlet separation, dehydration, acid gas removal, and separation of methane from natural gas liquids. With this application, Targa seeks to renew the current Title V permit, P-110-R3M1. This Title V renewal application is being submitted within twelve months of the current Title V permit expiration date of April 12, 2025, in accordance with 20.2.70.300.B.2. NMAC.

Targa is also submitting this application pursuant to 20.2.70.404.C.(1) NMAC, which requires a Title V Significant Permit Modification application within twelve (12) months after commencing operation. Targa is submitting a Title V significant Permit Modification application so that the Title V Permit will incorporate changes to the facility that were incorporated in the following NSR Permits: 0110-M11R6 and 0110-M11R7. Below is a discussion of the updates made in these NSR revision applications.

NSR Permit 0110-M11R6 Revisions

The following are changes made in the application for NSR Permit 0110-M11R6:

- Permit increased fugitive component emissions (Unit FUG-ESD2) with updates to the emergency shutdown system authorized in NSR 01100-M11R2 (Unit FG-1).
- Permit an amine scrubber (FUG-AM).

NSR Permit 0110-M11R7 Revisions

The following are changes made in the application for NSR Permit 0110-M11R7:

- Permit one produced water storage tank (Unit T-PW).
- The water storage tank VOC emissions are calculated to be less than 6 tpy and therefore not subject to OOOOa.

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 for this facility is attached to this section.

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 for this facility is attached.

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.

Heaters

Emissions of NO_x, CO, VOC, particulates, and greenhouse gases from the heaters were calculated using emission factors from EPA AP-42 4th Edition Tables 1.4-1 and 1.4-2 or EPA AP-42 5th Edition Tables 1.4-1 and 1.4-2. It was assumed that TSP = PM₁₀ = PM_{2.5}. SO₂ emissions are based on the 5 grains of S/100scf. HAP emissions were calculated using GRI-HAPCalc 3.01.

Engines

For the engines, are based on stack test data with a safety factor was used to determine NO_x, CO, and VOC emissions. SO₂ emissions are based on the 5 grains of S/100scf. Particulate emissions were based on AP-42 factors. For all engines, HAPS were calculated using GRI-HAPCalc.

Cooling Towers (Unit CT)

Particulate emissions from the cooling towers were calculated using AP-42 Section 13.4 methodology and incorporating particle size distribution and drift mass assumptions from technical studies on cooling towers. The cooling tower water is measured as having a total dissolved solids concentration of 2,049 mg/L. As a conservative measure, calculations were performed using total dissolved solids concentration of 2,500 mg/L. Particle size distribution of the drift mass is based on information from the Frisbie study attached in Section 7. The percentage of drift mass leaving the site is conservatively estimated to be 100%.

Unit SSM-SC – Slug Catcher Blowdown to Flare

Emissions from venting of the slug catcher were estimated based on the volume of the slug catcher. As a conservative estimate, it was assumed that the system contains 100% gas. Emissions were estimated based on 1 blowdown per year and 5 hours for the event to be complete. The gas is sent to the inlet flare, Flare 2. The inlet gas analysis used in this calculation is dated 8/7/2015. The inlet flare is currently permitted at its maximum hourly flaring capacity. The addition of the slug catcher will not increase the hourly flaring emission rate. The controlled VOC emissions from slug catcher blowdown to the flare are shown in this calculation. Only annual emissions from the flare will be increasing.

Upset/Malfunction Emissions (Unit SSM/M)

Targa has elected to implement Section 2.d. of the "Implementation Guidance for Permitting SSM Emissions and Excess Emissions". Targa requests the malfunction emissions shown in Table 2 below in addition to the calculated SSM emissions.

Table 2 – Malfunction Emissions Requested						
Facility-Wide Emissions	NO _x (tpy)	CO (tpy)	VOC (tpy)	SO ₂ (tpy)	TSP/ PM ₁₀ / PM _{2.5} (tpy)	H ₂ S (tpy)
Total Malfunction Emissions	10	10	10	10	-	5

Fugitives associated with VRU (unit FUG-VRU)

The fugitive emissions associated with the addition of the backup VRU were calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. As a conservative measure, the weight % VOC, HAP, and H₂S in the stream is assumed as 100%, 10% and 5% respectively.

De-Ethanizer and De-Propanizer Blowdowns to Atmosphere (Unit SSM-Frac)

Emissions from atmospheric blowdowns of the de-ethanizer and de-propanizer system were estimated by calculating the volume of gas in the system. Each blowdown event is assumed to be completed in 1 hour and there will be 4 blowdown events per year.

Propane Fractionation Fugitive Emissions (Unit FUG-Frac)

The fugitive emissions associated with the propane fractionation system were calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. As a conservative measure, the weight % VOC in the stream is assumed as 100%.

Pressurized Liquid Loading Emissions (Unit L-02)

Losses from pressurized loading occur when the line between the pressurized tank and tank-truck is disconnected. Emissions were estimated using the Ideal Gas Law to calculate VOC emissions.

Condensate Stabilizer Fugitive Emissions (FUG-CS)

The fugitive emissions associated with the addition of the condensate stabilizer were calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. As a conservative measure, the weight % VOC, HAP, and H₂S in the stream is assumed as 100%, 10% and 5% respectively.

Condensate Loading (L-1)

Vapor losses from condensate loading were calculated based on methodology from AP-42 Section 5.2. Vapor pressure and molecular weight are based on a ProMax run. Loading emissions are controlled by vapor balancing. Per AP-42 Section 5.2, a collection efficiency of 98.7 percent (a 1.3 percent leakage rate) should be assumed for trucks passing the NSPS-level annual test (3 inches pressure change). The trucks at the facility will be passing the NSPS-level annual test.

Plant Shutdown to Flares

Targa plant shutdown records and flare design capacities were used to determine an annual flow rate and blowdown volume to each flare. A 15% safety factor was added to this blowdown volume. Representative gas analyses for each flare were used to calculate emissions of SO₂, H₂S, and VOC. A 98% destruction efficiency of H₂S and VOC and a 1:1 molar ratio conversion of H₂S to SO₂ was assumed. It was assumed that there will be two blowdowns per flare per year, plus six AGI compressor blowdowns per year for Flare 3.

Plant shutdown emissions to Flare F-03 represent an alternative SSM scenario in addition to previously permitted F-03 SSM emissions. The two Flare F-03 SSM activities (plant shutdown and AGI SSM to flare) cannot occur simultaneously. Total annual emissions represent a sum of the emissions from these three activities. Total hourly emissions represent the highest hourly emission rate.

AGI System Flaring (Units F-03 AGI SSM to Acid Gas Flare)

Emissions from the AGI system consist primarily of use of plant flare, F-03; other emissions units are negligible sources of emissions. When the AGI is inoperable, as for maintenance or during upset conditions, acid gas will be flared for limited periods at the plant flare. The plant flare is used for flaring during startup, shutdown, maintenance and upset conditions.

The expected composition and maximum expected volumes of the acid gas are used as the basis of the flaring calculations. The acid gas is expected to be relatively low heat content, so assist gas sufficient to raise the heat content of the flared gas may be added. RG-109 flare emission factors for low Btu gas are used to calculate NO_x and CO emission rates. VOC, H₂S, and SO₂ emissions are calculated based on the VOC and H₂S content of the acid gas. Calculations for AGI flaring conditions at varying assist gas contents.

As a conservative measure, the SO₂ composition is based on a 100% molar conversion of H₂S to SO₂. NO_x and CO emissions for both scenarios are calculated using RG-109 emission factors. VOC emissions are calculated from the VOC volume fraction of the inlet gas to the flare, the specific volume of the VOC fraction of the inlet gas, and an assumed 98% destruction efficiency.

Short term emissions are based on the assumed hourly maximum flaring volume and H₂S and heat content of the gas. Long term emissions of H₂S and SO₂ are defined by an envelope bounded by the H₂S concentration and flare gas annual volume with assist gas. Long-term emissions are calculated based on the worst-case SSM hours and maximum volume and H₂S and heat content.

NO_x and CO emissions from the flare are directly proportional to the heat released in flaring, which in turn is the product of the volume of flared gas and the heat content of the gas. Similarly, VOC emissions are directly proportional to the VOC content of the flared gas, which is the product of the VOC content of the gas and volume of flared gas. In a like manner, SO₂ emissions are proportional to volume of gas and H₂S content. All emission calculations include gas volume as one of the parameters.

SO₂ emissions are dependent on the H₂S content of the acid gas being flared; if there is no H₂S, there are no SO₂ emissions. Similarly, VOC emissions are dependent on the VOC content of the gas; however, VOC emissions from the flare will be much lower than SO₂ emissions because flaring destroys VOCs while it simply changes H₂S into SO₂.

By comparison, NO_x and CO emissions are dependent on the heat content and volume of the gas being flared, and only indirectly on H₂S and VOC content. Targa will add assist gas, where needed, to increase the heat content of the gas to best case combustion. A variety of calculations at varying fractions of assist gas are provided to show the dispersion parameters.

Note that the assist gas volume added will be dependent on the acid gas volume. Assist gas volume is calculated for acid gas volumes from 1.75 and 3.5 MMscf/d. Calculated assist gas volumes are as follows:

	Table 3. Assist Gas Volumes	
	Acid Gas	Assist Gas
Scenario	MMscfd	MMscfd
1	3.5	25
2	1.75	19

Extreme Cold Emergency Heater (Unit BE/BH-1) – Insignificant per IA List Item #1.a

Emissions from one dual-use diesel-fired emergency heater with a built-in engine, throughout the plant and will be limited to operating 500 hours per year. Emissions were estimated using EPA Tier IV diesel engines and AP-42 emission factors. These emissions are insignificant per IA List Item #1.a.

Fugitives Associated with Additional Components Installation (Unit: FG-01; FUG-GSP)

The emissions from fugitive components associated with this project are calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. Representative gas analyses for the inlet gas, residue gas, and NGLs are used.

Pump Purging SSM Emissions (SSM-PP)

The emissions from Pump Purging are calculated using manufacturer specifications, component molecular weights, and estimated volumes of gas purged. A representative analysis for NGLs is utilized in the calculations.

Pressurized Propane Loadout (L-02) – Insignificant per IA List Item #1.a

Losses from pressurized loading occur when the line between the pressurized tank and tank-truck is disconnected. Emissions were estimated using the Ideal Gas Law to calculate VOC emissions. These emissions are insignificant per IA List Item #1.a.

Haul road activity associated with propane production (Haul Roads) – Insignificant per IA List Item #1.a

Emissions from paved haul roads associated with propane production were calculated using constants from AP-42 Table 13.2.1-1 and the methodology outlined in AP-42 13.2.1. These emissions are insignificant per IA List Item #1.a.

Fugitives Associated with Additional Components Installation (Unit FG-01; FUG-AGC)

The emissions from fugitive components associated with this project are calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. A recent site gas analysis for the acid gas stream is utilized in the calculations. The H₂S in the analysis has been increased as a conservative measure to represent the highest expected H₂S% that the facility will handle, consistent with past applications.

Fugitives Associated with Additional Components Installation (Unit FG-01)

The emissions from fugitive components associated with this project are calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. A representative gas analysis for each gas stream, consistent with past applications, are utilized in the calculations.

Fugitives Associated with Residue Compressor C-40 (Unit FG-01; FUG-C40)

The emissions from fugitive components associated with the new compressor are calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. The weight percent of VOC, HAP, and H₂S (gas) used in the calculations is based on the Residue Gas analysis dated 8/21/18.

SSM Emissions Associated with Residue Compressor C-40 (Unit SSM-CB)

SSM emissions associated with this project will result from blowdowns of the new compressor unit. The majority of

these emissions will be captured and routed to processes vessels for control; however, a portion of the residue gas used to blowdown the unit will be released to the atmosphere. These emissions are accounted for under unit SSM-CB and are calculated based on anticipated number of blowdowns per year, the duration of each blowdown, the expected volume of gas to be released with each event, and the mass fraction VOC in the residue gas.

Acid Gas Flare (Unit F-03 SSM)

Emissions from the AGI system consist primarily of use of plant flare, F-03; other emissions units are negligible sources of emissions. When the AGI is inoperable, as for maintenance, facility shutdown or during upset conditions, acid gas will be flared for limited periods at the plant flare. The plant flare is used for flaring during startup, shutdown, maintenance and upset conditions.

The expected composition and maximum expected volumes of the acid gas are used as the basis of the flaring calculation. The acid gas is expected to be relatively low heat content, so assist gas sufficient to raise the heat content of the flared gas may be added. The VOC emission calculation for this unit has been adjusted to account for the volume of assist gas expected to be flared (25 MMSCFD).

RG-109 flare emission factors for low Btu gas are used to calculate NO_x and CO emission rates. VOC, H₂S, and SO₂ emissions are calculated based on the VOC and H₂S content of the acid gas. As a conservative measure, the SO₂ composition is calculated assuming a 100% molar conversion of H₂S to SO₂. An assumed 98% destruction efficiency is applied to the VOC and H₂S emissions.

Various operating scenarios based on several different combinations of flowrates (1.75 -3.5 MMSCFD) and H₂S concentrations (12– 24 mole percent) were evaluated to determine the maximum emitting scenario. The highest emitting scenario (3.5 MMSCFD, 24 mole percent) was used as the basis for the emissions calculations relied up for the proposed permit limitations. However, based on the variability of inlet gases and operating conditions, Targa's acid gas flow and composition will fluctuate. The calculation in this section is based on 3.5 MMSCFD at a 24 mole percent of H₂S.

Fugitives Associated with Redundant AGI Compressor (Unit FG-01)

The emissions from fugitive components associated with the redundant compressor are calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. The gas analyses used in the calculations are based on analyses from the site. To be conservative since the unit will be blowdown with residue gas during SSM events, the VOC content from the residue gas was used in the calculations. The H₂S concentration from the acid gas analysis was used for the H₂S emissions.

SSM Emissions Associated with Redundant AGI Compressor (Unit SSM-AGI-C2)

SSM emissions associated with this project will result from blowdowns of the compressor unit. The majority of these emissions will be routed to the acid gas flare for control (which is accounted in the above flare calculation); however, a portion of the residue gas used to blowdown the unit will be released to the atmosphere. These emissions are accounted for under unit SSM-AGI-C2 and are calculated based on anticipated number of blowdowns per year, the duration of each blowdown, the expected volume of gas to be released with each event, and the mass fraction VOC in the residue gas.

Emissions affected by the NSR Permit changes are detailed in this section. All facility emission calculations are included and labeled Unchanged, Updated or New in this section.

NSR Permit 0110-M11R6 Revisions:**Fugitives Associated with Additional Components Installation (Unit: FG-01)**

The emissions from fugitive components associated with this project are calculated using emission factors from Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995. The most recent available analyses for the associated gas and liquids streams are utilized in the calculations.

NSR Permit 0110-M11R7 Revisions:**Produced Water Tank (Unit: T-PW)**

The produced water emissions were calculated based on BR&E ProMax output.

Section 6.a

Green House Gas Emissions

(Submitting under 20.2.70, 20.2.72 20.2.74 NMAC)

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

Calculating GHG Emissions:

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

Sources for Calculating GHG Emissions:

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

Global Warming Potentials (GWP):

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

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

Metric to Short Ton Conversion:

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

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

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.

External Combustion Devices (Heaters and Reboiler)

- AP-42 4th Edition Tables 1.4-1 and 1.4-2
- EPA AP-42 5th Edition Tables 1.4-1 and 1.4-2
- GRI-HAPCalc 3.01

Engines

- GRI-HAPCalc 3.01
- Stack Tests
- AP-42 Section 3.2 Table

Turbines

- Stack Tests
- AP-42 Section 3.1-1 Table

Cooling Towers (Unit CT)

- AP-42 Section 13.4
- Portions of Frisbie paper

Slug Catcher Blowdown to Flare (Unit SSM-SC)

- Inlet gas analysis 8/7/2015

Startup, Shutdown, and Maintenance (SSM) – NMED Guidance

Flares (Units F-01, F-02, F-03)

- TNRCC RG-109
- EPA's Table 13.5-1

Fugitives Associated with Duplicate VRU (FUG-VRU and FUG-CS)

- Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995

Condensate Loading (L-1)

- AP-42 Section 5.2
- ProMax output

AGI System Flaring (Units F-03 AGI SSM to Acid Gas Flare)

- TNRCC RG-109

Fugitives Associated with Propane Fractionation (FUG-Frac)

- Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995

Slug Catcher Blowdown to Flare (Unit SSM-SC)

- Inlet gas analysis 8/7/2015

Title V Operating Permit No. P-110-R3M1 Significant Modification:

- **Fugitives Associated with Additional Components Installation (Unit FG-01; FUG-GSP)**
 - Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995
 - Residue gas analysis dated 4/17/2012
 - NGLs gas analysis dated 7/14/2021
 - Inlet gas analysis dated 8/21/2018
- **Pump Purging SSM Emissions (Unit SSM-PP)**
 - Manufacturer Specifications
 - NGLs gas analysis dated 7/14/2021
- **Pressurized Propane Loadout (Unit L-02) – Insignificant per IA List Item #1.a**
 - Ideal gas law
- **Haul road activity associated with propane production (Haul Roads) – Insignificant per IA List Item #1.a**
 - AP-42 13.2.1 Paved Roads
- **Fugitives Associated with Additional Components Installation (Unit FG-01; FUG-AGC)**
 - Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995
 - Facility Acid Gas Analysis dated 8/18/2020
- **Fugitives Associated with Additional Components Installation (Unit FG-01)**
 - Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995

NSR Permit 0110-M11R6 Revisions:*Fugitives Associated with Additional Components Installation (Unit: FG-01)*

- Table 2-4 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995
- The most recent site-specific analyses available for each gas and liquids stream.

NSR Permit 0110-M11R7 Revisions:*Produced Water Tank (Unit: T-PW)*

- The produced water emissions were calculated based on BR&E ProMax output, represented as SV-103 on the attached model.

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 of the facility is included in this section.

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")

☒ **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.
-

This application is being submitted pursuant to 20.2.70 NMAC; therefore, public notice is not required.

Section 10

Written Description of the Routine Operations of the Facility

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

The function of the facility is to process natural gas through inlet separation, dehydration, acid gas removal and cooling, and separation of methane from natural gas liquids. The natural gas and natural gas liquid products are delivered to sales pipelines and the separated condensate is loaded into tank trucks for transport.

Field natural gas entering the plant is sent through an inlet separator designed to remove entrained solids and dissolved liquids from the field gas stream. Condensate from the inlet is stabilized, separated and stored prior to loadout via truck. The condensate can also bypass the stabilizer and be stored prior to loadout via truck. The loading emissions are controlled by vapor balancing. Working and breathing losses and flash losses from the tanks are controlled by a VRU and a backup VRU.

Once the field gas passes through the inlet separator it is routed to the inlet compressors to increase the pressure of the gas. The stream is then sent to an amine treater for the purpose of removing carbon dioxide and hydrogen sulfide entrained in the field gas stream. Emissions from the amine still overheads are routed to the AGI well or the emergency acid gas flare. After the amine treating, the field gas is then sent to a dehydration system for the purpose of removing water from the gas stream. The dry pipeline quality residue gas (consisting of primarily methane) from the top of the de-methanizer tower is sent to the suction header of the residue gas compressors. The residue gas is then compressed up to a pressure high enough for delivery into a high pressure and low-pressure natural gas (sales) pipeline.

The NGLs which exit the bottom of the de-methanizer tower will be sent to the de-ethanizer tower and then to de-propanizer tower. These distillation columns will be used to separate the propane from the NGLs. The propane that is produced will be transported from the facility by pressurized truck.

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.

☒ **Yes** ☐ **No**

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

☒ **Yes** ☐ **No**

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

☒ **Yes** ☐ **No**

C. Make a determination:

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

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 RELEVANT TO YOUR FACILITY'S NOTICE OF INTENT OR PERMIT.

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

Table for State Regulations:

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	Yes	Facility	20.2.3 NMAC is a SIP approved regulation that limits the maximum allowable concentration of Total Suspended Particulates, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. The facility meets maximum allowable concentrations of the TSP, SO ₂ , H ₂ S, NO _x , and CO under this regulation.
20.2.7 NMAC	Excess Emissions	Yes	Facility	This regulation establishes requirements for the facility if operations at the facility result in any excess emissions. The owner or operator will operate the source at the facility having an excess emission, to the extent practicable, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions. The facility will also notify the NMED of any excess emission per 20.2.7.110 NMAC.
20.2.23 NMAC	Fugitive Dust Control	No for permitted facilities, possible for NOIs	Facility	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 facility does not have existing gas burning equipment having a heat input of greater than 1,000,000 million British Thermal Units per year per unit. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.33.108 NMAC.
20.2.34 NMAC	Oil Burning Equipment: NO ₂	No	N/A	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. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.34.108 NMAC.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	No	N/A	This regulation establishes sulfur emission standards for natural gas processing plants. The facility meets the definition of a new natural gas processing plant under this regulation and is subject to the requirements of this regulation [20.2.35.7 (B) NMAC]. The facility meets requirements under 20.2.35.110(B).

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	N/A	N/A	There are no tanks or tank batteries that meet the storage capacity and weekly throughput requirements that would trigger this requirement. [20.2.38.109 NMAC] [20.2.38.110 NMAC] [20.2.38.111 NMAC] [20.2.38.112 NMAC].
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	N/A	N/A	This regulation establishes sulfur emission standards for sulfur recovery plants which are not part of petroleum or natural gas processing facilities. This regulation does not apply to the facility because it is superseded by 20.2.35 NMAC.
20.2.50 NMAC	Oil and Gas Sector – Ozone Precursor Pollutants	Yes	T-01 through T-04, C-01 through C-06, C-24, C-28, FG-01, F-01 through F-03, H-NO, H-SO, L-01, PIG.	This regulation establishes emission standards for volatile organic compounds (VOC) and oxides of nitrogen (NOx) for oil and gas production, processing, compression, and transmission sources. 20.2.50 NMAC subparts: 113 – This facility has natural gas-fired spark ignition engines and turbines. The facility will comply with this regulation. 114 – This facility has reciprocating compressors. Thus, this facility is subject to this subpart. The owner will comply with this subpart as stated in the 20.2.50.114.B(4). 115 – The control devices and closed vent systems at this facility are used to comply with the requirements of this rule; therefore, they are subject to the requirements of this rule. 116 – This facility will have equipment leaks and fugitive emissions. Thus, it will comply with this regulation. 117 –N/A—This facility is a natural gas plant. Thus, it is not subject to this rule. 118 –N/A—There are no glycol dehydrators at this facility. Thus, this regulation is not applicable to the facility. 119 – H-NO and H-SO have maximum capacity greater than 20 MMBtu/hr. Thus, this facility is subject to this subpart. 120 – This facility will truck out more than 13 times a year and is therefore subject to this subpart. 121 – This facility has pig launching and receiving. Therefore, this facility is subject to this subpart. 122 – This facility is subject to this subpart and will comply with this subpart as stated in 20.2.50.122.B(3) Table-2. 123 –N/A—The produced water tank (Unit: T-PW) has PTE less than 2 tpy maximum allowable VOC emissions. Thus, it is not subject to this subpart. 124 –N/A—This facility is a natural gas plant. Thus, it is not subject to this rule. 126 –N/A—This facility does not contain a produced water management unit. 127 –N/A—This facility is a natural gas plant. Thus, it is not subject to this rule.

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.)
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	Stationary Combustion Equipment	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). Equipment at this was subject to the repealed regulation 20.2.37 NMAC and it is now subject to 20.2.61 NMAC.
20.2.70 NMAC	Operating Permits	Yes	Facility	This regulation establishes requirements for obtaining an operating permit. The facility is a major source for NOx, CO, VOC, and SO2. The facility has an operating permit P110-R3 to meet the requirements of this regulation.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	This regulation establishes a schedule of operating permit emission fees. The facility is subject to 20.2.70 NMAC and is therefore subject to requirements of this regulation. The facility will meet all fee requirements under 20.2.71.110 NMAC.
20.2.72 NMAC	Construction Permits	Yes	Facility	This regulation establishes the requirements for obtaining a construction permit. The facility is a stationary source that has potential emission rates greater than 10 pounds per hour or 25 tons per year of any regulated air contaminant for which there is a National or New Mexico Air Quality Standard. The facility has a construction permit (NSR Permit) 0110-M11R7 to meet the requirements of this regulation.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	This regulation establishes emission inventory requirements. The facility meets the applicability requirements of 20.2.73.300 NMAC. The facility will meet reporting all applicable reporting requirements under 20.2.73.300.B.1 NMAC.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	Yes	Facility	This regulation establishes requirements for obtaining a prevention of significant deterioration permit. The facility is an existing PSD major source. The facility is PSD major for NOx, CO, and SO2. The facility has not undergone a major modification and therefore does not currently require a PSD permit. 20.2.74.200.7.AG(5) The fugitive emissions of a stationary source shall not be included in determining for any of the purposes of this section whether it is a major stationary source, unless the source belongs to one of the stationary source categories found in Table 1 of this Part (20.2.74.501 NMAC) or any other stationary source category which, as of August 7, 1980, is being regulated under section 111 or 112 of the Act.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	This regulation establishes a schedule of operating permit emission fees. The facility is subject to 20.2.72 NMAC and is therefore subject to requirements of this regulation.
20.2.77 NMAC	New Source Performance	Yes	Units subject to 40 CFR 60	This regulation establishes state authority to implement new source performance standards (NSPS) for stationary sources. The facility is subject to this regulation because it is a natural gas processing plant subject to NSPS Subpart A and Subpart KKK. Turbine Unit T-04 is subject to NSPS GG since it has a heat input capacity greater than 10 MMBtu/hr and commenced construction after October 3, 1977. [40 CFR Part 60.330(a)]. Turbine Unit T-03 is subject to NSPS GG but exempt from the standards for nitrogen oxides requirements under 40 CFR Part 60.330(a). This exemption is pursuant to 40 CFR Part 60.332(e). Turbines T-01 and T-02 are not subject to the requirements of NSPS GG as they were constructed prior to October 3, 1977. [40 CFR Part 60.330(b)] 40 CFR 60 Subpart OOOO applies to fugitive leaks from the slug catcher (FUG-SC), and condensate stabilizer (FUG-CS). The fugitive emissions associated with the propane refractionation system are subject to this regulation. Compressor unit RC-28 is subject to NSPS OOOOa.

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.)
				The fugitives associated with the C-40 compressor are not subject to NSPS OOOOa monitoring as the VOC content will never exceed 10.0 percent by weight per 60.5400a(f). Unit C-40 is a reciprocating compressor and is subject to NSPS OOOOa 60.5385a per 60.5365a(a)(c). The fugitives associated with the redundant acid gas cooling are not subject to NSPS OOOOa as the VOC content does not exceed 10.0 percent by weight per 60.5400a(f). The fugitives in NGL service associated with the emergency shutdown systems have been evaluated and determined to be subject to NSPS OOOOa fugitive requirements under 60.5400a. These are the components to be added to the refractionation section of the plant, which is already subject to OOOOa. Fugitive components associated with the Amine Scrubber are subject to NSPS OOOOa based on the results of Capital Expenditure calculations. The fugitive components associated with this facility in Residue Gas and Acid Gas service will not be subject to NSPS OOOOa as the VOC content will never exceed 10.0 percent by weight per 60.5400a(f).
20.2.78 NMAC	Emission Standards for HAPS	No	Units Subject to 40 CFR 61	This regulation establishes state authority to implement emission standards for hazardous air pollutants subject to 40 CFR Part 61. This facility does not emit hazardous air pollutants which are subject to the requirements of 40 CFR Part 61 and is therefore not subject to this regulation.
20.2.79 NMAC	Permits – Nonattainment Areas	No	Facility	This regulation establishes the requirements for obtaining a nonattainment area permit. The facility is not located in a non-attainment area and therefore is not subject to this regulation.
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 all stacks at the facility follow good engineering practice.
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	Units Subject to 40 CFR 63	This regulation established state authority to implement MACT Standards for source categories of HAPS. The facility is a major source of HAPS but all engines at the facility are existing 2-stroke lean burn engines located at a major source of HAPS and constructed before December 19, 2002. There are no requirements under 40 CFR Part 63 Subpart ZZZZ for engines at the facility per 40 CFR Part 63.6590(b)(3).

Table for Applicable Federal Regulations:

Federal Regulation Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 50	NAAQS	Yes	Facility	This regulation defines national ambient air quality standards. The facility meets all applicable national ambient air quality standards for NOx, CO, SO2, H2S, PM10, and PM2.5 under this regulation.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	Units subject to 40 CFR 60	This regulation defines general provisions for relevant standards that have been set under this part. The facility is subject to this regulation because 40 CFR Part 60 Subpart GG (Applies to T-03 and T-04) and Subpart KKK apply (Applies to lines, valves, flanges, and fittings). 40 CFR 60 Subpart OOOOa applies to fugitive leaks from the slug catcher (FUG-SC), backup VRU (FUGVRU), condensate stabilizer (FUG-CS), FUG-C28 and the fugitive emissions associated with the propane refractionation system. The Unit C-40 compressor is in dedicated residue gas service and subject to NSPS OOOOa per 60.5365a(a)(c); however, the fugitives associated with the C-40

Federal Regulation Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification:
				compressor are not subject to NSPS OOOOa as the VOC content will never exceed 10.0 percent by weight per 60.5400a(f). The fugitives associated with the redundant acid gas cooling are not subject to NSPS OOOOa as the VOC content does not exceed 10.0 percent by weight per 60.5400a(f). The fugitives in NGL service associated with the emergency shutdown systems have been evaluated and determined to be subject to NSPS OOOOa fugitive requirements under 60.5400a. These are the components to be added to the refractionation section of the plant, which is already subject to OOOOa. Fugitive components associated with the Amine Scrubber installation will be subject to NSPS OOOOa based on the results of Capital Expenditure calculations. The fugitive components associated with this facility in Residue Gas and Acid Gas service will not be subject to NSPS OOOOa as the VOC content will never exceed 10.0 percent by weight per 60.5400a(f). Produced Sour Water Tank (T-PW) has PTE less than 6 tpy VOC. Therefore, T-PW is not subject to 40 CFR Part 60, Subpart OOOOa.
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 because the facility does not operate any electric utility steam generating units.
NSPS 40 CFR60.40b Subpart Db	Electric Utility Steam Generating Units	No	N/A	This regulation establishes standards of performance for industrial-commercial-institutional steam generating units. This regulation does not apply because the facility does not operate any industrial-commercial-institutional steam generating units with a heat capacity greater than 100 MMBtu/hr.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	No	N/A	This regulation establishes standards of performance for small industrial-commercial-institutional steam generating units. Heaters HB-01, BMH-01, and RH-02 all have a capacity of less than 10 MMBtu/hr and are therefore not subject to this regulation. Heaters H-NO, H-SO and RH-01 commenced construction prior to 1989 and are therefore not subject to this regulation.
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	This regulation establishes performance standards for storage vessels for petroleum liquids for which construction, reconstruction, or modification commenced after May 18, 1978, and prior to July 23, 1984. The tanks at the facility are three 500 bbl (21,000 gallons). The capacities of the tanks at the facility are less than 40,000 gallons and are not subject to this regulation. [40 CFR Part 60.110a(a)].

Federal Regulation Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification:
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	Yes	T-SO, T-NO, and T-MD	This regulation establishes performance standards for volatile organic liquid storage vessels (including petroleum liquid storage vessels) for which construction, reconstruction, or modification commenced after July 23, 1984. The hydrocarbon tanks (T-SO, T-NO, and T-MD) at the facility have a capacity of 500 bbl (21,000 gallons or 79.5 m³) and each has true vapor pressure greater than 15 kPa. Thus, T-SO, T-NO, and T-MD tanks are subject to this regulation. The produced water tank (Unit: T-PW) is greater than 75 m³ and less than 151 m³ storing a liquid with a maximum true vapor pressure less than 15 kPa. Therefore, this regulation does not apply.
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	Yes	T-03, T-04	This regulation establishes standards of performance for stationary gas turbines with a heat input at a peak load equal to or greater than 10 MMBtu/hr based on the lower heating value of the fuel fired and have commenced construction, modification, or reconstruction after October 3, 1977. Turbine Unit T-04 is subject to 40 CFR Part 60 Subpart GG since it has a heat input capacity greater than 10 MMBtu/hr and commenced construction after October 3, 1977. [40 CFR Part 60.330(a)]. Turbine Unit T-03 is subject to 40 CFR Part 60 Subpart GG but exempt from the standards for nitrogen oxides requirements under 40 CFR Part 60.330(a). This exemption is pursuant to 40 CFR Part 60.332(e). Turbines T-01 and T-02 are not subject to the requirements of 40 CFR Part 60 Subpart GG as they were constructed prior to October 3, 1977. [40 CFR Part 60.330(b)]
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	Yes	Lines, valves, flanges, and fittings as defined in Subpart KKK	This regulation defines standards of performance for equipment leaks of VOC emissions from onshore natural gas processing plants for which construction, reconstruction, or modification commenced after January 20, 1984, and on or before August 23, 2011. The facility is an affected facility (onshore natural gas processing plant) for which construction, reconstruction, or modification commenced after January 20, 1984. All equipment (each pump, pressure relief device, open-ended valve, 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 for compressors (defined in 40 CFR Part 60.631) within the process unit is an affected facility.
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO₂ Emissions	No	N/A	This regulation establishes standards of performance for SO ₂ emissions from onshore natural gas processing for which construction, reconstruction, or modification of the amine sweetening unit commenced after January 20, 1984, and on or before August 23, 2011. The facility is not subject to this regulation as the amine sweetening unit was constructed before January 20, 1984.
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction, modification or reconstruction commenced after August 23, 2011	No	N/A	The rule applies to "affected" facilities that are constructed, modified, or reconstructed after Aug 23, 2011 (40 CFR 60.5365): gas wells, including fractured and hydraulically refractured wells, centrifugal compressors, reciprocating compressors, pneumatic controllers, certain equipment at natural gas processing plants, sweetening units at natural gas processing plants, and storage vessels.

Federal Regulation Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification:
	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	Yes	AGI-C2, FUG-SC, FUG-CS, FUG-Frac, FUG-C28, FUG-VRU, RC-28, C-40	Subpart OOOOa was published in the Federal Register Volume 81, Number 107, on Friday, June 3, 2016. Subpart OOOOa applies to owners and operators of natural gas wells, centrifugal compressors, reciprocating compressors, pneumatic controllers, storage vessels, natural gas sweetening units, pneumatic pumps, and fugitive emissions which commence construction, modification, or reconstruction after September 18, 2015. Each of the reciprocating compressors, sweetening unit, pneumatic controllers, pneumatic pumps and storage vessels were constructed prior to September 18, 2015, and are, therefore, not subject to Subpart OOOOa. The fugitive emissions associated with the NGL fractionation plant (Unit FUG-Frac), Condensate stabilizer (FUG-CS), FUG-SC, FUG-C28, and RC-28 are subject to NSPS OOOOa since they were constructed after the applicability date of September 18, 2015. The facility is subject to 60.5365a(f). The fugitives associated with the C-40 compressor are not subject to NSPS OOOOa as the VOC content will never exceed 10.0 percent by weight per 60.5400a(f). Unit C-40 is a reciprocating compressor and is subject to NSPS OOOOa 60.5385a per 60.5365a(a)(c). The fugitives associated with the redundant acid gas cooling are not subject to NSPS OOOOa as the VOC content does not exceed 10.0 percent by weight per 60.5400a(f). The fugitives in NGL service associated with the emergency shutdown systems have been evaluated and determined to be subject to NSPS OOOOa fugitive requirements under 60.5400a. These are the components to be added to the refractionation section of the plant, which is already subject to OOOOa. Fugitive components associated with the Amine Scrubber are subject to NSPS OOOOa based on the results of Capital Expenditure calculations. The fugitive components associated with this facility in Residue Gas and Acid Gas service will not be subject to NSPS OOOOa as the VOC content will never exceed 10.0 percent by weight per 60.5400a(f). Produced Sour Water Tank (T-PW) has PTE less than 6 tpy VOC. Therefore, TPW is not subject to 40 CFR Part 60, Subpart OOOOa.
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	N/A	This regulation establishes standards of performance for stationary compression ignition combustion engines. The engines at this facility are not compression ignition combustion engines. This regulation does not apply.
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	No	N/A	This regulation establishes standards of performance for stationary spark ignition combustion engines. The facility is not subject to this regulation because engines (C-01, C-02, C-04, C-05, C-06, C-24, and C-28) were constructed prior to June 12, 2006, and have not been modified or reconstructed since June 12, 2006 [40 CFR Part 60.4230(a)(5)].

Federal Regulation Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification:
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	This regulation establishes standards of performance for greenhouse gas emissions for electric generating units. This facility does not have electric generating units. 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 regulation establishes emissions guidelines for greenhouse gas emissions and compliance times for electric generating units. This facility does not have electric generating units. 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 facility is not a municipal solid waste landfill. This regulation does not apply.
NESHAP 40 CFR 61 Subpart A	General Provisions	No	Units Subject to 40 CFR 61	NSPS 40 CFR 61 does not apply to the facility because the facility does not emit or have the triggering substances on site and/or the facility is not involved in the triggering activity. The facility is not subject to this regulation. None of the subparts of Part 61 apply to the facility.
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 V	National Emission Standards for Equipment Leaks (Fugitive Emission Sources)	No	N/A	This regulation establishes national emission standards for equipment leaks (fugitive emission sources). The facility does not have equipment that operates in volatile hazardous air pollutant (VHAP) service [40 CFR Part 61.240]. The regulated activities subject to this regulation do not take place at this facility. The facility is not subject to this regulation.
MACT 40 CFR 63, Subpart A	General Provisions	Yes	Units Subject to 40 CFR 63	This regulation defines general provisions for relevant standards that have been set under this part. The facility is subject to this regulation because 40 CFR Part 63 Subpart ZZZZ applies to all engines [40 CFR 63.1(b)(1)(ii) Subpart ZZZZ].
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. The facility is a major is a major source of HAPs and meets the definition of a natural gas processing plant. The tanks at the facility do have the potential for flash emissions but do not have an actual annual average hydrocarbon liquid throughput equal to or greater than 79,500 liters. The tanks at the facility do not meet the definition of storage a storage vessel with the potential for flash emissions under 40 CFR 63.761 and are therefore not subject to this regulation. The facility does not have any affected units under this regulation.
MACT 40 CFR 63 Subpart HHH	National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities	No	N/A	This regulation establishes national emission standards for hazardous air pollutants from natural gas transmission and storage facilities. This regulation does not apply because this facility is not a natural gas transmission or storage facility as defined in this regulation [40 CFR Part 63.1270(a)].

Federal Regulation Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification:
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 regulation establishes national emission standards for hazardous air pollutants for major industrial, commercial, and institutional boilers and process heaters. The facility does not contain the affected units. 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 regulation establishes national emission standards for hazardous air pollutants from coal and oil-fired electric utility steam generating units. The facility does not contain the affected units. This regulation does not apply.
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)	Yes	All RICE	This regulation defines national emissions standards for HAPs for stationary reciprocating Internal Combustion Engines. The facility is a major source of HAPs but all engines at the facility are existing 2-stroke lean burn engines located at a major source of HAPs and constructed before December 19, 2002. There are no requirements under 40 CFR Part 63 Subpart ZZZZ for engines at the facility per 40 CFR Part 63.6590(b)(3).
40 CFR 64	Compliance Assurance Monitoring	Yes	AM-01, F-03	This regulation defines compliance assurance monitoring. Emission from the amine unit (Unit AM-01) at the facility is subject to a CAM plan. The unit has potential pre-controlled device emissions of an applicable regulated pollutant required for a source to be classified as a major source [40 CFR 64.2(a)(3)]. The control devices for the amine unit at the facility are the AGI well (Unit AGI) and the acid gas flare (Unit F-03).
40 CFR 68	Chemical Accident Prevention	Yes	N/A	The facility is an affected facility as it uses quantities of flammable process chemicals such as propane which has threshold quantity of 10,000 lb per Table 3 to 40 CFR Part 68.130. The facility has quantities of propane and other chemicals which are above the threshold and must maintain a current RMP. The facility maintains a current RMP for these chemicals.
Title IV – Acid Rain 40 CFR 72	Acid Rain	No	N/A	This part establishes the acid rain program. This part does not apply because the facility is not covered by this regulation [40 CFR Part 72.6].
Title IV – Acid Rain 40 CFR 73	Sulfur Dioxide Allowance Emissions	No	N/A	This regulation establishes sulfur dioxide allowance emissions for certain types of facilities. This part does not apply because the facility is not the type covered by this regulation [40 CFR Part 73.2].
Title IV-Acid Rain 40 CFR 75	Continuous Emissions Monitoring	No	N/A	The provisions of this part apply to each affected unit subject to Acid Rain emission limitations or reduction requirements for SO ₂ or NO _x . The facility is not an acid rain source and is therefore not subject to this application.
Title IV – Acid Rain 40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	No	N/A	This regulation establishes an acid rain nitrogen oxides emission reduction program. This regulation applies to each coal-fired utility unit that is subject to an acid rain emissions limitation or reduction requirement for SO ₂ . This part does not apply because the facility does not operate any coal-fired units [40 CFR Part 76.1].

Federal Regulation Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification:
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	No	N/A	This regulation establishes a regulation for protection of the stratospheric ozone. The regulation is not Applicable because the facility does not “service”, “maintain” or “repair” class I or class II appliances nor “disposes” of the appliances [40 CFR Part 82.1(a)].

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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- ☒ **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 performed according to guidelines which dictate proper procedural sequence to minimize emissions from the facility during such activities.

Equipment located at the plant are equipped with various safety devices that aid in preventing excess emissions to the atmosphere in the event of an operational emergency. In the event of a malfunction, startup, shutdown, or scheduled maintenance in which emission rates from the facility exceed permitted allowables, Targa will notify the AQB in accordance with 20.2.7 NMAC and the equipment responsible for the exceedance will be repaired as soon as possible.

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.

Targa is also permitting an alternate operating scenario for the condensate at the facility. In NSR 0110-M8, Targa permitted the condensate stabilizer and the condensate loading emissions were based on an RVP of 10. Targa, is permitting the ability to bypass the condensate stabilizer. To be conservative, Targa is basing the loadout emissions (L-01) on condensate that is not stabilized which is increasing the RVP from 10 psi to 30 psi. Targa will be using a vapor balance to control the loading. Per AP-42 Section 5.2 (Transportation and Marketing of Petroleum Liquid), a collection efficiency of 98.7 percent (a 1.3 percent leakage rate) should be assumed for trucks passing the NSPS-level annual test (3 inches pressure change). The trucks at the facility pass the NSPS-level annual test (3 inches pressure change).

The cryogenic GSP will operate in both recovery and rejection modes at the facility. A trim reboiler (hot oil user) associated with the system will be installed and operated only during rejection mode. In recovery mode the trim reboiler will be blocked in. In rejection mode when the trim reboiler is in service, hot oil will be redirected to it from the deethanizer reboiler. The deethanizer reboiler will not be needed as the demethanizer will be acting as a deethanizer. Emissions in excess of those requested with this application are not expected in either rejection or recovery modes. Any reportable emissions events will be disclosed to the agency.

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.

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.

Compliance Test History Table

Unit No.	Test Description	Test Date
C-01	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A201B.	Unit was down
C-02	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A201B.	6/14/2023
C-04	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A201B.	Unit was down
C-05	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A201B.	6/14/2023
C-06	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A201B.	6/14/2023
C-24	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A201B.	6/15/2023
C-28	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A201B.	6/16/2023
H-NO	Tested in accordance with EPA test methods by NORDON Corporation for Title V permit P-110 condition 3.4.1.10 Initial Tests for Heaters and Title V permit P-110R2 A204A.	4/29/2021
H-SO	Tested in accordance with EPA test methods by NORDON Corporation for Title V permit P-110 condition 3.4.1.10 Initial Tests for Heaters and Title V permit P-110R2 A204A.	4/29/2021
T-01	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A205A.	6/13/2023
T-02	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A205A.	6/13/2023
T-03	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A205A.	6/13/2023
T-04	Tested using portable emission analyzer in accordance with Title V permit P110-R3M1 condition A205A.	6/14/2023

Section 19

Requirements for Title V Program

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 a 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.

Emission from the amine unit (Unit AM-01) and condensate loading (Unit L-01) at the facility are subject to a CAM plan. The units have potential pre-controlled device emissions of an applicable regulated pollutant required for a source to be classified as a major source [40 CFR 64.2(a)(3)]. The control devices for the amine unit at the facility are the AGI well (Unit AGI) and the acid gas flare (Unit F-03). The control for the condensate loading is vapor balance service. A CAM plan for amine unit (AM-01) and condensate loading (L-01) is attached to this section.

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.

Based on information and belief formed after reasonable inquiry, Targa believes that the Monument Gas Plant is in compliance with each applicable requirement identified in Section 13. In the event that Targa should discover new

information affecting the compliance status of the facility, Targa will make appropriate notifications and/or take corrective actions.

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 Section 19.2 and based on information and belief formed after reasonable inquiry, Targa states that Monument Gas Plant 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, Targa 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 Targa should discover new information affecting the compliance status of the Monument Gas Plant, Targa 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.

Compliance certification will be submitted annually as required by Title V Permit P110-R3M1, Condition A109.B.

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.)
-

Any comfort refrigeration systems are maintained and serviced by registered technicians per 40 CFR Part 82. Therefore, the requirements of Title VI, Sections 608 and 609 of the Clean Air Act are not applicable to the Monument Gas Plant.

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, Targa states that Monument Gas Plant is in compliance with applicable requirements. No compliance plan, compliance schedule, or compliance reports are required.

In addition, based on information and belief formed after reasonable inquiry Targa states that Monument Gas Plant is not an acid rain source as defined at 40 CFR 72.6.

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 facility is an affected facility as it uses quantities of flammable process chemicals such as propane which has a threshold quantity greater than 10,000 lb per Table 3 to 40 CFR Part 68.130. The facility has quantities of propane and other flammable chemicals which are above the threshold and must maintain a current RMP. The facility maintains a current RMP for these chemicals. The current RMP for the facility was submitted to the EPA for approval on 4/17/2019.

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.)

Yes, the facility is 22 km from Texas.

19.9 - Responsible Official

Provide the Responsible Official as defined in 20.2.70.7.AD NMAC:

R.O. : Jimmy Oxford

R.O. Title: Vice President Operations

R.O. Address: 401 North I-35 Suite 303, Denton, Texas, 76207

R.O. Phone: (713) 220-2493

R.O. Email: JOxford@targaresources.com

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.

There is no other relevant information.

Section 22: Certification

Company Name: Targa Midstream Services, LLC

I, Jimmy Oxford, 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 ____ day of _____, _____, upon my oath or affirmation, before a notary of the State of

_____.

*Signature

Date

Printed Name

Title

Scribed and sworn before me on this ____ day of _____, _____.

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

_____ day of _____, _____.

Notary's Signature

Date

Notary's Printed Name

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