



9400 Holly Ave NE, Bldg 3, Ste 300, Albuquerque, NM 87122 / P 505.266.6611 / trinityconsultants.com

May 29, 2020

Mr. Ted Schooley
Permit Programs Manager
NMED Air Quality Bureau
525 Camino de los Marquez Suite 1
Santa Fe, NM 87505-1816

*RE: Application for Significant Revision to NSR Permit 0067-M9R2
Targa Midstream Services LLC; Eunice Gas Plant*

Dear Mr. Schooley:

On behalf of Targa Midstream Services LLC, we are submitting an application for a Significant Revision to NSR Permit 0067-M9R2 for Eunice Gas Plant. This application is being submitted to authorize the increase of condensate at the facility. Targa is submitting this application pursuant to 20.2.72.219.D(1)(a) NMAC.

The format and content of the application are consistent with the Bureau's current policy regarding significant revisions; it is a complete application package using the latest relevant sections of the Universal Application Forms. Please feel free to contact me at (505) 920-2177 or Catherine Schroder at (405) 749-5614 if you have any questions regarding this application.

Sincerely,

Rachel Reese
Senior Consultant

Cc: Catherine Schroder (Targa Midstream Services LLC)
Trinity Project File: 203201.0045

HEADQUARTERS

12700 Park Central Dr, Ste 2100, Dallas, TX 75251 / P 800.229.6655 / P 972.661.8100 / F 972.385.9203

**NMED AIR QUALITY BUREAU
SIGNIFICANT REVISION TO NSR PERMIT**
Targa Midstream Services, LLC
Eunice Gas Plant



Prepared By:

TRINITY CONSULTANTS

9400 Holly Ave NE
Bldg 3, Ste 300
Albuquerque, NM 87122
(505) 266-6611

May 2020

Trinity Project 203201.0045



<p>A. Mail Application To:</p> <p>New Mexico Environment Department Air Quality Bureau Permits Section 525 Camino de los Marquez, Suite 1 Santa Fe, New Mexico, 87505</p> <p>Phone: (505) 476-4300 Fax: (505) 476-4375 www.env.nm.gov/aqb</p>		<p>For Department use only:</p> <p>AIRS No.:</p>
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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. See Section 1-I for submittal instructions for other permits.

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: a 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.: 647153 in the amount of \$500

I acknowledge the required submittal format for the hard copy application is printed double sided 'head-to-toe', 2-hole punched (except the Sect. 2 landscape tables is printed 'head-to-head'), numbered tab separators. Incl. a copy of the check on a separate page.

This facility qualifies to receive assistance from the Small Business Environmental Assistance program (SBEAP) and qualifies for 50% of the normal application and permit fees. Enclosed is a check for 50% of the normal application fee which will be verified with the Small Business Certification Form for your company.

This facility qualifies to receive assistance from the Small Business Environmental Assistance Program (SBEAP) but does not qualify for 50% of the normal application and permit fees. To see if you qualify for SBEAP assistance and for the small business certification form go to https://www.env.nm.gov/aqb/sbap/small_business_criteria.html.

Citation: Please provide the **low level citation** under which this application is being submitted: **20.2.72.219.D(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

		AI # if known (see 1 st 3 to 5 #s of permit IDEA ID No.): 609	Updating Permit/NOI #: 0067-M9R2
1	Facility Name: Eunice Gas Processing Plant	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): Travel east on E. Texas Avenue from the intersection with Main Street in Eunice, NM approximately 0.75 miles, then south on S. 4 th Street approximately one mile to the plant gate.		
2	Plant Operator Company Name: Targa Midstream Services LLC	Phone/Fax: (505) 394-2534 / (505) 394-2714	

a	Plant Operator Address: PO Box 1909, Eunice, NM 88231	
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) 688-0555 / (432) 688-0552
a	Plant Owner(s) Mailing Address(s): PO Box 1909, Eunice, NM 88231	
4	Bill To (Company): Targa Midstream Services LLC	Phone/Fax: (575) 394-2534 / (575) 394-2714
a	Mailing Address: PO Box 1909, Eunice, NM 88231	E-mail: rwoodell@targaresources.com
5	<input checked="" type="checkbox"/> Preparer: Rachel Reese <input checked="" type="checkbox"/> Consultant: Trinity Consultants	Phone/Fax: (505) 266-6611 / NA
a	Mailing Address: 9400 Holly Ave Bldg 3 Suite 300 Albuquerque, NM 87122	E-mail: rreese@trinityconsultants.com
6	Plant Operator Contact: Rebecca Woodell	Phone/Fax: (575) 394-2534 / (575) 394-2714
a	Address: PO Box 1909, Eunice, NM 88231	E-mail: rwoodell@targaresources.com
7	Air Permit Contact: Catherine Schroder	Title: Sr. Environmental Specialist
a	E-mail: cschroder@targaresources.com	Phone/Fax: (405) 749-5614 / N/A
b	Mailing Address: 1400 Quail Springs Pkwy, Ste 215, Oklahoma City, OK 73134	
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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.b If yes to question 1.a, is it currently operating in New Mexico? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Is the facility currently shut down? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the permit No. is: P109-R2M1
7	Has this facility been issued a No Permit Required (NPR)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NPR No. is: N/A
8	Has this facility been issued a Notice of Intent (NOI)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NOI No. is: N/A
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the permit No. is: 0067-M9R2
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: 6.25 MMscf	Daily: 150 MMscf
			Annually: 54,750 MMscf
b	Proposed*	Hourly: 4.79 MMscf *	Daily: 115 MMscf *
			Annually: 41,975 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: 6.25 MMscf	Daily: 150 MMscf	Annually: 54,750 MMscf
b	Proposed*	Hourly: 4.79 MMscf *	Daily: 115 MMscf *	Annually: 41,975 MMscf *

* **NOTE:** Proposed throughputs requested in the application for NSR Permit 0067-M10, which is currently under review with the NMED. There is no change from these proposed throughputs with this application.

Section 1-D: Facility Location Information

1	Section: 3	Range: 37E	Township: 22S	County: Lea	Elevation (ft): 3,400
2	UTM Zone: <input type="checkbox"/> 12 or <input checked="" type="checkbox"/> 13			Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 <input checked="" type="checkbox"/> WGS 84	
a	UTM E (in meters, to nearest 10 meters): 674,200 m			UTM N (in meters, to nearest 10 meters): 3,589,000 m	
b	AND Latitude (deg., min., sec.): 32° 25' 28"			Longitude (deg., min., sec.): -103° 8' 50"	
3	Name and zip code of nearest New Mexico town: Eunice, NM 88231				
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): From the intersection of N. Main Street and E. Texas Avenue in Eunice, travel east on Texas Avenue for about 0.7 miles and turn right on S. 4 th Street. Travel for about 0.7 miles the facility will be at the end of the road.				
5	The facility is 1 mile southeast of Eunice, NM.				
6	Status of land at facility (check one): <input checked="" type="checkbox"/> Private <input type="checkbox"/> Indian/Pueblo <input type="checkbox"/> Federal BLM <input type="checkbox"/> Federal Forest Service <input type="checkbox"/> Other (specify)				
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: Eunice Indian Tribes: None Counties: Lea County, NM; Andrews County, TX; Gaines County, TX				
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/aqb/modeling/class1areas.html)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers: 7 km from Texas				
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): 118.3 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: 700 m				
12	Method(s) used to delineate the Restricted Area: "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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	($\frac{\text{hours}}{\text{year}}$): 8,760
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start: N/A		<input type="checkbox"/> AM <input type="checkbox"/> PM	End: N/A <input type="checkbox"/> AM <input type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, specify:		
a	If yes, NOV date or description of issue: TAR-0609-1703 Date: 4/6/2018, it is now TAR-0609-1703-R1 TAR-0609-1802 Date: 2/4/2019	NOV Tracking No: TAR-0609-1703-R1 and TAR-0609-1802	
b	Is this application in response to any issue listed in 1-F, 1 or 1a above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4	Will this facility be a source of federal Hazardous Air Pollutants (HAP)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
a	If Yes, what type of source? <input checked="" type="checkbox"/> Major (<input checked="" type="checkbox"/> ≥ 10 tpy of any single HAP OR <input checked="" type="checkbox"/> ≥ 25 tpy of any combination of HAPS) OR <input type="checkbox"/> Minor (<input type="checkbox"/> < 10 tpy of any single HAP AND <input type="checkbox"/> < 25 tpy of any combination of HAPS)		
5	Is any unit exempt under 20.2.72.202.B.3 NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
a	If yes, include the name of company providing commercial electric power to the facility: <u>Excel Commercial Electric Power</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	<input type="checkbox"/> I have filled out Section 18, "Addendum for Streamline Applications." <input checked="" type="checkbox"/> 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: 4401 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: 811 Louisiana Suite 2100, Houston, TX 77002-1400		
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: Texas – 7 km

Section 1-I – Submittal Requirements

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

Hard Copy Submittal Requirements:

- 1) One hard copy **original signed and notarized application package printed double sided 'head-to-toe' 2-hole punched** as we bind the document on top, not on the side; except Section 2 (landscape tables), which should be **head-to-head**. Please use **numbered tab separators** in the hard copy submittal(s) as this facilitates the review process. For NOI submittals only, hard copies of UA1, Tables 2A, 2D & 2F, Section 3 and the signed Certification Page are required. **Please include a copy of the check on a separate page.**
- 2) If the application is for a minor NSR, PSD, NNSR, or Title V application, include one working hard **copy** for Department use. This **copy** should be printed in book form, 3-hole punched, and **must be double sided**. Note that this is in addition to the head-to-toe 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 _____

Email _____

Phone number _____

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

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

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

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

- 1) All required electronic documents shall be submitted as 2 separate CDs or submitted through the AQB secure file transfer service. Submit a single PDF document of the entire application as submitted and the individual documents comprising the application.
- 2) The documents should also be submitted in Microsoft Office compatible file format (Word, Excel, etc.) allowing us to access the text and formulas in the documents (copy & paste). Any documents that cannot be submitted in a Microsoft Office compatible

format shall be saved as a PDF file from within the electronic document that created the file. If you are unable to provide Microsoft office compatible electronic files or internally generated PDF files of files (items that were not created electronically: i.e. brochures, maps, graphics, etc.), submit these items in hard copy format. We must be able to review the formulas and inputs that calculated the emissions.

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

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Table 2-A: Regulated Emission Sources

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

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ²	Controlled by Unit #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (C1, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/Reconstruction ²	Emissions vented to Stack #				
C-01	Reciprocating Engine	Clark	BA-6	36106	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-01				
C-02	Reciprocating Engine	Clark	BA-6	36104	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-02				
C-03	Reciprocating Engine	Clark	BA-6	36080	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-03				
C-04	Reciprocating Engine	Clark	BA-6	36103	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-04				
C-05	Reciprocating Engine	Clark	BA-6	36102	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-05				
C-06	Reciprocating Engine	Clark	BA-6	36112	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-06				
C-07	Reciprocating Engine	Clark	BA-6	36040	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-07				
C-08	Reciprocating Engine	Clark	BA-6	36111	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-08				
C-09	Reciprocating Engine	Clark	BA-6	36109	1,200 hp	1,200 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-09				
C-10	Reciprocating Engine	Clark	HBA-8	30123	1,600 hp	1,600 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-10				
C-11	Reciprocating Engine	Clark	HBA-8	30089	1,600 hp	1,600 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-11				
C-12	Reciprocating Engine	Clark	HBA-8	30126	1,600 hp	1,600 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-12				
C-13	Reciprocating Engine	Clark	HBA-T-8	30313	2,050 hp	2,050 hp	< 1972	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 2SLB	N/A
							Pre - 1984	C-13				
C-13A	Reciprocating Engine	Waukesha	L7042-GSIU	49880	1,200 hp	1,200 hp	1985	N/A	2020 0252	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 4SRB	N/A
							Post - 1984	C-13A				
C-17	Reciprocating Engine	Waukesha	L7042-GSIU	184967	1,200 hp	1,200 hp	1995	N/A	2020 0253	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 4SRB	N/A
							Post - 1984	C-17				
C-18	Reciprocating Engine	Waukesha	L7042-GSIU	352869	1,200 hp	1,200 hp	1985	N/A	2020 0253	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 4SRB	N/A
							Post - 1984	C-18				

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ²	Controlled by Unit #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/ Reconstruction ²	Emissions vented to Stack #				
C-19	Reciprocating Engine	Waukesha	L7042-GSIU	TAR 19 E	1,200 hp	1,200 hp	1995	N/A	2020 0253	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 4SRB	N/A
							Post - 1984	C-19				
C-20	Reciprocating Engine	Waukesha	L7042-GSIU	250078	1,200 hp	1,200 hp	1995	N/A	2020 0253	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 4SRB	N/A
							Post - 1984	C-20				
C-21	Reciprocating Engine	Waukesha	L7042-GSIU	C155801	1,200 hp	1,200 hp	April 2005	N/A	2020 0253	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 4SRB	N/A
							Post - 1984	C-21				
C-22	Reciprocating Engine	Waukesha	L7042-GSIU	336249	1,200 hp	1,200 hp	1995	N/A	2020 0253	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	SI 4SRB	N/A
							Post - 1984	C-22				
EC-1	Electric Motor Driven Compressor	Teco Westinghouse	ANZK-52	DT.E084023-3	3,000 hp	3,000 hp	2014	N/A	3100 0203	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 2011	EC-1				
EC-2	Electric Motor Driven Compressor	Teco Westinghouse	ANZK-52	FT.E086011-1	3,000 hp	3,000 hp	2014	N/A	3100 0203	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							2016	EC-2				
EC-3	Electric Motor Driven Compressor	Teco Westinghouse	ANZK-52	DTE084023-1	3,000 hp	3,000 hp	2006	N/A	3100 0203	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Unknown	EC-3				
AGI-C2	Electric Motor Driven Compressor	Teco Westinghouse	World Series	7A14AA-02	1,750 hp	1,750 hp	Mar-20	N/A	3100 0203	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							TBD	AGI-C2				
B-01	Steam Boiler	Wickes - Type A	Unknown	61188B1D3 NM-1505	100 MMBtu/hr	100 MMBtu/hr	<1972	N/A	1020 0602	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre - 1984	B-01				
B-02	Steam Boiler	Wickes - Type A	Unknown	61188B2D3 NM-1506	100 MMBtu/hr	100 MMBtu/hr	<1972	N/A	1020 0602	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre - 1984	B-02				
RH-W	Regeneration Gas Heater (Standby)	Petrotherm	Unknown	H-70693A	10 MMBtu/hr	10 MMBtu/hr	1982	N/A	3100 0404	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre - 1984	RH-W				
RH-E	Regeneration Gas Heater	Born	Unknown	RSO1138	3.5 MMBtu/hr	3.5 MMBtu/hr	2001	N/A	3100 0404	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 1984	RH-E				
H-02 ⁵	Hot Oil Heater	Unknown	Unknown	90658	2.7 MMscf/yr	2.7 MMscf/yr	2000	N/A	3100 0404	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 1984	RH-01				
H-01	Glycol Dehydrator Heater	Wenco Energy	Unknown	XB48/24-20H	1.25 MMBtu/hr	1.25 MMBtu/hr	2000	N/A	3100 0302	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 1984	H-01				
G-01	Glycol Dehydrator	Unknown	Unknown	Unknown	150 MMscf/d	150 MMscf/d	2000	N/A	3100 0301	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 1984	G-01				
TK-1	Fixed Roof Storage Tank	N/A	N/A	11107	500 bbl	500 bbl	6/29/2006	N/A	4040 0311	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input checked="" type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 1984	N/A				
TK-2	Fixed Roof Storage Tank	N/A	N/A	11108	500 bbl	500 bbl	6/29/2006	N/A	4040 0311	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input checked="" type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 1984	N/A				
F-01 ⁶	Acid Gas Flare	John Zink	Unknown	X46561	5 MMscf/yr	5 MMscf/yr	Pre - 1984	N/A	3060 0906	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre - 1984	F-01				

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ²	Controlled by Unit #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/Reconstruction ²	Emissions vented to Stack #				
F-02 ⁶	Emergency Flare	Unknown	Unknown	Unknown	5 MMscf/yr	5 MMscf/yr	Pre - 1984	N/A	3060 0904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre - 1984	F-02				
ME9	Gasoline Tank	Bennett	3813	15T1118938	2,800 gal	2,800 gal	2000	N/A	4040 0311	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Unknown	N/A				
FG-01	Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3068 8811	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							N/A	N/A				
L-01	Loading Emissions	N/A	N/A	N/A	N/A	N/A	Pre - 1984	N/A	4060 0137	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input checked="" type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre - 1984	N/A				
L-02	Loading Emissions	N/A	N/A	N/A	N/A	N/A	2015	N/A	4060 0137	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input checked="" type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 2011	N/A				
CT-1	Cooling Tower	Advance Cooling Towers	Unknown	Unknown	14,100 gpm	14,100 gpm	<1972	N/A	3850 0110	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre - 1984	N/A				
AM-01	Amine Still (heated by process steam)	A.O. Smith	Unknown	49-1053	550 gpm	550 gpm	Pre - 1984	F-01 and AGI	3100 0305	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre - 1984	N/A				
EG-01	Diesel Emergency Generator	Caterpillar	Unknown	JAZ 03085	1341 hp	1341 hp	2015	N/A	2020 0102	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							2015	N/A				
EG-02	Diesel Air Compressor	John Deere	Unknown	Unknown	125 hp	125 hp	2015	N/A	2020 0102	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							Post - 2011	N/A				
SSM-VP	Vessel Purging SSM Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3108 8811	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							N/A	N/A				
SSM-CB	Compressor Blowdown SSM Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3108 8811	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							N/A	N/A				
SSM-VRU	VRU - Downtime SSM Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3108 8811	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input checked="" type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							N/A	N/A				
SSM-PP	Pump Purging SSM Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3108 8811	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							N/A	N/A				
SSM - AGI-C2	Startup, Shutdown and Maintenance - AGI Compressor Blowdown to Atmosphere	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3108 8811	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							N/A	N/A				
M	Malfunction Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3108 8811	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							N/A	N/A				

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 This unit has been mislabeled in prior permits and applications. This hot oil heater services multiple processes at the facility.

⁶ Flare capacities listed are for pilot only.

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 202.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.env.nm.gov/aqb/permit/aqb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at <http://www.env.nm.gov/aqb/forms/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		
AGI-C1	Electric Compressor at AGI Well	TBD	TBD	TBD	Not a source of regulated pollutants	2010	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			Y6R-3815C	TBD	-	~2010	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-3	Gunbarrel (Fixed Roof Storage Tank)	N/A	N/A	500	Not a source of regulated pollutants	9/1/2007	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	bbl	-	Unknown	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
Haul	Haul Road	N/A	N/A	N/A	20.2.72.202.B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	N/A	IA List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
ME10	Diesel Storage Tank	N/A	N/A	1,000	20.2.72.202.B.5 NMAC	2010	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	gal	IA List Item #1.a	~2010	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
ME11	Methanol Storage Tank	N/A	N/A	2,000	20.2.72.202.B.5 NMAC	~2012	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	gal	IA List Item #1.a	~2012	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
ME12	Used Engine Oil	N/A	N/A	42,000	20.2.72.202.B.2	Unknown	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	gal	IA List Item #5	Unknown	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
ME13	Norkool Tank (Coolant)	N/A	N/A	500	20.2.72.202.B.2	Unknown	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	gal	IA List Item #5	Unknown	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
							<input type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
							<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
							<input type="checkbox"/> To be Modified	<input type="checkbox"/> To be Replaced
							<input type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
							<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
							<input type="checkbox"/> To be Modified	<input type="checkbox"/> To be Replaced
							<input type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
							<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
							<input type="checkbox"/> To be Modified	<input type="checkbox"/> To be Replaced
							<input type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
							<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
							<input type="checkbox"/> To be Modified	<input type="checkbox"/> To be Replaced

¹ Insignificant activities exempted due to size or production rate are defined in 20.2.70.300.D.6, 20.2.70.7.Q NMAC, and the NMED/AQB List of Insignificant Activities, dated September 15, 2008. Emissions from these insignificant activities do not need to be reported, unless specifically requested.

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

Table 2-C: Emissions Control Equipment

Unit and stack numbering must correspond throughout the application package. Only list control equipment for TAPs if the TAP's maximum uncontrolled emissions rate is over its respective threshold as listed in 20.2.72 NMAC, Subpart V, Tables A and B. In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device regardless if the applicant takes credit for the reduction in emissions.

Control Equipment Unit No.	Control Equipment Description	Date Installed	Controlled Pollutant(s)	Controlling Emissions for Unit Number(s) ¹	Efficiency (% Control by Weight)	Method used to Estimate Efficiency
C-13A	Catalytic Converter, AFR	1985	NOX, CO, VOC	C-13A	NOX 80% CO 70% VOC 70%	Manufacturer's Data and Engineering Estimate
C-17	Catalytic Converter, AFR	1995	NOX, CO, VOC	C-17	NOX 80% CO 70% VOC 70%	Manufacturer's Data and Engineering Estimate
C-18	Catalytic Converter, AFR	1995	NOX, CO, VOC	C-18	NOX 80% CO 70% VOC 70%	Manufacturer's Data and Engineering Estimate
C-19	Catalytic Converter, AFR	1995	NOX, CO, VOC	C-19	NOX 80% CO 70% VOC 70%	Manufacturer's Data and Engineering Estimate
C-20	Catalytic Converter, AFR	1995	NOX, CO, VOC	C-20	NOX 80% CO 70% VOC 70%	Manufacturer's Data and Engineering Estimate
C-21	Catalytic Converter, AFR	1995	NOX, CO, VOC	C-21	NOX 80% CO 70% VOC 70%	Manufacturer's Data and Engineering Estimate
C-22	Catalytic Converter, AFR	1995	NOX, CO, VOC	C-22	NOX 80% CO 70% VOC 70%	Manufacturer's Data and Engineering Estimate
VRU-1	Dehy VRU		H2S, VOC	G-01	100% (closed loop)	Engineering Estimate
VRU-2	Dehy VRU		H2S, VOC	G-01	100% (closed loop)	Engineering Estimate
VRU-3	Tanks/Loading VRU		H2S, VOC	TK-1, TK-2, L-01, L-02	100% (closed loop)	Engineering Estimate
F-01	Acid Gas Flare		H2S, VOC	AM-01	98%	Engineering Estimate
AGI	Acid Gas Injection Well		H2S, VOC	AM-01	100%	Engineering Estimate
N/A	Cooling Tower Drift Eliminator		TSP, PM10, PM2.5	CT-1	100%	Manufacturer's Data

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

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

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

Maximum Emissions are the emissions at maximum capacity and prior to (in the absence of) pollution control, emission-reducing process equipment, or any other emission reduction. Calculate the hourly emissions using the worst case hourly emissions for each pollutant. For each pollutant, calculate the annual emissions as if the facility were operating at maximum plant capacity without pollution controls for 8760 hours per year, unless otherwise approved by the Department. List Hazardous Air Pollutants (HAP) & Toxic Air Pollutants (TAPs) in Table 2-I. Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM ¹		PM10 ¹		PM2.5 ¹		H 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
C-01	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-02	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-03	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-04	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-05	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-06	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-07	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-08	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-09	53.60	13.40	8.40	2.10	0.40	0.10	0.0073	0.0017	0.14	0.035	0.10	0.025	0.10	0.025	-	-	-	-
C-10	77.20	19.30	8.10	2.03	1.10	0.28	0.0088	0.0022	0.16	0.039	0.16	0.039	0.16	0.039	-	-	-	-
C-11	77.20	19.30	8.10	2.03	1.10	0.28	0.0088	0.0022	0.16	0.039	0.16	0.039	0.16	0.039	-	-	-	-
C-12	77.20	19.30	8.10	2.03	1.10	0.28	0.010	0.045	0.18	0.45	0.14	0.039	0.14	0.039	-	-	-	-
C-13	61.10	267.50	27.60	120.90	1.00	4.40	0.012	0.054	0.23	1.02	0.18	0.77	0.18	0.77	-	-	-	-
C-13A	26.50	116.00	26.50	116.00	3.40	14.70	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-17	26.50	116.00	26.50	116.00	3.40	14.70	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-18	26.50	116.00	26.30	115.19	10.67	46.73	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-19	26.50	26.50	26.50	26.50	26.50	26.50	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-20	26.50	116.00	26.50	116.00	3.40	14.70	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-21	26.50	116.00	26.50	116.00	3.40	14.70	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-22	26.50	116.00	26.50	116.00	3.40	14.70	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
EC-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EC-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EC-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-01	20.60	90.00	1.50	6.60	0.10	0.20	0.067	0.29	0.76	3.33	0.76	3.33	0.76	3.33	-	-	-	-
B-02	20.60	90.00	1.50	6.60	0.10	0.20	0.067	0.29	0.76	3.33	0.76	3.33	0.76	3.33	-	-	-	-
RH-W	3.00	13.10	0.80	3.30	0.30	0.020	0.067	0.29	0.76	3.33	0.76	3.33	0.76	3.33	-	-	-	-
RH-E	0.35	1.53	0.29	1.28	0.0020	0.080	0.0024	0.010	0.027	0.12	0.027	0.12	0.027	0.12	-	-	-	-
H-02	0.30	1.20	0.20	1.00	0.010	0.060	2.1E-04	9.1E-04	0.0023	0.010	0.0023	0.010	0.0023	0.010	-	-	-	-
H-01	0.10	0.50	0.10	0.40	0.070	0.30	8.4E-04	0.0037	0.0095	0.042	0.0095	0.042	0.0095	0.042	-	-	-	-
G-01	-	-	-	-	149.20	653.80	-	-	-	-	-	-	-	-	-	-	-	-
TK-1	-	-	-	-	117.80	515.95	-	-	-	-	-	-	-	-	1.27	5.56	-	-
TK-2	-	-	-	-	117.80	515.95	-	-	-	-	-	-	-	-	1.27	5.56	-	-
F-01 ¹	0.030	0.12	0.060	0.20	-	-	3.9E-04	0.0017	-	-	-	-	-	-	-	-	-	-
F-02 ¹	0.030	0.12	0.060	0.20	-	-	3.9E-04	0.0017	-	-	-	-	-	-	-	-	-	-
ME9	-	-	-	-	-	2.12	-	-	-	-	-	-	-	-	-	-	-	-
FG-01	-	-	-	-	8.86	38.79	-	-	-	-	-	-	-	-	0.0030	0.013	-	-
L-01	-	-	-	-	65.48	27.15	-	-	-	-	-	-	-	-	0.36	0.15	-	-
L-02	-	-	-	-	65.48		-	-	-	-	-	-	-	-	-		0.36	-
CT-1	-	-	-	-	-	-	-	-	3.48	15.26	0.97	4.28	-	-	-	-	-	-
AM-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EG-01	14.60	63.80	0.38	1.68	0.030	0.13	0.016	0.071	0.059	0.26	0.059	0.26	0.059	0.26	-	-	-	-
EG-02	0.035	0.051	0.31	0.45	0.66	0.97	0.26	0.37	0.051	0.075	0.051	0.075	0.051	0.075	-	-	-	-
Totals	1020.24	3200.12	318.00	1167.68	587.97	1920.57	0.63	1.92	8.76	36.07	5.62	22.24	4.65	17.96	3.26	11.28	-	-

¹Emissions from F-01 and F-02 are pilot-only emission rates. Emissions from SSM from these units are in Table 2-F.

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
C-01	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-02	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-03	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-04	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-05	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-06	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-07	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-08	53.60	234.80	8.40	36.90	0.40	1.60	0.0073	0.032	0.14	0.60	0.10	0.45	0.10	0.45	-	-	-	-
C-09	53.60	13.40	8.40	2.10	0.40	0.10	0.0073	0.002	0.14	0.035	0.10	0.025	0.10	0.025	-	-	-	-
C-10	77.20	19.30	8.10	2.03	1.10	0.28	0.0088	0.0022	0.16	0.039	0.16	0.039	0.16	0.039	-	-	-	-
C-11	77.20	19.30	8.10	2.03	1.10	0.28	0.0088	0.0022	0.16	0.039	0.16	0.039	0.16	0.039	-	-	-	-
C-12	77.20	19.30	8.10	2.03	1.10	0.28	0.010	0.045	0.18	0.45	0.14	0.039	0.14	0.039	-	-	-	-
C-13	61.10	267.50	27.60	120.90	1.00	4.40	0.012	0.054	0.23	1.02	0.18	0.77	0.18	0.77	-	-	-	-
C-13A	5.30	23.20	7.90	34.80	4.20	18.50	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-17	5.30	23.20	7.90	34.80	4.20	18.50	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-18	5.30	23.20	7.90	34.80	4.20	18.50	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-19	5.30	23.20	7.90	34.80	4.20	18.50	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-20	5.30	23.20	7.90	34.80	4.20	18.50	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-21	5.30	23.20	7.90	34.80	4.20	18.50	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
C-22	5.30	23.20	7.90	34.80	4.20	18.50	0.0069	0.030	0.13	0.56	0.097	0.42	0.097	0.42	-	-	-	-
EC-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EC-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EC-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-01	20.60	90.00	1.50	6.60	0.10	0.20	0.067	0.29	0.76	3.33	0.76	3.33	0.76	3.33	-	-	-	-
B-02	20.60	90.00	1.50	6.60	0.10	0.20	0.067	0.29	0.76	3.33	0.76	3.33	0.76	3.33	-	-	-	-
RH-W	3.00	13.10	0.80	3.30	0.30	0.020	0.067	0.29	0.76	3.33	0.76	3.33	0.76	3.33	-	-	-	-
RH-E	0.35	1.53	0.29	1.28	0.0020	0.080	0.0024	0.010	0.027	0.117	0.027	0.117	0.027	0.117	-	-	-	-
H-02	0.30	1.20	0.20	1.00	0.010	0.060	2.1E-04	9.1E-04	0.0023	0.010	0.0023	0.010	0.0023	0.010	-	-	-	-
H-01	0.10	0.50	0.10	0.40	0.070	0.30	8.40E-04	0.0037	0.0095	0.042	0.0095	0.042	0.0095	0.042	-	-	-	-
G-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TK-1 ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TK-2 ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-01 ³	0.030	0.12	0.060	0.20	-	-	3.9E-04	0.0017	-	-	-	-	-	-	-	-	-	-
F-02 ³	0.030	0.12	0.060	0.20	-	-	3.9E-04	0.0017	-	-	-	-	-	-	-	-	-	-
ME9	-	-	-	-	-	2.12	-	-	-	-	-	-	-	-	-	-	-	-
FG-01	-	-	-	-	8.87	38.83	-	-	-	-	-	-	-	-	0.0053	0.023	-	-
L-01	-	-	-	-	19.65	-	8.15	-	-	-	-	-	-	-	0.11	0.045	-	-
L-02	-	-	-	-	19.65	-	-	-	-	-	-	-	-	-	0.11	-	-	-
CT-1	-	-	-	-	-	-	-	-	3.48	15.26	0.97	4.28	-	-	-	-	-	-
AM-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EG-01	14.60	63.80	0.38	1.68	0.030	0.13	0.016	0.071	0.059	0.26	0.059	0.26	0.059	0.26	-	-	-	-
EG-02	0.035	0.051	0.31	0.45	0.66	0.97	0.26	0.37	0.051	0.075	0.051	0.075	0.051	0.075	-	-	-	-
Totals	871.84	2640.02	188.00	689.59	86.74	198.68	0.63	1.92	8.76	36.07	5.62	22.24	4.65	17.96	0.22	0.068	-	-

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 TSP unless TSP is set equal to PM10 and PM2.5.

² Dehy regenerator, TK-1 and TK-2 to be routed to VRU as a closed-loop system

³ Emissions from F-01 and F-02 are pilot-only emission rates. Emissions from SSM from these units are in Table 2-F.

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 explanation of SSM emissions in Section 6 and 6a.

All applications for facilities that have emissions during routine or predictable startup, shutdown or scheduled maintenance (SSM)¹, including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.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 (AGI SSM to Acid Gas Flare)	147.62	10.22	672.96	46.59	51.69	3.58	5869.93	406.39	-	-	-	-	-	-	63.64	4.41	-	-
F-02	563.48	9.13	1124.92	18.24	904.17	14.11	4064.01	63.42	-	-	-	-	-	-	44.06	0.69	-	-
SSM/M	563.48	10.00	1124.92	5.50	904.17	9.00	5869.93	10.00	-	-	-	-	-	-	63.64	5.00	-	-
SSM-VP	-	-	-	-	746.93	2.99	-	-	-	-	-	-	-	-	-	-	-	-
SSM-CB	-	-	-	-	88.46	1.52	-	-	-	-	-	-	-	-	4.28	0.074	-	-
SSM-PP	-	-	-	-	1.29	0.012	-	-	-	-	-	-	-	-	-	-	-	-
SSM-VRU	-	-	-	-	239.93	39.41	-	-	-	-	-	-	-	-	2.56	0.42	-	-
SSM-AGI-C2	-	-	-	-	0.26	8.81E-04	-	-	-	-	-	-	-	-	-	-	-	-
Totals	711.10	29.35	1797.88	70.33	1981.03	67.03	9933.94	479.81	-	-	-	-	-	-	114.54	10.59	-	-

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).

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

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

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

Stack No.	Serving Unit Number(s) from Table 2-A	NOx		CO		VOC		SOx		PM		PM10		PM2.5		☐ H ₂ S or ☐ Lead	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Totals:																	

Table 2-H: Stack Exit Conditions

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

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H=Horizontal V=Vertical)	Rain Caps (Yes or No)	Height Above Ground (ft)	Temp. (F)	Flow Rate		Moisture by Volume (%)	Velocity (ft/sec)	Inside Diameter (ft)
						(acfs)	(dscfs)			
C-01	C-01	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-02	C-02	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-03	C-03	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-04	C-04	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-05	C-05	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-06	C-06	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-07	C-07	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-08	C-08	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-09	C-09	V	No	70	690	201.3	N/A	N/A	145.0	1.3
C-10	C-10	V	No	70	750	293.4	N/A	N/A	134.0	1.7
C-11	C-11	V	No	70	750	293.4	N/A	N/A	134.0	1.7
C-12	C-12	V	No	70	750	293.4	N/A	N/A	134.0	1.7
C-13	C-13	V	No	70	600	354.8	N/A	N/A	113.0	2.0
C-13A	C-13A	V	No	50	940	97.3	N/A	N/A	180.0	0.83
C-17	C-17	V	No	50	940	97.3	N/A	N/A	180.0	0.8
C-18	C-18	V	No	50	940	97.3	N/A	N/A	180.0	0.83
C-19	C-19	V	No	50	940	97.3	N/A	N/A	180.0	0.83
C-20	C-20	V	No	50	940	97.3	N/A	N/A	180.0	0.83
C-21	C-21	V	No	50	940	97.3	N/A	N/A	180.0	0.83
C-22	C-22	V	No	50	940	97.3	N/A	N/A	180.0	0.83
B-01	B-01	V	No	30	500	401.9	N/A	N/A	32.0	4.00
B-02	B-02	V	No	30	500	401.9	N/A	N/A	32.0	4.0
RH-W	RH-W	V	No	31	700	44.5	N/A	N/A	6.3	3.0
RH-E	RH-E	V	No	31	700	44.5	N/A	N/A	6.3	3.0
H-02	RH-02	V	No	31	700	111.3	N/A	N/A	63.0	1.5
H-01	H-01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G-01	G-01	V	No	160	1800	297.2	N/A	N/A	56.0	2.6
EG-011	EG-01	V	No	6	710.3	-	-	-	59.4	0.2
EG-021	EG-02	V	No	4	710.3	-	-	-	59.4	0.23
F-01	F-01	V	No	165	1800	13.0	N/A	N/A	66.0	0.50
F-02	F-02	V	No	165	1800	13.0	N/A	N/A	66.0	0.5

¹ Temperature and velocity are based on modeling guidelines for diesel engines;

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
C-01	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-02	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-03	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-04	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-05	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-06	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-07	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-08	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	4.62 MMscf	5 gr/100 scf	N/A
C-09	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	4.62 MMscf	5 gr/100 scf	N/A
C-10	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	10 Mscf	6.16 MMscf	5 gr/100 scf	N/A
C-11	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	10 Mscf	6.16 MMscf	5 gr/100 scf	N/A
C-12	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	10 Mscf	6.16 MMscf	5 gr/100 scf	N/A
C-13	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	20 Mscf	138 MMscf	5 gr/100 scf	N/A
C-17	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-18	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	10 Mscf	74 MMscf	5 gr/100 scf	N/A
C-19	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	10 Mscf	74 MMscf	5 gr/100 scf	N/A
C-20	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-21	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
C-22	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	9 Mscf	81 MMscf	5 gr/100 scf	N/A
B-01	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	100 Mscf	876 MMscf	5 gr/100 scf	N/A
B-02	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	100 Mscf	876 MMscf	5 gr/100 scf	N/A
RH-W	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	100 Mscf	876 MMscf	5 gr/100 scf	N/A
RH-E	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	3.5 Mscf	30.7 MMscf	5 gr/100 scf	N/A
H-02	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	0.31 Mscf	2.7 MMscf	5 gr/100 scf	N/A
H-01	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	1.25 Mscf	11 MMscf	5 gr/100 scf	N/A
F-01	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	0.57 Mscf	5 MMscf	5 gr/100 scf	N/A
F-02	Natural Gas	Pipeline Quality Natural Gas	1,000 Btu/scf	2.63 Mscf	5 MMscf	5 gr/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.

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb*mol)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)
TK-1	40400311	Stabilized Condensate	HC and H ₂ O	5.7	56.2	63.5	13.0	100.0	15.0
TK-2	40400311	Stabilized Condensate	HC and H ₂ O	5.7	56.2	63.5	13.0	100.0	15.0
ME9	40400311	Gasoline	Gasoline	5.6	62.0	74.1	9.3	87.1	11.7

Table 2-L: Tank Data

Include appropriate tank-flashing modeling input data. Use an addendum to this table for unlisted data categories. Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary. See reference Table 2-L2. Note: 1.00 bbl = 10.159 M3 = 42.0 gal

Tank No.	Date Installed	Materials Stored	Seal Type (refer to Table 2- LR below)	Roof Type (refer to Table 2- LR below)	Capacity		Diameter (M)	Vapor Space (M)	Color (from Table VI-C)		Paint Condition (from Table VI-C)	Annual Throughput (gal/yr)	Turn- overs (per year)
					(bbl)	(M ³)			Roof	Shell			
TK-1	2007	Stabilized Condensate	N/A	FX	500	79	3.7	2.4	MG	MG	Good	7,080,395	337.2
TK-2	2007	Stabilized Condensate	N/A	FX	500	79	3.7	2.4	MG	MG	Good		337.2
ME9	TBD	Gasoline	N/A	FX	67	11	4.3	2.1	MG	MG	Good	35,000	12.5

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

Note: 1.00 bbl = 0.159 M³ = 42.0 gal

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

Material Processed				Material Produced			
Description	Chemical Composition	Phase (Gas, Liquid, or Solid)	Quantity (specify units)	Description	Chemical Composition	Phase	Quantity (specify units)
Natural Gas	H _x C _x , CO ₂ , H ₂ S	Gas	115 MMscf/d	Natural Gas Liquids	C2, C3, C4, and C5	Liquid	15,000 bbl/day
				Residue Gas	Pipeline Quality	Gas	115 MMscf/d
				Condensate		Liquid	462 bbl/day

Table 2-N: CEM Equipment

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

Stack No.	Pollutant(s)	Manufacturer	Model No.	Serial No.	Sample Frequency	Averaging Time	Range	Sensitivity	Accuracy

Table 2-O: Parametric Emissions Measurement Equipment

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

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time

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.

Unit No.	GWPs ¹	CO ₂ ton/yr	N ₂ O ton/yr	CH ₄ ton/yr	SF ₆ ton/yr	PFC/HFC ton/yr ²									Total GHG Mass Basis ton/yr ⁴	Total CO ₂ e ton/yr ⁵
		1	298	25	22,800	footnote 3										
C-01	mass GHG	3866.9		0.064											3867.0	-
	CO ₂ e	3866.9		1.3											-	3868.2
C-02	mass GHG	3331.5		0.056											3331.5	-
	CO ₂ e	3331.5		1.18											-	3332.7
C-03	mass GHG	3807.4		0.063											3807.5	-
	CO ₂ e	3807.4		1.32											-	3808.7
C-04	mass GHG	3807.4		0.063											3807.5	-
	CO ₂ e	3807.4		1.32											-	3808.7
C-05	mass GHG	1844.2		0.031											1844.2	-
	CO ₂ e	1844.2		0.65											-	1844.9
C-06	mass GHG	3093.5		0.052											3093.6	-
	CO ₂ e	3093.5		1.09											-	3094.6
C-07	mass GHG	2082.2		0.035											2082.2	-
	CO ₂ e	2082.2		0.74											-	2082.9
C-08	mass GHG	4104.9		0.068											4104.9	-
	CO ₂ e	4104.9		1.4											-	4106.3
C-09	mass GHG	270.0		0.0051											270.0	-
	CO ₂ e	270.0		0.13											-	270.1
C-10	mass GHG	421.0		0.0079											421.0	-
	CO ₂ e	421.0		0.20											-	421.2
C-11	mass GHG	421.0		0.0079											421.0	-
	CO ₂ e	421.0		0.20											-	421.2
C-12	mass GHG	421.0		0.0079											421.0	-
	CO ₂ e	421.0		0.20											-	421.2
C-13	mass GHG	6722.5		0.11											6722.6	-
	CO ₂ e	6722.5		2.4											-	6724.8
C-13A	mass GHG	178.5		0.0030											178.5	-
	CO ₂ e	178.5		0.063											-	178.5
C-17	mass GHG	2677.1		0.045											2677.1	-
	CO ₂ e	2677.1		0.95											-	2678.0
C-18	mass GHG	2439.1		0.041											2439.2	-
	CO ₂ e	2439.1		0.86											-	2440.0
C-19	mass GHG	1368.3		0.023											1368.3	-
	CO ₂ e	1368.3		0.48											-	1368.8
C-20	mass GHG	3985.9		0.066											3985.9	-
	CO ₂ e	3985.9		1.4											-	3987.3

C-21	mass GHG	2915.1		0.049										2915.1	-
	CO ₂ e	2915.1		1.03										-	2916.1
C-22	mass GHG	2141.7		0.036										2141.7	-
	CO ₂ e	2141.7		0.76										-	2142.4
B-01	mass GHG	47402.2		0.79										47403.0	-
	CO ₂ e	47402.2		16.6										-	47418.8
B-02	mass GHG	47402.2		0.790										47403.0	-
	CO ₂ e	47402.2		16.6										-	47418.8
RH-W	mass GHG	5211.4		0.087										5211.5	-
	CO ₂ e	5211.4		2.18										-	5213.6
RH-E	mass GHG	1659.1		0.028										1659.108	-
	CO ₂ e	1659.1		0.59										-	1659.668
H-02	mass GHG	146.1		0.0020										146.1	-
	CO ₂ e	146.1		0.042										-	146.1
H-01	mass GHG	592.5		0.0100										592.5	-
	CO ₂ e	592.5		0.21										-	592.7
F-01 ⁶	mass GHG	297.5		0.0050										297.5	-
	CO ₂ e	297.5		0.11										-	297.6
F-02 ⁶	mass GHG	297.5		0.0050										297.5	-
	CO ₂ e	297.5		0.11										-	297.6
FG-01	mass GHG	131.4		1585.40										1716.8	-
	CO ₂ e	131.4		33293.40										-	33424.8
F-01 ⁷	mass GHG	18126.5	0.0431	108.794										18235.4	-
	CO ₂ e	18126.5	12.9	2719.84										-	20859.2
F-02 ⁷	mass GHG	7603.4	0.014	31.9										7635.3	-
	CO ₂ e	7603.4	4.22	797.6										-	8405.2
SSM-VP	mass GHG	0.00036		3.5										3.5	-
	CO ₂ e	0.00036		86.8										-	86.8
SSM-CB	mass GHG	0.49		4.96										5.46	-
	CO ₂ e	0.49		124.10										-	124.60
SSM-PP	mass GHG	-		0.00010										0.00010	-
	CO ₂ e	-		0.0025										-	0.0025
SSM-VRU	mass GHG	0.076		0.25										0.32	-
	CO ₂ e	0.076		6.2										-	6.23
SSM/M	mass GHG	-		-										-	-
	CO ₂ e	-		-										-	-
L-01/L-02	mass GHG	0.0077		0.0069										0.015	-
	CO ₂ e	0.0077		0.17										-	0.18
Total	mass GHG													180506.7	-
	CO ₂ e													-	215868.6

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.

⁶ Pilot-only emissions are represented here for these units

⁷ These emissions are SSM from Flares F-01 & F-02

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 Eunice Gas Plant (Eunice) 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. 0067-M9R2 and Title V Operating Permit No. P-109R2M1. Eunice Gas plant processes natural gas through inlet separation, dehydration, acid gas removal, and separation of methane from natural gas liquids.

This application is being submitted to authorize the increase of condensate at the facility. Targa is submitting an application pursuant to 20.2.72.219.D(1)(a) NMAC. No regulations will be triggered by this increase.

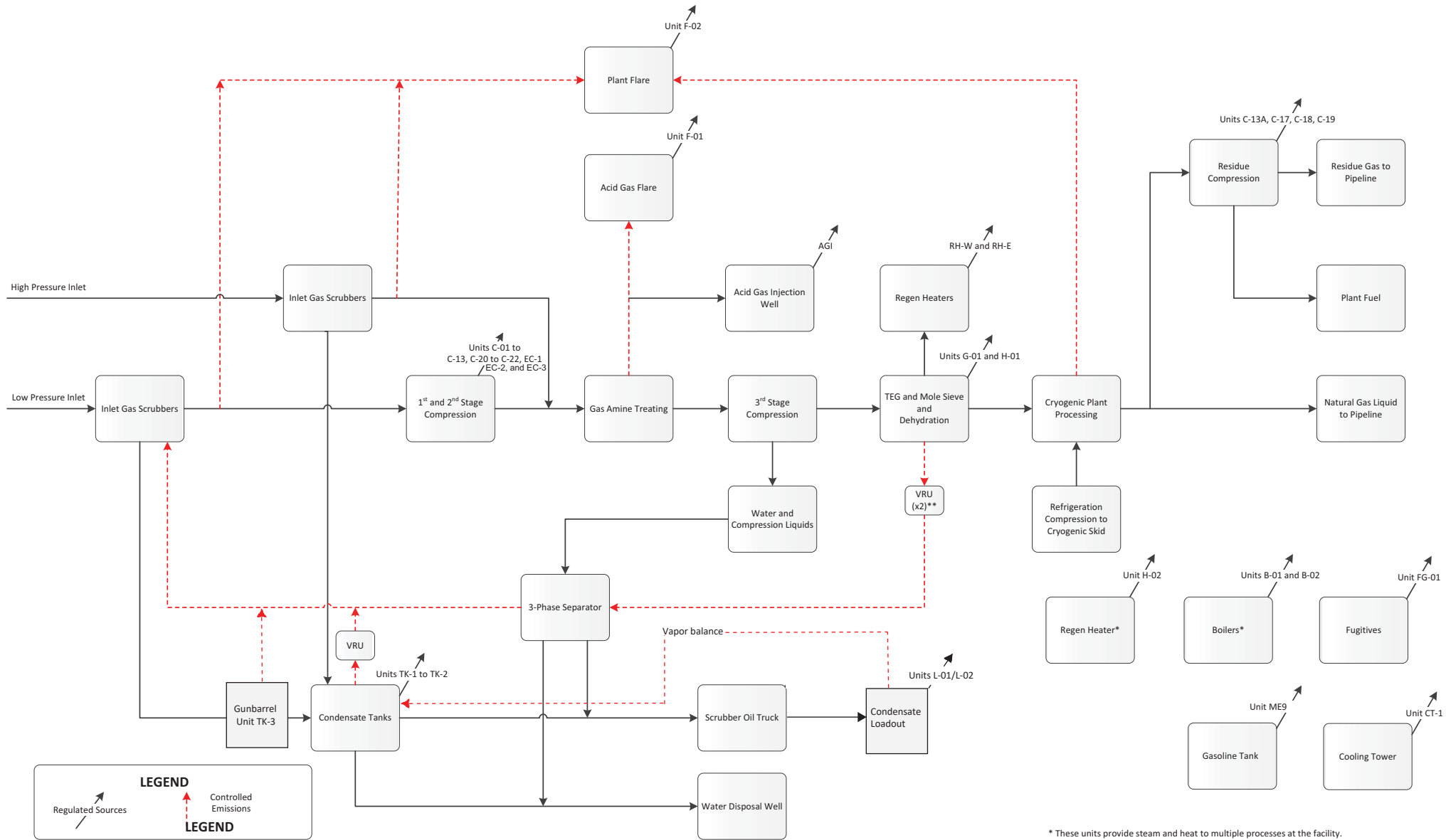
Section 4

Process Flow Sheet

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

A process flow sheet is attached.

Targa Eunice Gas Plant – Process Flow Diagram



LEGEND

Regulated Sources (indicated by a solid black arrow)

Controlled Emissions (indicated by a dashed red arrow)

LEGEND

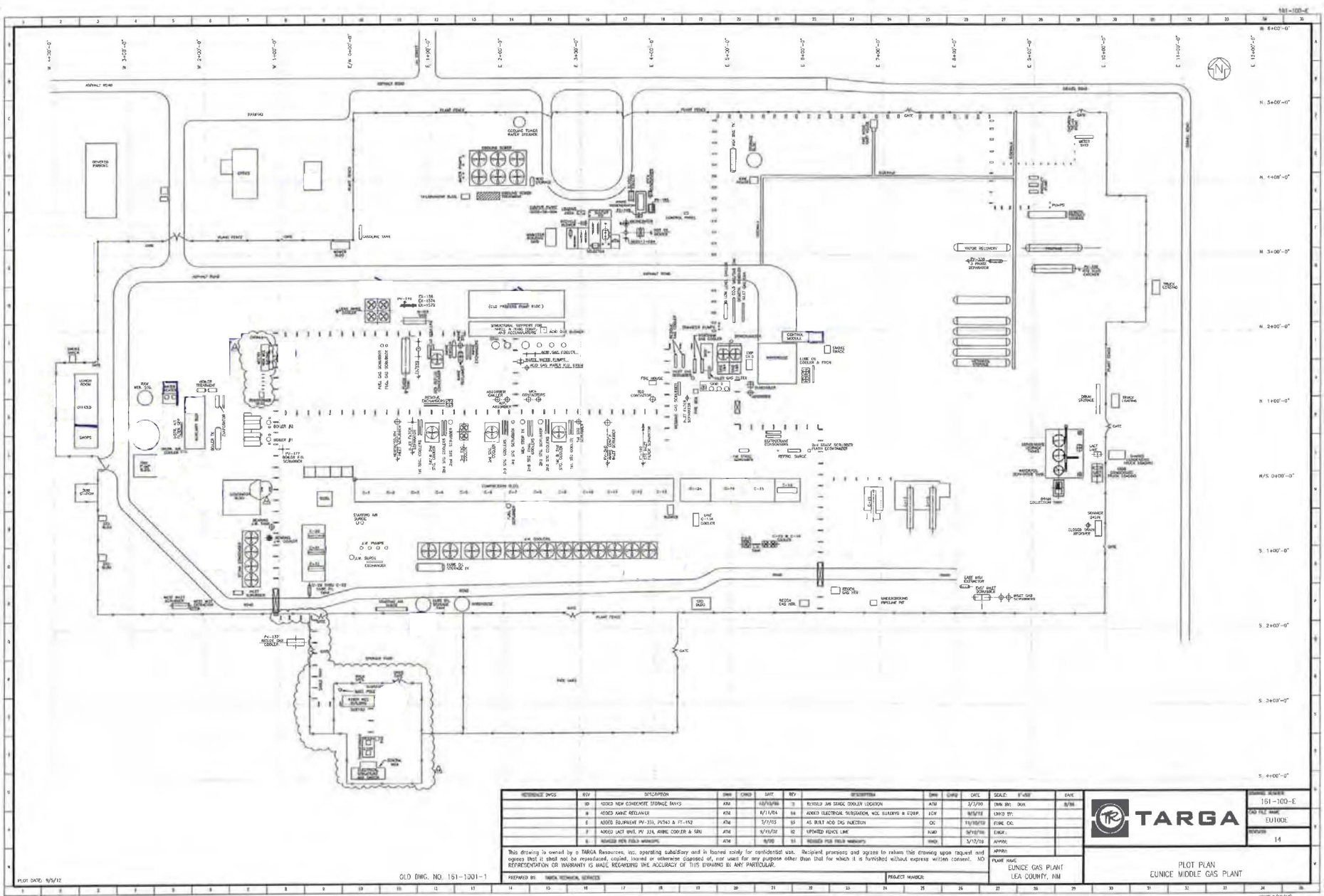
* These units provide steam and heat to multiple processes at the facility.
 ** The TEG dehydrator (Unit G-01) is controlled by a VRU and a backup VRU.

Section 5

Plot Plan Drawn To Scale

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

A plot plan is attached.



REVISIONS DWG	REV	DESCRIPTION	DESIGNED	CHECKED	DRAWN	DATE	REV	DESCRIPTION	DESIGNED	CHECKED	DRAWN	DATE
	01	ISSUE FOR CONSTRUCTION	ATW			10/15/10	01	REVISED PER FIELD MEASUREMENTS	ATW			2/7/10
	02	REVISED PER FIELD MEASUREMENTS	ATW			10/15/10	02	REVISED PER FIELD MEASUREMENTS	ATW			2/7/10
	03	REVISED PER FIELD MEASUREMENTS	ATW			10/15/10	03	REVISED PER FIELD MEASUREMENTS	ATW			2/7/10
	04	REVISED PER FIELD MEASUREMENTS	ATW			10/15/10	04	REVISED PER FIELD MEASUREMENTS	ATW			2/7/10
	05	REVISED PER FIELD MEASUREMENTS	ATW			10/15/10	05	REVISED PER FIELD MEASUREMENTS	ATW			2/7/10

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SCALE:	AS SHOWN
DATE:	10/15/10
PROJECT NAME:	EUNICE GAS PLANT LEA COUNTY, NM
PROJECT NUMBER:	151-100-E
DATE:	2/7/10
DRAWN BY:	ATW
CHECKED BY:	ATW
DESIGNED BY:	ATW
DATE:	10/15/10
SCALE:	AS SHOWN
DATE:	10/15/10
DRAWN BY:	ATW
CHECKED BY:	ATW
DESIGNED BY:	ATW
DATE:	10/15/10



PLOT PLAN
EUNICE MIDDLE GAS PLANT

PLOT DATE: 9/5/12

OLD DWG. NO. 151-1001-1

DWG 5/12/10

Section 6

All Calculations

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

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

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

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

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

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

Significant Figures:

A. All emissions standards are deemed to have at least two significant figures, but not more than three significant figures.

B. At least 5 significant figures shall be retained in all intermediate calculations.

C. In calculating emissions to determine compliance with an emission standard, the following rounding off procedures shall be used:

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

Control Devices: In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device

regardless if the applicant takes credit for the reduction in emissions. The applicant can indicate in this section of the application if they chose to not take credit for the reduction in emission rates. For notices of intent submitted under 20.2.73 NMAC, only uncontrolled emission rates can be considered to determine applicability unless the state or federal Acts require the control. This information is necessary to determine if federally enforceable conditions are necessary for the control device, and/or if the control device produces its own regulated pollutants or increases emission rates of other pollutants.

Only emissions affected by the proposed changes are included in this section.

TK-1 & TK-2

A ProMax simulation was used to predict the hourly and annual emissions from the two tanks (TK-1 and TK-2) at the facility. These two tanks are controlled by a VRU with 100% capture efficiency. The only emissions expected from the tanks are associated with VRU downtime and are represented under emission unit SSM-VRU.

SSM-VRU

The hourly and annual emission rates associated with VOC and H₂S emissions will be affected by this change. A ProMax simulation was used to predict the hourly and annual emissions from the two tanks (TK-1 and TK-2) at the facility. These two tanks are controlled by a VRU. The only emissions from the tanks are associated with VRU downtime. The maximum requested downtime of the VRU will be updated with this application from 5% to 3.75% annually, based on historical VRU downtime at the facility.

L-01 & L-02

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 with TK-1 and TK-2, which are controlled by a VRU. Per AP-42 Section 5.2, a collection efficiency of 70% is assumed for trucks not passing one of the NSPS-level annual tests.

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)

Eunice Gas Plant

Condensate Increase: Summary of Project Emissions

(Not for PSD applicability determination purposes)

Uncontrolled Scenario Emission Rates																
Unit	NO _x		CO		VOC		SO _x		PM		H ₂ S		HAP		CO ₂ e	
	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
TK-1	-	-	-	-	117.80	515.95	-	-	-	-	1.27	5.56	3.82	16.75	*	82.91
TK-2	-	-	-	-	117.80	515.95	-	-	-	-	1.27	5.56	3.82	16.75	*	82.91
SSM-VRU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L-01	-	-	-	-	65.48	27.15	-	-	-	-	0.36	0.15	2.46	1.02	*	0.60
L-02	-	-	-	-	65.48	-	-	-	-	-	0.36	-	2.46	-	*	-
Total	-	-	-	-	366.56	1059.04	-	-	-	-	3.26	11.26	12.56	34.51	*	166.43

Controlled Scenario Emission Rates																
Unit	NO _x		CO		VOC		SO _x		PM		H ₂ S		HAP		CO ₂ e	
	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
TK-1 ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TK-2 ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSM-VRU	-	-	-	-	239.93	39.41	-	-	-	-	2.56	0.42	7.81	1.28	*	6.23
L-01 ²	-	-	-	-	19.65	8.15	-	-	-	-	0.11	0.045	0.74	0.31	*	0.18
L-02 ²	-	-	-	-	19.65	-	-	-	-	-	0.11	-	0.74	-	*	-
Total	-	-	-	-	279.22	47.55	-	-	-	-	2.78	0.47	9.28	1.59	*	6.41

¹ Condensate tank emissions are controlled by a VRU with 100% capture and have no emissions in the controlled scenario. VRU downtime emissions from TK-1 and TK-2 are included under unit SSM-VRU.² Condensate loading emissions are controlled by vapor balancing. A collection efficiency of 70% is applied per AP-42 Section 5.2 for trucks not passing one of the NSPS-level annual test.

**" Indicates an hourly limit is not appropriate for this unit.

-" Indicates emissions of this pollutant are not expected.

Condensate Tank Emissions

Emission unit number(s): TK-1 & TK-2

Source description: Condensate Tank Emissions

Number of units: 2

VRU Capture Efficiency: 100.0%

Component	Tank Feed Rates and Composition					VRU Capture Efficiency (%)	Total Emissions Per Tank	
	ProMax Flash ¹	ProMax Working ¹	ProMax Breathing ¹	Total	Total		(lb/hr)	(tpy)
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(tpy)			
Nitrogen	1.57E-02	1.90E-05	4.22E-06	1.57E-02	6.87E-02	100.0%	0.00E+00	0.00E+00
Carbon Dioxide	4.49E-01	9.75E-03	2.16E-03	4.61E-01	2.02E+00	100.0%	0.00E+00	0.00E+00
Methane	1.49E+00	8.69E-03	1.93E-03	1.50E+00	6.55E+00	100.0%	0.00E+00	0.00E+00
Ethane	1.57E+01	5.31E-01	1.18E-01	1.64E+01	7.18E+01	100.0%	0.00E+00	0.00E+00
Propane	6.75E+01	2.49E+00	5.53E-01	7.06E+01	3.09E+02	100.0%	0.00E+00	0.00E+00
Isobutane	2.03E+01	8.63E-01	1.91E-01	2.14E+01	9.36E+01	100.0%	0.00E+00	0.00E+00
n-Butane	6.01E+01	2.88E+00	6.39E-01	6.36E+01	2.79E+02	100.0%	0.00E+00	0.00E+00
Cyclopentane	2.15E+00	1.03E-01	2.27E-02	2.28E+00	9.98E+00	100.0%	0.00E+00	0.00E+00
Isopentane	2.30E+01	1.20E+00	2.66E-01	2.44E+01	1.07E+02	100.0%	0.00E+00	0.00E+00
n-Pentane	2.50E+01	1.35E+00	2.99E-01	2.67E+01	1.17E+02	100.0%	0.00E+00	0.00E+00
Benzene	1.41E+00	5.30E-02	1.18E-02	1.48E+00	6.47E+00	100.0%	0.00E+00	0.00E+00
Cyclohexane	2.10E+00	1.01E-01	2.24E-02	2.22E+00	9.72E+00	100.0%	0.00E+00	0.00E+00
Methylcyclopentane	2.79E+00	1.47E-01	3.26E-02	2.97E+00	1.30E+01	100.0%	0.00E+00	0.00E+00
n-Hexane	5.10E+00	3.04E-01	6.74E-02	5.47E+00	2.39E+01	100.0%	0.00E+00	0.00E+00
2-Methylpentane	4.72E+00	2.68E-01	5.93E-02	5.05E+00	2.21E+01	100.0%	0.00E+00	0.00E+00
3-Methylpentane	2.77E+00	1.60E-01	3.54E-02	2.97E+00	1.30E+01	100.0%	0.00E+00	0.00E+00
Neohexane	2.06E-01	1.18E-02	2.62E-03	2.20E-01	9.64E-01	100.0%	0.00E+00	0.00E+00
Toluene	5.64E-01	2.33E-02	5.18E-03	5.92E-01	2.59E+00	100.0%	0.00E+00	0.00E+00
Cyclopentane, 1,3-Dimethyl-, cis-	3.24E-01	1.76E-02	3.90E-03	3.46E-01	1.51E+00	100.0%	0.00E+00	0.00E+00
Methylcyclohexane	1.13E+00	6.80E-02	1.51E-02	1.21E+00	5.30E+00	100.0%	0.00E+00	0.00E+00
2-Methylhexane	5.24E-01	2.98E-02	6.60E-03	5.60E-01	2.45E+00	100.0%	0.00E+00	0.00E+00
3-Methylhexane	7.59E-01	4.53E-02	1.00E-02	8.14E-01	3.57E+00	100.0%	0.00E+00	0.00E+00
2,3-Dimethylpentane	2.89E-01	1.69E-02	3.76E-03	3.09E-01	1.35E+00	100.0%	0.00E+00	0.00E+00
n-Heptane	1.47E+00	8.62E-02	1.91E-02	1.58E+00	6.91E+00	100.0%	0.00E+00	0.00E+00
Ethylbenzene	3.84E-02	1.81E-03	4.01E-04	4.06E-02	1.78E-01	100.0%	0.00E+00	0.00E+00
m-Xylene	5.16E-02	2.32E-03	5.15E-04	5.44E-02	2.38E-01	100.0%	0.00E+00	0.00E+00
o-Xylene	1.38E-02	5.71E-04	1.27E-04	1.45E-02	6.34E-02	100.0%	0.00E+00	0.00E+00
Cyclooctane	4.87E-03	2.52E-04	5.59E-05	5.18E-03	2.27E-02	100.0%	0.00E+00	0.00E+00
Ethylcyclohexane	4.25E-02	2.39E-03	5.31E-04	4.55E-02	1.99E-01	100.0%	0.00E+00	0.00E+00
2,5-Dimethylhexane	2.22E-02	1.32E-03	2.94E-04	2.38E-02	1.04E-01	100.0%	0.00E+00	0.00E+00
2-Methylheptane	1.51E-01	9.10E-03	2.02E-03	1.63E-01	7.12E-01	100.0%	0.00E+00	0.00E+00
n-Octane	3.83E-01	2.09E-02	4.64E-03	4.09E-01	1.79E+00	100.0%	0.00E+00	0.00E+00
1,2,4-Trimethylbenzene	1.85E-03	7.54E-05	1.67E-05	1.95E-03	8.53E-03	100.0%	0.00E+00	0.00E+00
Isopropylbenzene	1.93E-03	9.40E-05	2.08E-05	2.04E-03	8.94E-03	100.0%	0.00E+00	0.00E+00
n-Propylbenzene	1.28E-03	5.86E-05	1.30E-05	1.36E-03	5.94E-03	100.0%	0.00E+00	0.00E+00
n-Nonane	4.50E-02	2.26E-03	5.02E-04	4.78E-02	2.09E-01	100.0%	0.00E+00	0.00E+00
i-Butylbenzene	1.17E-04	4.96E-06	1.10E-06	1.23E-04	5.38E-04	100.0%	0.00E+00	0.00E+00
n-Butylbenzene	2.04E-04	9.16E-06	2.03E-06	2.15E-04	9.43E-04	100.0%	0.00E+00	0.00E+00
n-Decane	7.44E-03	3.29E-04	7.29E-05	7.85E-03	3.44E-02	100.0%	0.00E+00	0.00E+00
Undecane	8.30E-04	4.67E-05	1.04E-05	8.87E-04	3.89E-03	100.0%	0.00E+00	0.00E+00
Dodecane	4.16E-05	2.00E-06	4.45E-07	4.41E-05	1.93E-04	100.0%	0.00E+00	0.00E+00
Hydrogen Sulfide	2.47E+00	5.67E-02	1.26E-02	2.54E+00	1.11E+01	100.0%	0.00E+00	0.00E+00
Total	243.22	10.86	2.41	256.49	1,123.44	--	--	--
Total VOC	223.06	10.26	2.27	235.59	1,031.89	--	--	--
Total H₂S	2.47	0.057	0.013	2.54	11.11	--	--	--
Total HAP	7.18	0.39	0.085	7.65	33.49	--	--	--

¹ Flash, Working, and Breathing emissions from ProMax simulation of the process. '13 psia Gas', 'Working', and 'Breathing' streams referenced, respectively.

² Condensate tank emissions are controlled by a vapor recovery unit with a capture efficiency of 100%.

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

VRU Downtime Emissions

Emission unit number(s): SSM-VRU

Source description: VRU Downtime Emissions

VRU Capture Efficiency: 100%

Loading Vapor Balance

Capture Efficiency: 70%

VRU Downtime: 3.75%

Component	VRU Feed Rates and Composition						VRU Annual Downtime (%)	VRU SSM (tpy)
	ProMax Flash ^{1,2} (lb/hr)	ProMax Working ^{1,2} (lb/hr)	ProMax Breathing ^{1,2} (lb/hr)	ProMax Loading ^{1,3} (lb/hr)	Total (lb/hr)	Total (tpy)		
Nitrogen	1.57E-02	1.90E-05	4.22E-06	8.06E-06	1.57E-02	6.87E-02	3.75%	2.58E-03
Carbon Dioxide	4.49E-01	9.75E-03	2.16E-03	4.13E-03	4.65E-01	2.04E+00	3.75%	7.64E-02
Methane	1.49E+00	8.69E-03	1.93E-03	3.68E-03	1.50E+00	6.57E+00	3.75%	2.46E-01
Ethane	1.57E+01	5.31E-01	1.18E-01	2.24E-01	1.66E+01	7.28E+01	3.75%	2.73E+00
Propane	6.75E+01	2.49E+00	5.53E-01	1.05E+00	7.16E+01	3.14E+02	3.75%	1.18E+01
Isobutane	2.03E+01	8.63E-01	1.91E-01	3.65E-01	2.17E+01	9.52E+01	3.75%	3.57E+00
n-Butane	6.01E+01	2.88E+00	6.39E-01	1.22E+00	6.48E+01	2.84E+02	3.75%	1.06E+01
Cyclopentane	2.15E+00	1.03E-01	2.27E-02	4.34E-02	2.32E+00	1.02E+01	3.75%	3.82E-01
Isopentane	2.30E+01	1.20E+00	2.66E-01	5.07E-01	2.50E+01	1.09E+02	3.75%	4.10E+00
n-Pentane	2.50E+01	1.35E+00	2.99E-01	5.70E-01	2.73E+01	1.19E+02	3.75%	4.48E+00
Benzene	1.41E+00	5.30E-02	1.18E-02	2.24E-02	1.50E+00	6.57E+00	3.75%	2.46E-01
Cyclohexane	2.10E+00	1.01E-01	2.24E-02	4.28E-02	2.26E+00	9.91E+00	3.75%	3.72E-01
Methylcyclopentane	2.79E+00	1.47E-01	3.26E-02	6.22E-02	3.03E+00	1.33E+01	3.75%	4.98E-01
n-Hexane	5.10E+00	3.04E-01	6.74E-02	1.29E-01	5.60E+00	2.45E+01	3.75%	9.19E-01
2-Methylpentane	4.72E+00	2.68E-01	5.93E-02	1.13E-01	5.16E+00	2.26E+01	3.75%	8.48E-01
3-Methylpentane	2.77E+00	1.60E-01	3.54E-02	6.76E-02	3.04E+00	1.33E+01	3.75%	4.99E-01
Neohexane	2.06E-01	1.18E-02	2.62E-03	5.00E-03	2.25E-01	9.86E-01	3.75%	3.70E-02
Toluene	5.64E-01	2.33E-02	5.18E-03	9.87E-03	6.02E-01	2.64E+00	3.75%	9.89E-02
Cyclopentane, 1,3-Dimethyl-, cis-	3.24E-01	1.76E-02	3.90E-03	7.44E-03	3.53E-01	1.55E+00	3.75%	5.80E-02
Methylcyclohexane	1.13E+00	6.80E-02	1.51E-02	2.88E-02	1.24E+00	5.43E+00	3.75%	2.04E-01
2-Methylhexane	5.24E-01	2.98E-02	6.60E-03	1.26E-02	5.73E-01	2.51E+00	3.75%	9.41E-02
3-Methylhexane	7.59E-01	4.53E-02	1.00E-02	1.91E-02	8.34E-01	3.65E+00	3.75%	1.37E-01
2,3-Dimethylpentane	2.89E-01	1.69E-02	3.76E-03	7.17E-03	3.16E-01	1.39E+00	3.75%	5.20E-02
n-Heptane	1.47E+00	8.62E-02	1.91E-02	3.65E-02	1.61E+00	7.07E+00	3.75%	2.65E-01
Ethylbenzene	3.84E-02	1.81E-03	4.01E-04	7.65E-04	4.13E-02	1.81E-01	3.75%	6.79E-03
m-Xylene	5.16E-02	2.32E-03	5.15E-04	9.83E-04	5.54E-02	2.43E-01	3.75%	9.10E-03
o-Xylene	1.38E-02	5.71E-04	1.27E-04	2.41E-04	1.47E-02	6.44E-02	3.75%	2.42E-03
Cyclooctane	4.87E-03	2.52E-04	5.59E-05	1.07E-04	5.29E-03	2.31E-02	3.75%	8.68E-04
Ethylcyclohexane	4.25E-02	2.39E-03	5.31E-04	1.01E-03	4.65E-02	2.04E-01	3.75%	7.64E-03
2,5-Dimethylhexane	2.22E-02	1.32E-03	2.94E-04	5.60E-04	2.44E-02	1.07E-01	3.75%	4.01E-03
2-Methylheptane	1.51E-01	9.10E-03	2.02E-03	3.85E-03	1.66E-01	7.29E-01	3.75%	2.73E-02
n-Octane	3.83E-01	2.09E-02	4.64E-03	8.85E-03	4.18E-01	1.83E+00	3.75%	6.86E-02
1,2,4-Trimethylbenzene	1.85E-03	7.54E-05	1.67E-05	3.19E-05	1.98E-03	8.67E-03	3.75%	3.25E-04
Isopropylbenzene	1.93E-03	9.40E-05	2.08E-05	3.97E-05	2.08E-03	9.12E-03	3.75%	3.42E-04
n-Propylbenzene	1.28E-03	5.86E-05	1.30E-05	2.48E-05	1.38E-03	6.05E-03	3.75%	2.27E-04
n-Nonane	4.50E-02	2.26E-03	5.02E-04	9.58E-04	4.88E-02	2.14E-01	3.75%	8.01E-03
i-Butylbenzene	1.17E-04	4.96E-06	1.10E-06	2.10E-06	1.25E-04	5.47E-04	3.75%	2.05E-05
n-Butylbenzene	2.04E-04	9.16E-06	2.03E-06	3.87E-06	2.19E-04	9.60E-04	3.75%	3.60E-05
n-Decane	7.44E-03	3.29E-04	7.29E-05	1.39E-04	7.99E-03	3.50E-02	3.75%	1.31E-03
Undecane	8.30E-04	4.67E-05	1.04E-05	1.98E-05	9.07E-04	3.97E-03	3.75%	1.49E-04
Dodecane	4.16E-05	2.00E-06	4.45E-07	8.48E-07	4.49E-05	1.97E-04	3.75%	7.38E-06
Hydrogen Sulfide	2.47E+00	5.67E-02	1.26E-02	2.40E-02	2.56E+00	1.12E+01	3.75%	4.21E-01
Total	243.22	10.86	2.41	4.60	261.09	1,143.57	--	42.88
Total VOC	223.06	10.26	2.27	4.34	239.93	1,050.90	--	39.41
Total H₂S	2.47	0.057	0.013	0.024	2.56	11.22	--	0.42
Total HAP	7.18	0.39	0.085	0.163	7.81	34.21	--	1.28

¹ Flash, Working, Breathing, and Loading emissions from ProMax simulation of the process. '13 psia Gas', 'Working', 'Breathing', and 'Loading' streams referenced, respectively.

² Condensate tank emissions are controlled by a vapor recovery unit with a capture efficiency of 100%. The emissions here represent the 100% captured.

³ Condensate loading emissions are controlled by vapor balancing. A collection efficiency of 70% is applied per AP-42 Section 5.2 for trucks not passing one of the NSPS-level annual test. The emissions here represent the 70% captured. The 30% uncaptured emissions are represented at units L-01/L-02.

Condensate Loading Emissions

Emission unit number(s): L-01 and L-02

Source description: Condensate Loading Emissions

Equation¹:

$$L_L = 12.46 * \frac{SPM}{T}$$

Variables²:

L_L - Loading Loss (lbs/1000 gal loaded)
 S - Saturation Factor (From Table 5.2-1 of AP-42, Section 5.2)
 P - True Vapor Pressure of Loaded Liquid (psia)
 M - Molecular Weight of Vapor (lb/lb mol)
 T - Temperature of Bulk Liquid (°R = [°F + 460])

Inputs

Control Efficiency ²	70%	%
Max Hourly Throughput	8,000.00	gal/hr
Annual Throughput	7,080,395	gal/yr

Annual Condensate Loading Emissions

Emissions	ProMax Uncontrolled Emissions		ProMax Controlled Emissions ²	
	lb/hr ³	tn/yr	lb/hr ³	tn/yr
Nitrogen	1.15E-05	5.04E-05	3.45E-06	1.51E-05
Carbon Dioxide	5.89E-03	2.58E-02	1.77E-03	7.75E-03
Methane	5.25E-03	2.30E-02	1.58E-03	6.90E-03
Ethane	3.21E-01	1.40E+00	9.62E-02	4.21E-01
Propane	1.51E+00	6.59E+00	4.52E-01	1.98E+00
Isobutane	5.22E-01	2.28E+00	1.56E-01	6.85E-01
n-Butane	1.74E+00	7.63E+00	5.23E-01	2.29E+00
Cyclopentane	6.20E-02	2.71E-01	1.86E-02	8.14E-02
Isopentane	7.24E-01	3.17E+00	2.17E-01	9.51E-01
n-Pentane	8.14E-01	3.57E+00	2.44E-01	1.07E+00
Benzene	3.20E-02	1.40E-01	9.61E-03	4.21E-02
Cyclohexane	6.11E-02	2.68E-01	1.83E-02	8.03E-02
Methylcyclopentane	8.89E-02	3.89E-01	2.67E-02	1.17E-01
n-Hexane	1.84E-01	8.05E-01	5.51E-02	2.41E-01
2-Methylpentane	1.62E-01	7.08E-01	4.85E-02	2.12E-01
3-Methylpentane	9.66E-02	4.23E-01	2.90E-02	1.27E-01
Neohexane	7.15E-03	3.13E-02	2.14E-03	9.39E-03
Toluene	1.41E-02	6.18E-02	4.23E-03	1.85E-02
Cyclopentane, 1,3-Dimethyl	1.06E-02	4.66E-02	3.19E-03	1.40E-02
Methylcyclohexane	4.11E-02	1.80E-01	1.23E-02	5.40E-02
2-Methylhexane	1.80E-02	7.88E-02	5.40E-03	2.36E-02
3-Methylhexane	2.73E-02	1.20E-01	8.20E-03	3.59E-02
2,3-Dimethylpentane	1.02E-02	4.48E-02	3.07E-03	1.35E-02
n-Heptane	5.21E-02	2.28E-01	1.56E-02	6.84E-02
Ethylbenzene	1.09E-03	4.79E-03	3.28E-04	1.44E-03
m-Xylene	1.40E-03	6.15E-03	4.21E-04	1.85E-03
o-Xylene	3.45E-04	1.51E-03	1.03E-04	4.53E-04
Cyclooctane	1.52E-04	6.67E-04	4.57E-05	2.00E-04
Ethylcyclohexane	1.45E-03	6.34E-03	4.34E-04	1.90E-03
2,5-Dimethylhexane	8.00E-04	3.50E-03	2.40E-04	1.05E-03
2-Methylheptane	5.50E-03	2.41E-02	1.65E-03	7.23E-03
n-Octane	1.26E-02	5.54E-02	3.79E-03	1.66E-02
1,2,4-Trimethylbenzene	4.56E-05	2.00E-04	1.37E-05	5.99E-05
Isopropylbenzene	5.68E-05	2.49E-04	1.70E-05	7.46E-05
n-Propylbenzene	3.54E-05	1.55E-04	1.06E-05	4.65E-05
n-Nonane	1.37E-03	5.99E-03	4.10E-04	1.80E-03
i-Butylbenzene	2.99E-06	1.31E-05	8.98E-07	3.93E-06
n-Butylbenzene	5.54E-06	2.42E-05	1.66E-06	7.27E-06
n-Decane	1.99E-04	8.71E-04	5.96E-05	2.61E-04
Undecane	2.82E-05	1.24E-04	8.47E-06	3.71E-05
Dodecane	1.21E-06	5.31E-06	3.63E-07	1.59E-06
Hydrogen Sulfide	3.43E-02	1.50E-01	1.03E-02	4.51E-02
Total VOC	*	27.15	*	8.15
Total HAP	*	1.02	*	0.31
Total H₂S	*	0.15	*	0.045
Total CO₂e⁴	*	0.60	*	0.18

*Average hourly emission rates generated in ProMax Loading stream. See Max Hourly Emissions table below for ProMax calculated maximum hourly emission rates.

Max Hourly Condensate Loading Emissions³

Pollutant	ProMax HAP/H ₂ S to VOC Percentage	Uncontrolled Max Hourly Emissions (lb/hr)	Controlled Max Hourly Emissions (lb/hr) ²
Total VOC	-	65.48	19.65
Total HAP	3.8%	2.46	0.74
Total H₂S	0.55%	0.36	0.11

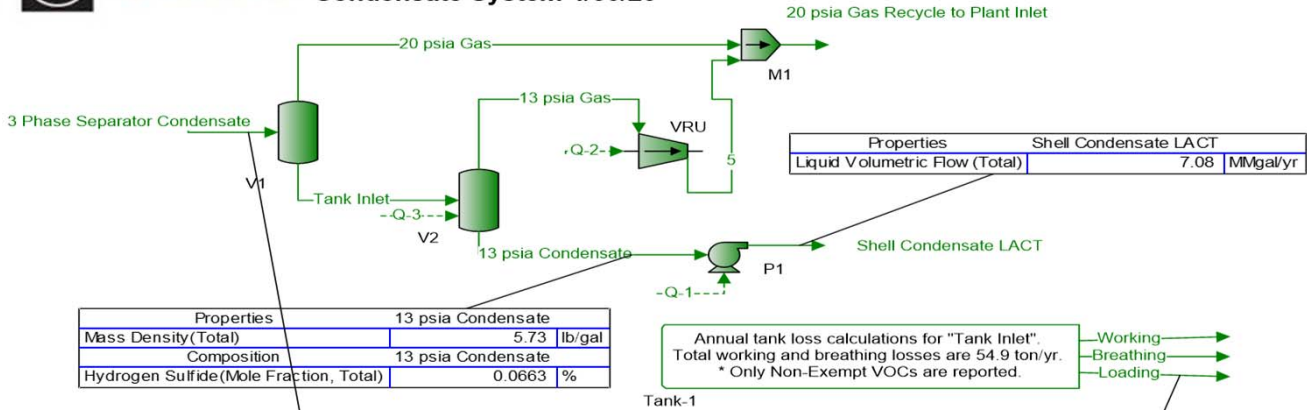
¹ Loading Loss Equation and Variables are from AP-42, Section 5.2, Transportation and Marketing of Petroleum Liquids, are used in a ProMax simulation of the facility to generate the above emissions.² Condensate loading emissions are controlled by vapor balancing. A collection efficiency of 70% is applied per AP-42 Section 5.2 for trucks not passing one of the NSPS-level annual test.³ Average hourly emission rates generated in ProMax Loading stream. Max Hourly Emissions table for ProMax calculated maximum hourly emission rates.⁴ Global Warming Potentials (GWP) are from Table A-1 of the EPA GHG MRR under 40 CFR Part 98.

CH₄ GWP = 25
 CO₂ GWP = 1



TARGA

**Eunice Middle Plant
Condensate System 4/30/20**



Properties		13 psia Condensate
Mass Density(Total)		5.73 lb/gal
Composition		13 psia Condensate
Hydrogen Sulfide(Mole Fraction, Total)		0.0663 %

Tank-1
Annual tank loss calculations for "Tank Inlet".
Total working and breathing losses are 54.9 ton/yr.
* Only Non-Exempt VOCs are reported.

Working →
Breathing →
Loading →

Composition		3 Phase Separator Condensate
Nitrogen(Mole Fraction, Total)		0.015* %
Carbon Dioxide(Mole Fraction, Total)		0.0439* %
Methane(Mole Fraction, Total)		0.787* %
Ethane(Mole Fraction, Total)		1.8* %
Propane(Mole Fraction, Total)		6.8* %
Isobutane(Mole Fraction, Total)		2.83* %
n-Butane(Mole Fraction, Total)		11.7* %
Cyclopentane(Mole Fraction, Total)		1.48* %
Isopentane(Mole Fraction, Total)		8.27* %
n-Pentane(Mole Fraction, Total)		12* %
Benzene(Mole Fraction, Total)		2.21* %
Cyclohexane(Mole Fraction, Total)		3.77* %
Methylcyclopentane(Mole Fraction, Total)		3.9* %
n-Hexane(Mole Fraction, Total)		7.15* %
2-Methylpentane(Mole Fraction, Total)		4.54* %
3-Methylpentane(Mole Fraction, Total)		3.02* %
Neohexane(Mole Fraction, Total)		0.135* %
Toluene(Mole Fraction, Total)		2.75* %
Cyclopentane, 1,3-Dimethyl-, cis-(Mole Fraction, Total)		0.824* %
Methylcyclohexane(Mole Fraction, Total)		4.55* %
2-Methylhexane(Mole Fraction, Total)		1.38* %
3-Methylhexane(Mole Fraction, Total)		2.24* %
2,3-Dimethylpentane(Mole Fraction, Total)		0.747* %
n-Heptane(Mole Fraction, Total)		5.77* %
Ethylbenzene(Mole Fraction, Total)		0.566* %
m-Xylene(Mole Fraction, Total)		0.832* %
o-Xylene(Mole Fraction, Total)		0.257* %
Cyclooctane(Mole Fraction, Total)		0.126* %
Ethylcyclohexane(Mole Fraction, Total)		0.517* %
2,5-Dimethylhexane(Mole Fraction, Total)		0.118* %
2-Methylheptane(Mole Fraction, Total)		1.2* %
n-Octane(Mole Fraction, Total)		4.46* %
1,2,4-Trimethylbenzene(Mole Fraction, Total)		0.101* %
Isopropylbenzene(Mole Fraction, Total)		0.0549* %
n-Propylbenzene(Mole Fraction, Total)		0.0449* %
n-Nonane(Mole Fraction, Total)		1.61* %
i-Butylbenzene(Mole Fraction, Total)		0.00599* %
n-Butylbenzene(Mole Fraction, Total)		0.0209* %
n-Decane(Mole Fraction, Total)		0.762* %
Undecane(Mole Fraction, Total)		0.263* %
Dodecane(Mole Fraction, Total)		0.0369* %
Hydrogen Sulfide(Mole Fraction, Total)		0.247* %

Properties		Loading
Temperature(Total)		539 R
Molecular Weight(Total)		56.2 lb/lbmol

"13 psia Gas" Component Sums		
BTEX	9.111	ton/yr
GHGs	8.472	ton/yr
HAPs	42.25	ton/yr
VOCs	977	ton/yr

Haul Road Emissions - Exempt per 20.2.72.202(B)(5)

Emission unit number(s): HAUL
 Source description: Haul Road Emissions

Input Data

Empty vehicle weight ¹	16	tons
Load weight ²	22.8	tons
Loaded vehicle ³	38.8	tons
Mean vehicle weight ⁴	27.4	tons
Condensate loadout	462	bbl/day
Loadout volume	168,581	bbl/yr
Vehicle size	190	bbl
Round-trip distance	0.30	mile/trip
Trip frequency ⁵	4.0	trips/hour
Trip frequency ⁶	885	trips/yr
Surface silt content ⁷	3.9	%
Annual wet days ⁸	60	days/yr
Vehicle miles traveled ⁹	1.20	mile/hr

Emission Factors and Constants

Parameter	PM ₃₀	PM ₁₀	PM _{2.5}
k, lb/VMT ¹⁰	4.9	1.5	0.15
a, lb/VMT ¹⁰	0.70	0.90	0.90
b, lb/VMT ¹⁰	0.45	0.45	0.45
Hourly EF, lb/VMT ¹¹	6.04	1.48	0.15
Annual EF, lb/VMT ¹²	5.04	1.23	0.12

Emission Calculations

	PM ₃₀	PM ₁₀	PM _{2.5}
	7.2	1.8	0.18 lb/hr ¹³
	0.67	0.16	0.016 ton/yr ¹⁴

Notes

- ¹ Empty vehicle weight includes driver and occupants and full fuel load.
- ² Cargo, transported materials, etc. (5.7 lb/gal RVP5 *8000 gal truck/ 2000lb/ton)
- ³ Loaded vehicle weight = Empty + Load Size
- ⁴ Mean Vehicle weight = (Loaded Weight + Empty Weight) / 2
- ⁵ Trips per hour = Total loadout spots / Loading time
- ⁶ Trips per year = Total throughput (bbl/yr) / Truck size (bbl)
- ⁷ Unpaved Road Surface Material Silt Content Values Used in the 1999 NEI for New Mexico.
- ⁸ AP-42 Figure 13.2.2-1
- ⁹ VMT/hr = Vehicle Miles Traveled per hour= Trips per hour * Segment Length
- ¹⁰ Table 13.2.2-2, Industrial Roads
- ¹¹ AP-42 13.2.2, Equation 1a
- ¹² AP-42 13.2.2, Equation 2
- ¹³ lb/hr = Hourly EF (lb/VMT) * VMT (mile/hr)
- ¹⁴ ton/yr =Annual EF (lb/VMT) * VMT (mile/Trip) * Trips per year (Trip/yr) / 2000 (lb/tpy)

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.
-

Units TK-1 & TK-2

- ProMax
- 3-Phase Separator Condensate Analysis

Unit SSM-VRU

- ProMax
- 3-Phase Separator Condensate Analysis

Units L-01 & L-02

- ProMax
- 3-Phase Separator Condensate Analysis
- AP-42 Section 5.2

5.2 Transportation And Marketing Of Petroleum Liquids¹⁻³

5.2.1 General

The transportation and marketing of petroleum liquids involve many distinct operations, each of which represents a potential source of evaporation loss. Crude oil is transported from production operations to a refinery by tankers, barges, rail tank cars, tank trucks, and pipelines. Refined petroleum products are conveyed to fuel marketing terminals and petrochemical industries by these same modes. From the fuel marketing terminals, the fuels are delivered by tank trucks to service stations, commercial accounts, and local bulk storage plants. The final destination for gasoline is usually a motor vehicle gasoline tank. Similar distribution paths exist for fuel oils and other petroleum products. A general depiction of these activities is shown in Figure 5.2-1.

5.2.2 Emissions And Controls

Evaporative emissions from the transportation and marketing of petroleum liquids may be considered, by storage equipment and mode of transportation used, in four categories:

1. Rail tank cars, tank trucks, and marine vessels: loading, transit, and ballasting losses.
2. Service stations: bulk fuel drop losses and underground tank breathing losses.
3. Motor vehicle tanks: refueling losses.
4. Large storage tanks: breathing, working, and standing storage losses. (See Chapter 7, "Liquid Storage Tanks".)

Evaporative and exhaust emissions are also associated with motor vehicle operation, and these topics are discussed in AP-42 *Volume II: Mobile Sources*.

5.2.2.1 Rail Tank Cars, Tank Trucks, And Marine Vessels -

Emissions from these sources are from loading losses, ballasting losses, and transit losses.

5.2.2.1.1 Loading Losses -

Loading losses are the primary source of evaporative emissions from rail tank car, tank truck, and marine vessel operations. Loading losses occur as organic vapors in "empty" cargo tanks are displaced to the atmosphere by the liquid being loaded into the tanks. These vapors are a composite of (1) vapors formed in the empty tank by evaporation of residual product from previous loads, (2) vapors transferred to the tank in vapor balance systems as product is being unloaded, and (3) vapors generated in the tank as the new product is being loaded. The quantity of evaporative losses from loading operations is, therefore, a function of the following parameters:

- Physical and chemical characteristics of the previous cargo;
- Method of unloading the previous cargo;
- Operations to transport the empty carrier to a loading terminal;
- Method of loading the new cargo; and
- Physical and chemical characteristics of the new cargo.

The principal methods of cargo carrier loading are illustrated in Figure 5.2-2, Figure 5.2-3, and Figure 5.2-4. In the splash loading method, the fill pipe dispensing the cargo is lowered only part way into the cargo tank. Significant turbulence and vapor/liquid contact occur during the splash

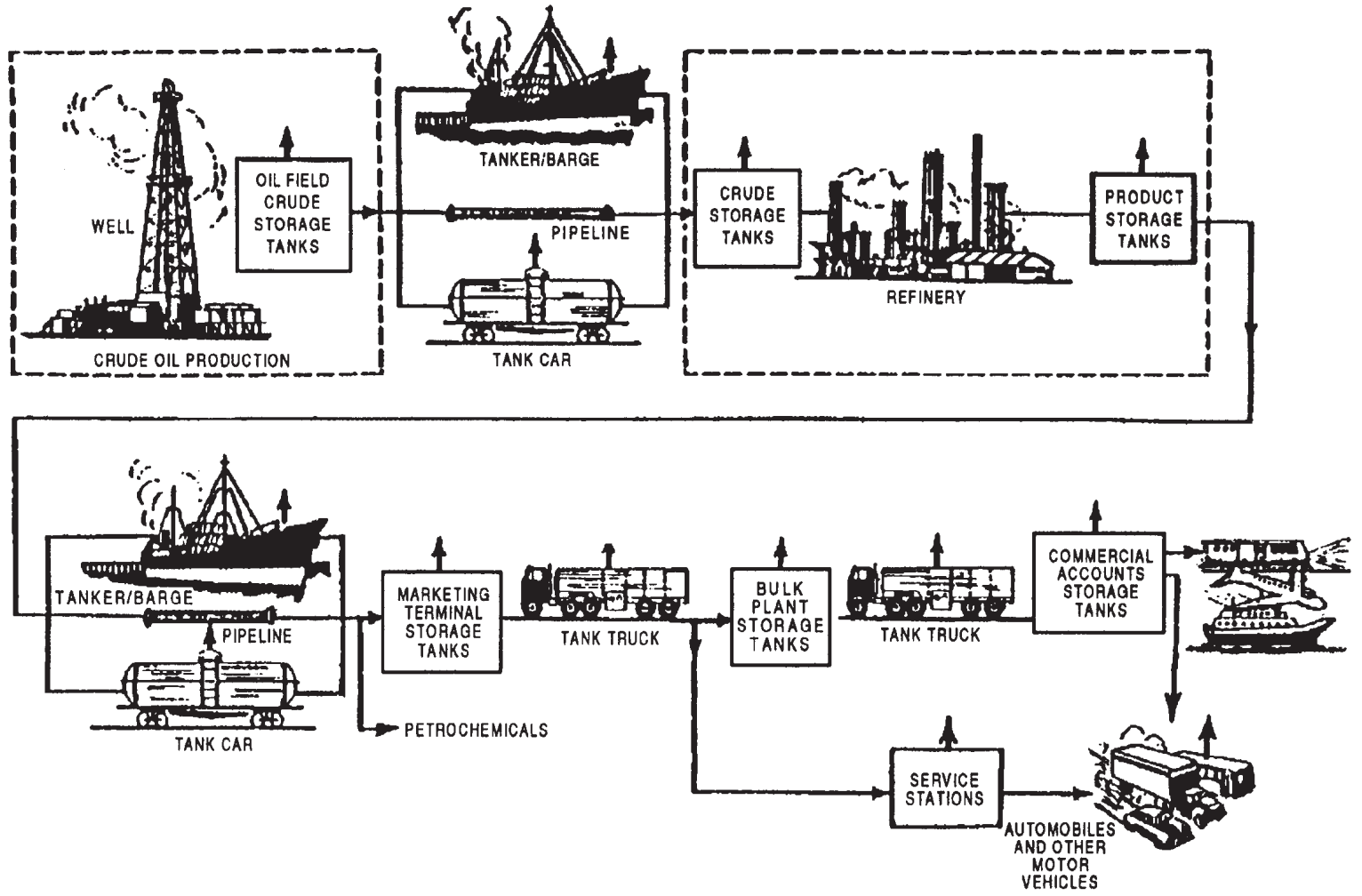


Figure 5.2-1. Flow sheet of petroleum production, refining, and distribution systems. (Points of organic emissions are indicated by vertical arrows.)

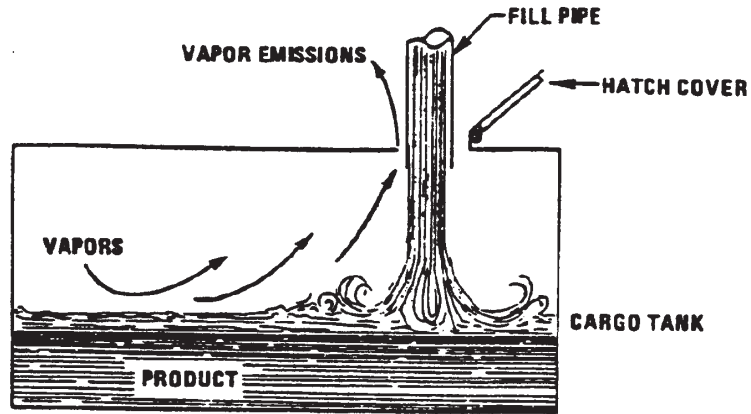


Figure 5.2-2. Splash loading method.

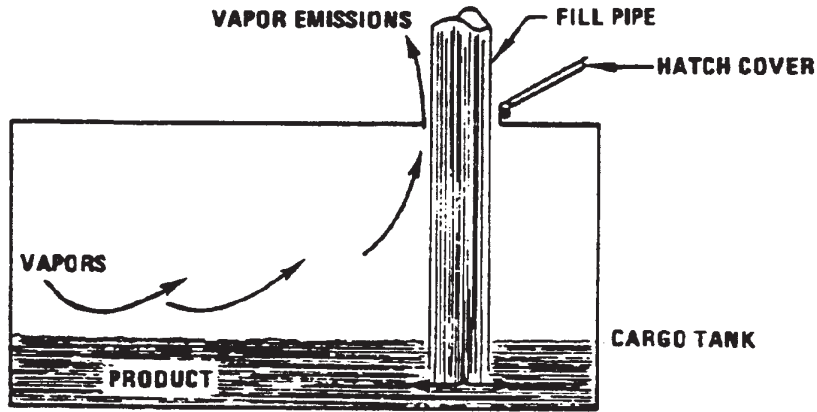


Figure 5.2-3. Submerged fill pipe.

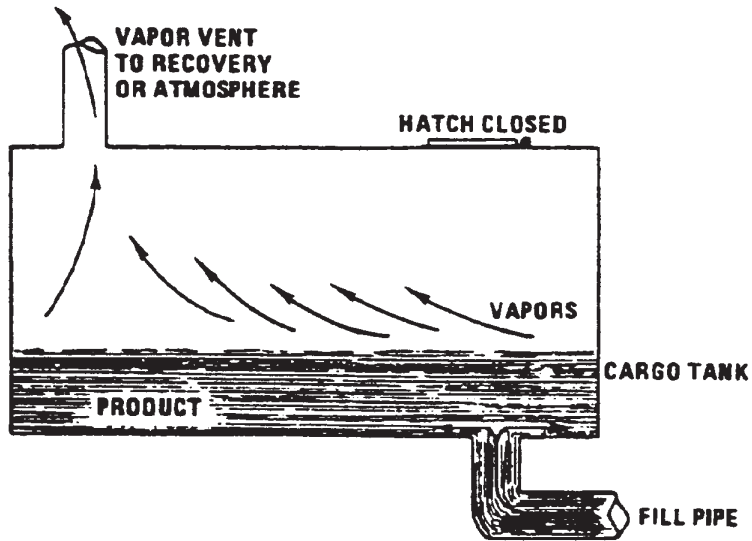


Figure 5.2-4. Bottom loading.

loading operation, resulting in high levels of vapor generation and loss. If the turbulence is great enough, liquid droplets will be entrained in the vented vapors.

A second method of loading is submerged loading. Two types are the submerged fill pipe method and the bottom loading method. In the submerged fill pipe method, the fill pipe extends almost to the bottom of the cargo tank. In the bottom loading method, a permanent fill pipe is attached to the cargo tank bottom. During most of submerged loading by both methods, the fill pipe opening is below the liquid surface level. Liquid turbulence is controlled significantly during submerged loading, resulting in much lower vapor generation than encountered during splash loading.

The recent loading history of a cargo carrier is just as important a factor in loading losses as the method of loading. If the carrier has carried a nonvolatile liquid such as fuel oil, or has just been cleaned, it will contain vapor-free air. If it has just carried gasoline and has not been vented, the air in the carrier tank will contain volatile organic vapors, which will be expelled during the loading operation along with newly generated vapors.

Cargo carriers are sometimes designated to transport only one product, and in such cases are practicing "dedicated service". Dedicated gasoline cargo tanks return to a loading terminal containing air fully or partially saturated with vapor from the previous load. Cargo tanks may also be "switch loaded" with various products, so that a nonvolatile product being loaded may expel the vapors remaining from a previous load of a volatile product such as gasoline. These circumstances vary with the type of cargo tank and with the ownership of the carrier, the petroleum liquids being transported, geographic location, and season of the year.

One control measure for vapors displaced during liquid loading is called "vapor balance service", in which the cargo tank retrieves the vapors displaced during product unloading at bulk plants or service stations and transports the vapors back to the loading terminal. Figure 5.2-5 shows a tank truck in vapor balance service filling a service station underground tank and taking on displaced gasoline vapors for return to the terminal. A cargo tank returning to a bulk terminal in vapor balance service normally is saturated with organic vapors, and the presence of these vapors at the start of submerged loading of the tanker truck results in greater loading losses than encountered during nonvapor balance, or "normal", service. Vapor balance service is usually not practiced with marine vessels, although some vessels practice emission control by means of vapor transfer within their own cargo tanks during ballasting operations, discussed below.

Emissions from loading petroleum liquid can be estimated (with a probable error of ± 30 percent)⁴ using the following expression:

$$L_L = 12.46 \frac{SPM}{T} \quad (1)$$

where:

L_L = loading loss, pounds per 1000 gallons ($\text{lb}/10^3 \text{ gal}$) of liquid loaded

S = a saturation factor (see Table 5.2-1)

P = true vapor pressure of liquid loaded, pounds per square inch absolute (psia)
(see Section 7.1, "Organic Liquid Storage Tanks")

M = molecular weight of vapors, pounds per pound-mole ($\text{lb}/\text{lb-mole}$) (see Section 7.1, "Organic Liquid Storage Tanks")

T = temperature of bulk liquid loaded, $^{\circ}\text{R}$ ($^{\circ}\text{F} + 460$)

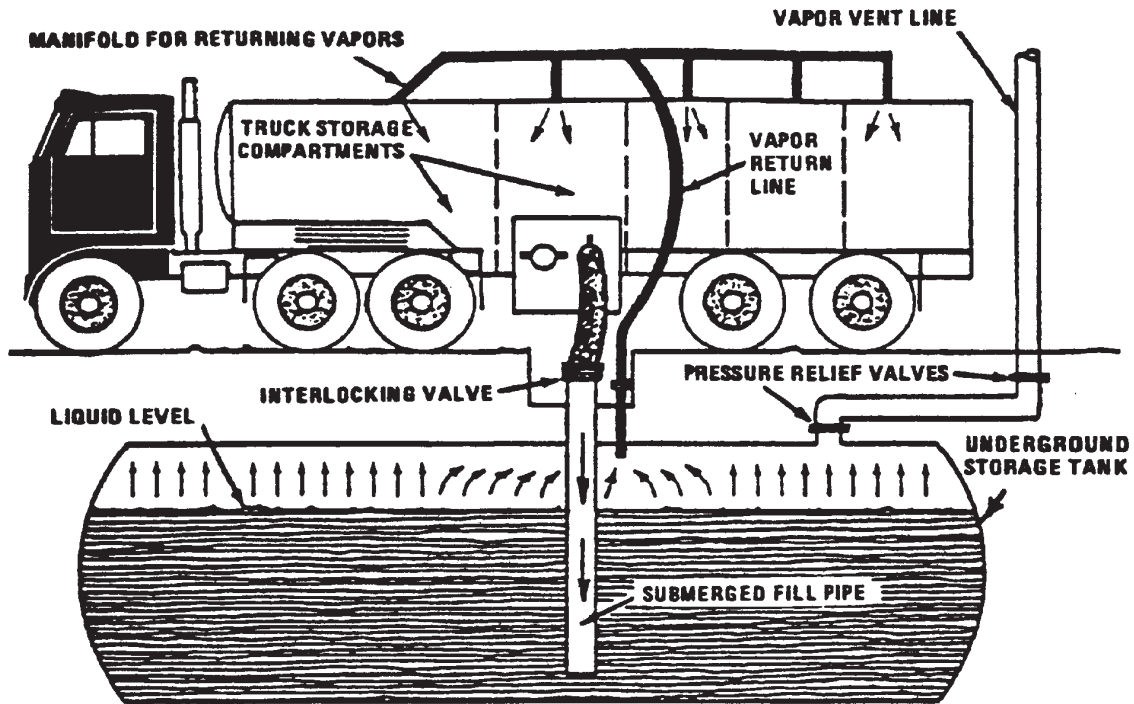


Figure 5.2-5. Tank truck unloading into a service station underground storage tank and practicing "vapor balance" form of emission control.

Table 5.2-1. SATURATION (S) FACTORS FOR CALCULATING PETROLEUM LIQUID LOADING LOSSES

Cargo Carrier	Mode Of Operation	S Factor
Tank trucks and rail tank cars	Submerged loading of a clean cargo tank	0.50
	Submerged loading: dedicated normal service	0.60
	Submerged loading: dedicated vapor balance service	1.00
	Splash loading of a clean cargo tank	1.45
	Splash loading: dedicated normal service	1.45
	Splash loading: dedicated vapor balance service	1.00
Marine vessels ^a	Submerged loading: ships	0.2
	Submerged loading: barges	0.5

^a For products other than gasoline and crude oil. For marine loading of gasoline, use factors from Table 5.2-2. For marine loading of crude oil, use Equations 2 and 3 and Table 5.2-3.

The saturation factor, S, represents the expelled vapor's fractional approach to saturation, and it accounts for the variations observed in emission rates from the different unloading and loading methods. Table 5.2-1 lists suggested saturation factors.

Emissions from controlled loading operations can be calculated by multiplying the uncontrolled emission rate calculated in Equation 1 by an overall reduction efficiency term:

$$\left(1 - \frac{\text{eff}}{100} \right)$$

The overall reduction efficiency should account for the capture efficiency of the collection system as well as both the control efficiency and any downtime of the control device. Measures to reduce loading emissions include selection of alternate loading methods and application of vapor recovery equipment. The latter captures organic vapors displaced during loading operations and recovers the vapors by the use of refrigeration, absorption, adsorption, and/or compression. The recovered product is piped back to storage. Vapors can also be controlled through combustion in a thermal oxidation unit, with no product recovery. Figure 5.2-6 demonstrates the recovery of gasoline vapors from tank trucks during loading operations at bulk terminals. Control efficiencies for the recovery units range from 90 to over 99 percent, depending on both the nature of the vapors and the type of control equipment used.⁵⁻⁶ However, not all of the displaced vapors reach the control device, because of leakage from both the tank truck and collection system. The collection efficiency should be assumed to be 99.2 percent for tanker trucks passing the MACT-level annual leak test (not more than 1 inch water column pressure change in 5 minutes after pressurizing to 18 inches water followed by pulling a vacuum of 6 inches water).⁷ 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). A collection efficiency of 70 percent should be assumed for trucks not passing one of these annual leak tests⁶.

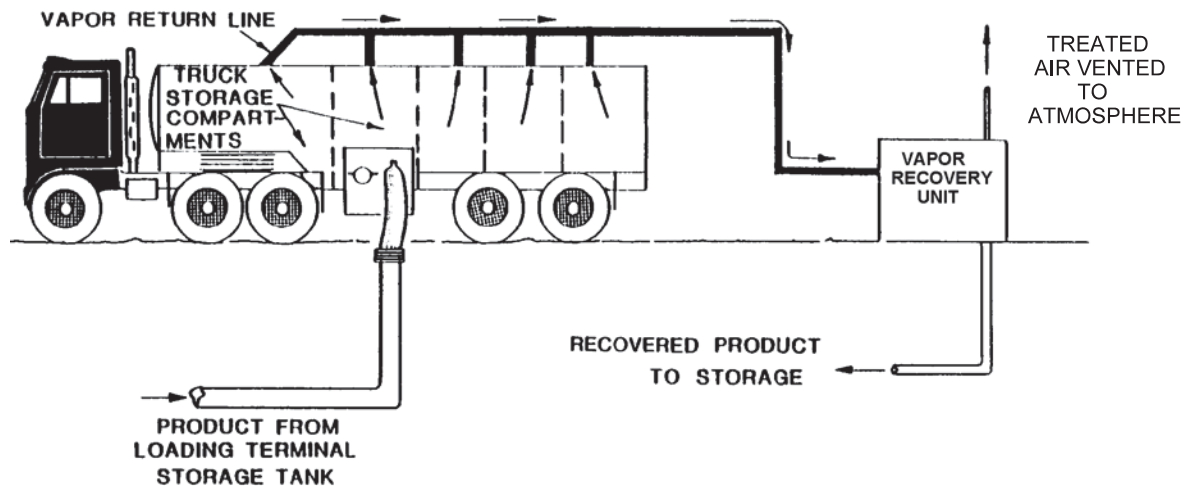


Figure 5.2-6. Tank truck loading with vapor recovery.

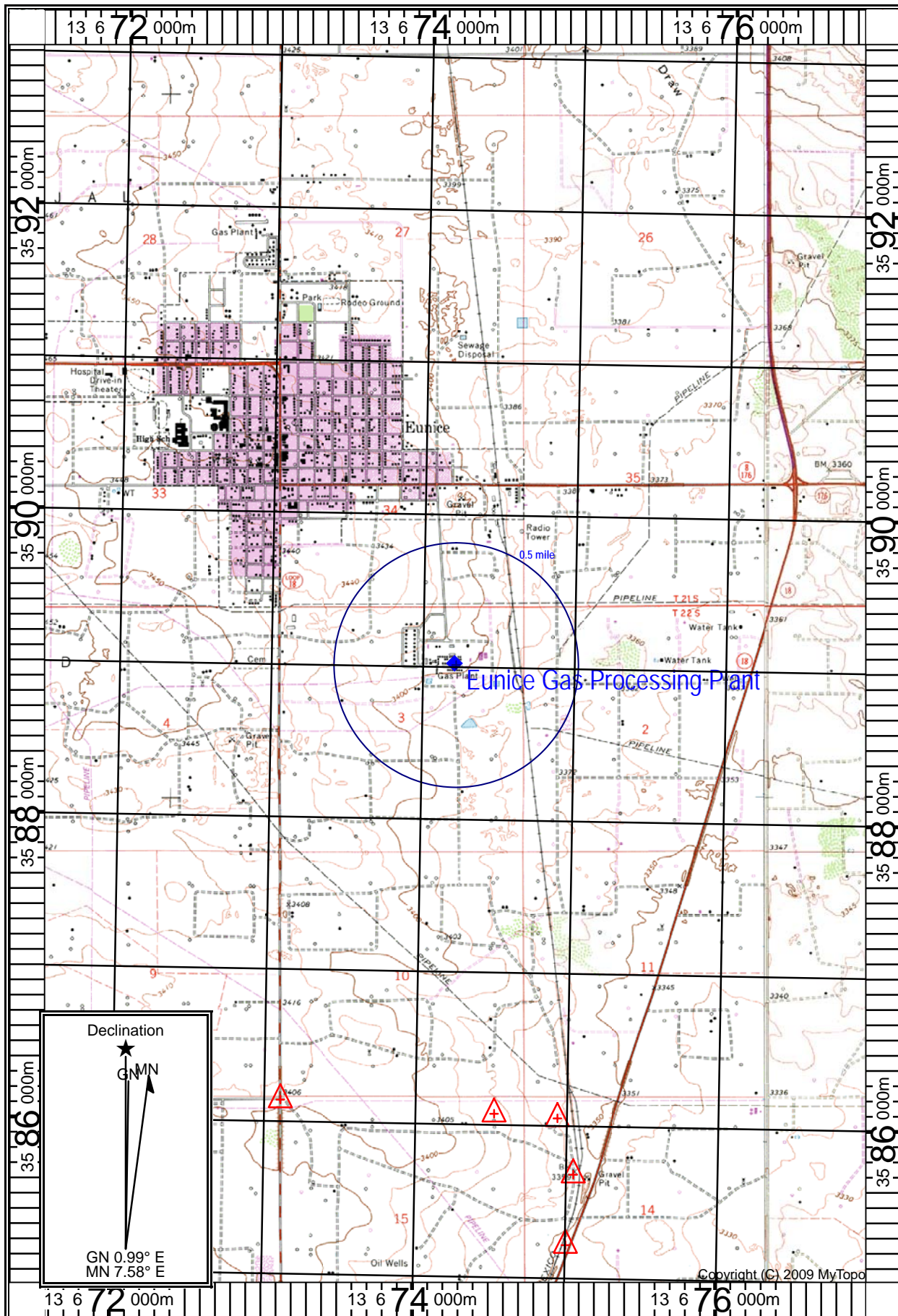
Section 8

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.



Map Name: EUNICE
 Print Date: 11/01/17

Scale: 1 inch = 3,000 ft.
 Map Center: 13 0674210 E 3589C

Horizontal Datum: WGS84

Copyright (C) 2009 MyTopo

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..
-

The proof of public notice for this project is included in this section.

7014 2870 0001 4718 6152

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To CITY OF EUNICE - MANAGER'S OFFICE
1106 AVENUE J, PO BOX 147
EUNICE, NM 88231

PS Form 3800, J

7014 2870 0001 4718 6138

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To LEA COUNTY - MANAGER'S OFFICE
100 NORTH MAIN AVE
LOVINGTON, NM 88260

PS Form 3800, J

7014 2870 0001 4718 6169

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OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To LANDES JOSEPH L
BOX 344
EUNICE, NM 88231

PS Form 3800, J

7014 2870 0001 4718 6183

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To BRAGGS GEORGE W
PO BOX 1042
EUNICE, NM 88231

PS Form 3800, J

7014 2870 0001 4718 6176

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

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To OWEN EVA HEIRS OF
BOX 115
EUNICE, NM 88231

PS Form 3800, J

7014 2870 0001 4718 6190

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

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To BRANNAN STEVEN M
PO BOX 753
EUNICE, NM 88231

PS Form 3800, J

7014 2870 0001 4718 6206

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To **MOODY PRISCILLA BRUNSON**
PO BOX 50430
 Street & Apt. No., or PO Box No. **EUGENE, OR 97405**
 City, State, ZIP+4

PS Form 3800, J

7014 2870 0001 4718 6213

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To **CHEVRON U S A INC**
PO BOX 285
 Street & Apt. No., or PO Box No. **HOUSTON, TX 77001**
 City, State, ZIP+4

PS Form 3800, J

7014 2870 0001 4718 6220

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OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To **OSBORN GERALDINE**
3808 N DAL PASO ST
 Street & Apt. No., or PO Box No. **HOBBS, NM 88240**
 City, State, ZIP+4

PS Form 3800, J

7014 2870 0001 4718 6244

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To **WERNER HARRY R**
BOX 628
 Street & Apt. No., or PO Box No. **EUNICE, NM 88231**
 City, State, ZIP+4

PS Form 3800, J

7014 2870 0001 4718 6237

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To **ELLIS REAL ESTATE LTD**
200 SOUTH 10TH ST
 Street & Apt. No., or PO Box No. **RICHMOND, TX 77469**
 City, State, ZIP+4

PS Form 3800, J

7014 2870 0001 4718 6121

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Domestic Mail Only

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

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To **DERBY MOBILE HOME PARK LLC**
680 W 121ST AVENUE, Ste 110
 Street & Apt. No., or PO Box No. **DENVER, CO 80234**
 City, State, ZIP+4

PS Form 3800, J

The UPS Store - #3900
8100-M4 Wyoming Blvd NE
Albuquerque, NM 87113
(505) 8E8-1600

04/15/20 01:06 PM

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shipping, postal and business needs.

Please track packages at our website
www.theupsstorelocal.com/3900



001 008237 (022) TO \$ 81.00
First Class Package
Tracking# MME2RHBYH98JH

SubTotal \$ 81.00
Total \$ 81.00

MasterCard \$ 81.00

ACCOUNT NUMBER * *****6164
Appr Code: 02918S (I) Sale

ENTRY METHOD: ChipRead
MODE: Issuer
AID: A0000000041010
TVR: 8020008000
TSI: 6800
AC: CE6501F05AEC8FE5
ARC: 00

Receipt ID 83958883815087888639 001 Items
CSH: CHRIS Tran: 9405 Reg: 001

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From: [Heather Adams](#)
To: [Jane Romero-Kotovskyy](#)
Subject: Eunice Gas Plant
Date: Tuesday, February 25, 2020 10:22:59 AM
Attachments: [image003.png](#)
[202002251039.pdf](#)
[trinityconsultants request.xlsx](#)

Heather Adams

Deputy Assessor & Deed Specialist

100 N Main St, Ste 2

Lovington, NM 88260

tel 575-396-8631

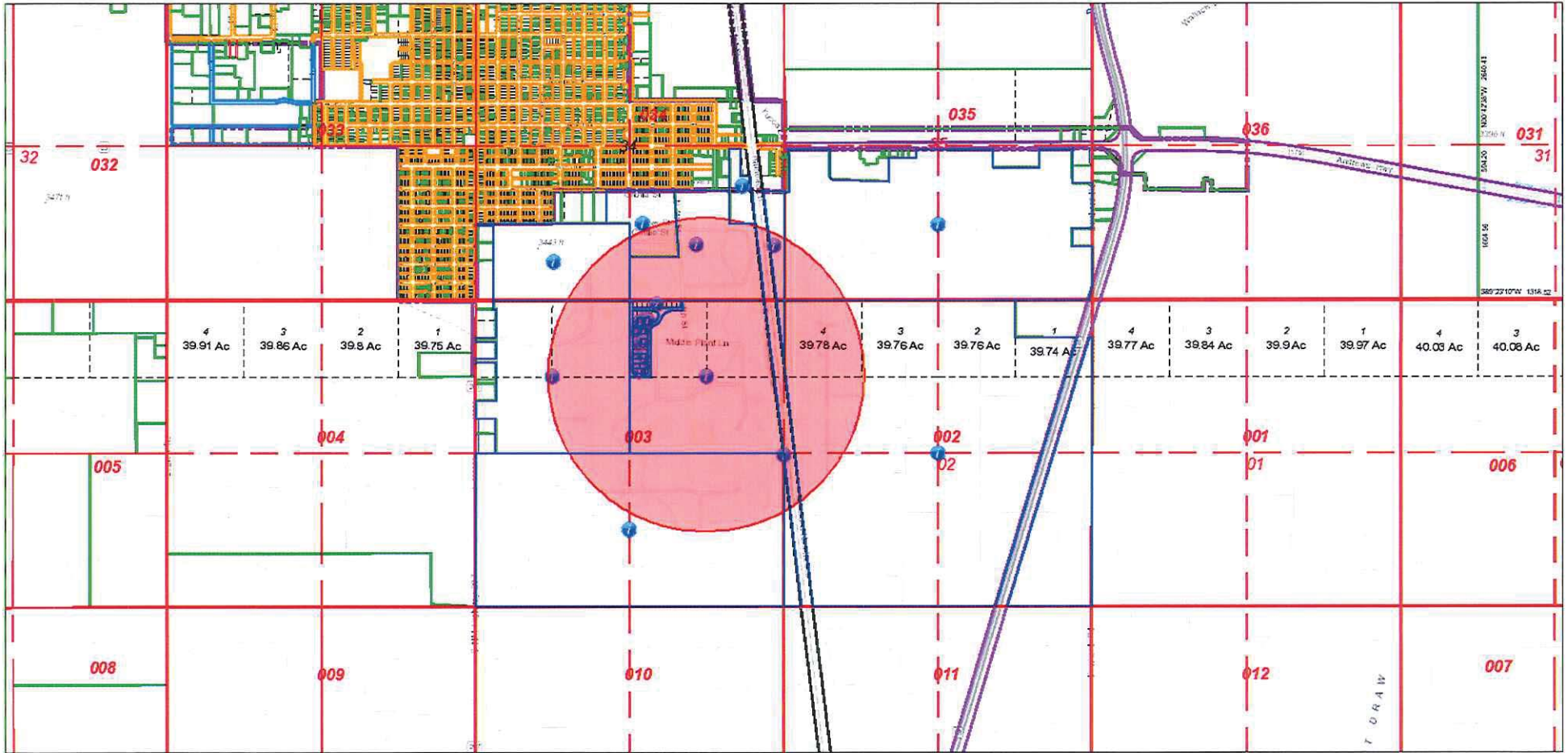
fax 575-396-8529



www.leacounty.net

Search online for property information: <http://liveweb.leacounty-nm.org/>

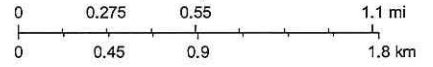
Interactive map (for use with Internet Explorer only): <http://emaps.emapsplus.com/>



February 25, 2020

polygonLayer	ExemptSymbol1320	School	101	108	205	EaseLines	UNK	School
Override 1	<all other values>	State Building	102	109	206	<all other values>	DistLines	UNK
Override 2	Airport	UNK	103	201	300	Access	<all other values>	Voting
pointLayer	Cemetery	ParcelLines	104	202	400	Electric	Fire	Sections
Override 1	Church	<all other values>	105	203	LotLine	Gas	New Subtype	
Parcel	New Subtype	100	107	204	CorporateLine	Other	Police	

1:23,655



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Triadic #	Parcelid - Property	Owner Name	Street #		Street Name
50097	="4000500970001"	LANDES JOSEPH L	42		WARREN CAMP CR
50274	="4000502490001"	VERSADO GAS PROCESSORS LLC			
50274	="4981030115411"	VERSADO GAS PROCESSORS LLC			
50274	="4981030114557"	VERSADO GAS PROCESSORS LLC			
50274	="4000501320001"	VERSADO GAS PROCESSORS LLC			
50274	="4000503140001"	VERSADO GAS PROCESSORS LLC			
50215	="4000502150001"	OWEN EVA HEIRS OF			
50007	="4000500070001"	BRAGGS GEORGE W	24		WARREN CAMP CR
50158	="4000501580001"	BRANNAN STEVEN M	55	E	LINCOLN
50214	="4000502140001"	OWEN EVA HEIRS OF			
50199	="4000501990001"	MOODY PRISCILLA BRUNSON			
50274	="4981030115411"	VERSADO GAS PROCESSORS LLC			
50199	="4000501990002"	MOODY PRISCILLA BRUNSON			
50207	="4000502160001"	CHEVRON U S A INC			
50274	="4981030115105"	VERSADO GAS PROCESSORS LLC			
50220	="4000502200004"	OSBORN GERALDINE	701		JERICO LN
50122	="4000501220001"	ELLIS REAL ESTATE LTD	113	W	TEXAS AVE
50337	="4000503370001"	WARREN PETROLEUM COMPANY			
50220	="4000502200003"	OSBORN GERALDINE			
	="N/A 33408"				
50242	="4000502420001"	WERNER HARRY R			
50274	="4980319093441"	VERSADO GAS PROCESSORS LLC			
50274	="4981030115411"	VERSADO GAS PROCESSORS LLC			
50274	="4000503040001"	VERSADO GAS PROCESSORS LLC			
204800	="4971001111035"	DERBY MOBILE HOME PARK LLC	403	N	4TH ST

Mailing Address 1	Mailing Address 2	Mailing City	Mailing	Mailing
	BOX 344	EUNICE	NM	88231
1900 DALROCK RD		ROWLETT	TX	75088
1900 DALROCK RD		ROWLETT	TX	75088
1900 DALROCK RD		ROWLETT	TX	75088
1900 DALROCK RD		ROWLETT	TX	75088
1900 DALROCK RD		ROWLETT	TX	75088
	BOX 115	EUNICE	NM	88231
	PO BOX 1042	EUNICE	NM	88231
PO BOX 753		EUNICE	NM	88231
	BOX 115	EUNICE	NM	88231
	PO BOX 50430	EUGENE	OR	97405
1900 DALROCK RD		ROWLETT	TX	75088
	PO BOX 50430	EUGENE	OR	97405
PO BOX 285		HOUSTON	TX	77001
1900 DALROCK RD		ROWLETT	TX	75088
3808 N DAL PASO ST		HOBBS	NM	88240
	200 SOUTH 10TH ST	RICHMOND	TX	77469
1900 DARLROCK ROAD		ROWLETT	TX	75088
3808 N DAL PASO ST		HOBBS	NM	88240
	BOX 628	EUNICE	NM	88231
1900 DALROCK RD		ROWLETT	TX	75088
1900 DALROCK RD		ROWLETT	TX	75088
1900 DALROCK RD		ROWLETT	TX	75088
680 W 121ST AVENUE	SUITE 110	DENVER	CO	80234

April 15, 2020

SENT VIA CERTIFIED MAIL

To Whom It May Concern,

Targa Midstream Services, LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the revision of its natural gas treating and processing facility. The expected date of application submittal to the Air Quality Bureau is April 17, 2020.

The exact location for the proposed facility, known as Eunice Gas Processing Plant, is at latitude 32 deg, 25 min, 28 sec and longitude -103 deg, 8 min, 50 sec. The approximate location of this facility is 1.0 mile southeast of Eunice, NM in Lea County.

The proposed revision consists of increasing the condensate throughput at the facility.

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

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	10 pph	40 tpy
PM ₁₀	6 pph	24 tpy
PM _{2.5}	5 pph	20 tpy
Sulfur Dioxide (SO ₂)	10,165 pph	550 tpy
Nitrogen Oxides (NO _x)	1,888 pph	2,935 tpy
Carbon Monoxide (CO)	2,590 pph	895 tpy
Volatile Organic Compounds (VOC)	2,224 pph	320 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	82 pph	75 tpy
Hydrogen Sulfide (H ₂ S)	129 pph	14 tpy
Green House Gas Emissions as Total CO _{2e}	N/A	253,800 tpy

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

Owners and operators of the facility include:

Versado Gas Processors LLC - Owner
Targa Midstream Services LLC - Operator
6 Desta Drive, Suite 3300
Midland, TX 79705

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

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

General information about air quality and the permitting process can be found at the Air Quality Bureau's web site. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC. This regulation can be found in the "Permits" section of this web site.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-476-5557.

Sincerely,

Targa Midstream Services, LLC
6 Desta Drive, Suite 3300, Midland, TX 79705

Notice of Non-Discrimination

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

NOTICE OF AIR QUALITY PERMIT APPLICATION

Targa Midstream Services, LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the revision of its natural gas treating and processing facility. The expected date of application submittal to the Air Quality Bureau is April 1, 2020.

The exact location for the proposed facility, known as Eunice Gas Processing Plant, is at latitude 32 deg, 25 min, 28 sec and longitude -103 deg, 8 min, 50 sec. The approximate location of this facility is 1.0 mile southeast of Eunice, NM in Lea County.

The proposed revision consists of increasing the condensate throughput at the facility.

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

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PM ₁₀	6 pph	24 tpy
PM _{2.5}	5 pph	20 tpy
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Nitrogen Oxides (NO _x)	1,888 pph	2,935 tpy
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Green House Gas Emissions as Total CO _{2e}	N/A	253,800 tpy

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Owners and operators of the facility include:

Versado Gas Processors LLC - Owner
Targa Midstream Services LLC - Operator
6 Desta Drive, Suite 3300
Mildand, TX 79705

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

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

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Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-476-5557.

Notice of Non-Discrimination

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General Posting of Notices – Certification

I, George Gonzalez the undersigned, certify that on April 2, 2020, 2020, I posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in or near the community of **Eunice**, Lea County, State of New Mexico on the following dates:

1. Eunice Gas Processing Plant
Facility Entrance
04/02/20
2. Lowe's Pay-N-Save Grocery
1326 Avenue J
Eunice, NM 88231
04/02/20
3. Eunice City Hall
1106 Avenue J
Eunice, NM 88231
04/02/20
4. Eunice Post Office
1201 Avenue K
Eunice, NM 88231
04/02/20

Signed this 2nd day of April, 2020.



Signature

04.02.2020

Date

George Gonzalez

Printed Name

Safety Specialist

Title

Section 9

Noticed Counties and Municipalities		
Entity	Street Address	City, State, Zip
LEA COUNTY - MANAGER'S OFFICE	100 NORTH MAIN AVE	LOVINGTON, NM 88260
CITY OF EUNICE - MANAGER'S OFFICE	1106 AVENUE J, PO BOX 147	EUNICE, NM 88231

¹ No Indian Tribes within 10 miles of the facility.

Noticed Property Owners		
Entity	Street Address	City, State, Zip
LANDES JOSEPH L	BOX 344	EUNICE, NM 88231
OWEN EVA HEIRS OF	BOX 115	EUNICE, NM 88231
BRAGGS GEORGE W	PO BOX 1042	EUNICE, NM 88231
BRANNAN STEVEN M	PO BOX 753	EUNICE, NM 88231
MOODY PRISCILLA BRUNSON	PO BOX 50430	EUGENE, OR 97405
CHEVRON U S A INC	PO BOX 285	HOUSTON, TX 77001
OSBORN GERALDINE	3808 N DAL PASO ST	HOBBS, NM 88240
ELLIS REAL ESTATE LTD	200 SOUTH 10TH ST	RICHMOND, TX 77469
WERNER HARRY R	BOX 628	EUNICE, NM 88231
DERBY MOBILE HOME PARK LLC	680 W 121ST AVENUE, Ste 110	DENVER, CO 80234

Jake Zenker

From: Jake Zenker
Sent: Wednesday, April 15, 2020 10:59 AM
To: dawn@1radiosquare.com
Subject: PSA: Eunice Gas Plant

VIA EMAIL

To:	KZOR 94.1 FM	From:	Jake Zenker, Trinity Consultants
Phone:	575-397-4969	Pages:	1 – including cover
Fax:	N/A	Phone:	(505) 266-6611
Email:	dawn@1radiosquare.com	Email:	jzenker@trinityconsultants.com
Subject:	PSA	Date:	<i>April 15, 2020</i>

Urgent For Review Please Comment Please Reply Please Recycle

Comments:

As part of the air quality permit process, New Mexico requires applicants to submit a public service announcement identifying the proposed permit action and providing information as to how the public can comment on this action. Below is such an announcement. Would you air it as a PSA?

Radio Public Service Announcement NOTICE OF AIR QUALITY PERMIT APPLICATION

Targa Midstream Services, LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the revision of its natural gas treating and processing facility. The expected date of application submittal to the Air Quality Bureau is April 16, 2020.

The exact location for the proposed facility, known as Eunice Gas Processing Plant, is at latitude 32 deg, 25 min, 28 sec and longitude -103 deg, 8 min, 50 sec. The approximate location of this facility is 1.0 mile southeast of Eunice, NM in Lea County. The proposed revision consists of increasing the condensate throughput at the facility. The owner and/or operator of the facility is:

Versado Gas Processors LLC – Owner
Targa Midstream Services LLC - Operator
6 Desta Drive, Suite 3300
Midland, TX 79705

Public notice of this revision is being posted at the facility and the following locations in Eunice, New Mexico: the Lowe's Pay-N-Save Grocery located on 1326 Ave J, the Eunice City Hall located on 1106 Ave J, and the Eunice Post Office located on 1201 Ave K.

If you have any questions regarding this application, please contact Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; Other comments and questions may be submitted verbally.

.....
Jake Zenker
Consultant

Trinity Consultants

9400 Holly Avenue | Bldg 3 Suite 300 | Albuquerque, NM 87122

Office: **505-266-6611** | Mobile: 484-356-5607

Email: jzenker@TrinityConsultants.com | Website: www.TrinityConsultants.com

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Beardless Wheat Hay High protein, weed free, been in barn. Good for anything that eats hay. Shoestring Cattle Co. 806-215-5155

127 AUTOMOBILES FOR SALE

Permian Toyota will buy your car. No strings attached! Call Billy Joe Sizemore at 575-318-4311.

133 RVs & Campers

2020 Columbus Compass edition 37 foot 5th wheel. Fiberglass exterior, 2 bedroom, sleeps 8. 4 slideouts, 2 ACs, washer, dryer, leveling system, 2 awnings. Loaded with power everything. Must sell. Will deliver if necessary. \$56,000. 915-229-4141

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LEGAL NOTICE MARCH 13, 20, 27 and APRIL 3, 2020

NOTICE OF FORECLOSURE SALE STATE OF NEW MEXICO COUNTY OF LEA FIFTH JUDICIAL DISTRICT WELLS FARGO BANK, N.A., Plaintiff, vs. Case No.: D-506-CV-2019-01799 JOSE L TENA AKA JOSE LUIS TENA AKA JOSE MENDOZA AKA JOSE LUIS MENDOZA AKA JOSE L MENDOZA AKA JOSE A MENDOZA; LEA REGIONAL HOSPITAL, LLC; Defendants. PLEASE TAKE NOTICE that the above-entitled Court, having appointed me or my designee as Special Master in this matter with the power to sell, has ordered me to sell the real property (the "Property") situated in Lea County, New Mexico, commonly known as 201 W Alto DR, Hobbs, NM 88240-3303, and more particularly described as follows: LOT TWENTY-EIGHT (28), BLOCK TWENTY-ONE "B" (21B), ELEVENTH UNIT OF THE BROADMOOR ADDITION TO THE CITY OF HOBBS, LEA COUNTY, NEW MEXICO. If there is a conflict between the legal description and the street address, the legal description shall control. The sale is to begin at 12:30 PM on May 14, 2020, Lea County Courthouse, City of Lovington, County of Lea, State of New Mexico, at which time I will sell to the highest and best bidder for cash, in lawful currency of the United States of America, the Property to pay expenses of sale, and to satisfy the foreclosure Judgment granted on March 3, 2020, in the total amount of \$133,197.29, with interest at the rate of 4.5% per annum from February 19, 2020 through the date of the sale. The sale is subject to the entry of an Order by this Court approving the sale. NOTICE IS FURTHER GIVEN that the real property and improvements concerned with herein will be sold subject to any and all patent reservations, easements, and all taxes and utility liens, special assessments and taxes that may be due. Wells Fargo Bank, N.A., its attorneys, and the undersigned Special Master, disclaim all responsibility for, and the purchaser at the sale takes the property "as is," in its present condition, subject to the valuation of the property by the County Assessor as real or personal property, affixture of any mobile or manufactured home to the land, deactivation of title to a mobile or manufactured home on the property, if any, environmental contamination on the property, if any, and zoning violations concerning the property, if any. NOTICE IS FURTHER GIVEN that the purchaser at such sale shall take title to the above described real property subject to a one (1) month right of redemption. **PROSPECTIVE PURCHASERS AT SALE ARE ADVISED TO MAKE THEIR OWN EXAMINATION OF THE TITLE AND THE CONDITION OF THE PROPERTY AND TO CONSULT THEIR OWN ATTORNEY BEFORE BIDDING. By: Robert Doyle c/o Legal Process Network P.O. Box 51526 Albuquerque, NM 87181 2 NM-19-868795-JUD IDSPub #0161441 3/13/2020 3/20/2020 3/27/2020 4/3/2020 #35306**

LEGAL NOTICE MARCH 13, 20 and 27, 2020

STATE OF NEW MEXICO COUNTY OF LEA FIFTH JUDICIAL DISTRICT No. D-506-PB-2020-00029

IN THE MATTER OF THE ESTATE OF ROMA A. SYFERT, DECEASED.

NOTICE OF HEARING ON PETITION FOR FORMAL PROBATE OF WILL AND APPOINTMENT OF PERSONAL REPRESENTATIVE

TO: Unknown heirs of ROMA A. SYFERT, Deceased, and all unknown persons who have or claim any interest in the estate of ROMA A. SYFERT, Deceased ("Decedent")

NOTICE IS HEREBY GIVEN that Ken Edwin Lawrence has filed with the above-named Court a Petition for Formal Probate of Will and Appointment of Personal Representative, which requests the Court to enter an Order that formally probates Decedent's Will; determines the heirs and devisees of Decedent; formally appoints Petitioner as Personal Representative, without bond, in an unsupervised administration; issues Letters Testamentary to Petitioner; and provides for such other and further relief as may be proper.

Hearing has been set to consider the Petition at 9:00 a.m. on May 8, 2020, at the Lea County Courthouse, 100 N. Main, Lovington, New Mexico, before the Honorable William G. W. Shoobridge, District Judge.

The attorneys for Petitioner are Crenshaw, Dupree & Milam, L.L.P., P. O. Box 2508, Hobbs, New Mexico 88241-2508.

CRENSHAW, DUPREE & MILAM, L.L.P.

BY: /s/ Kathleen A. Moran KATHLEEN A. MORAN Attorneys for Petitioner P. O. Box 2508 Hobbs, New Mexico 88241-2508 575/393-0505 Fax 575/397-2646 kmoran@cdmlaw.com #35304

LEGAL NOTICE March 27, April 3 and 10, 2020

STATE OF NEW MEXICO COUNTY OF LEA FIFTH JUDICIAL DISTRICT

EVELYNE AND CHRISTOPHER KENNEMER, Petitioners,

vs. D-506-DM-2020-00036

SAMANTHA HATCHER, Respondent,

AND CONCERNING THE MINOR CHILD Sebastian Kennemer- DOB: June 7, 2011.

SUMMONS AND NOTICE OF SUIT PENDING

TO: SAMANTHA HATCHER

GREETINGS: You and each of you are hereby notified that there has been filed in the District Court of Lea County, New Mexico, a certain cause of action wherein, Whitney Thomas is the Petitioner, and you and each of you are the Respondent, the same being Cause No. D-506-DM-2020-00036 on the Domestic Docket.

The general object of said action is a Petition for Kinship Guardianship.

You and each of you are further notified that unless you enter your appearance or plead herein within thirty days after the date of the last publication of this Summons and Notice of Suit Pending, Petitioners will make application to the Court for Judgment by default, and judgment by default will be rendered against you, and each of you, as prayed for in said Complaint. The name of the attorneys for Petitioner is SANDERS LAW FIRM (Clayton S. Hightower) 701 W. Country Club Road, Roswell, New Mexico 88201.

WITNESS my hand and seal of the District Court of Lea County, New Mexico.

(SEAL) DISTRICT COURT CLERK By: /s/ Cory Hagedoorn #35366

069 WORK WANTED

Tractor with brushhog and operator. Weeds and fire breaks mowed. Call Jeff, 575-390-1246

070 OILFIELD HELP WANTED

Floor Hand Perform maintenance services and repairs on oil and gas wells. Maintain tubing, rod tongs and hand tools on the rig.
Rig Operator Establish daily maintenance for the rig. Supervise crew members and maintain productivity standards.

To apply, come by the office at 101 E. Panther St. Jal, NM

Crain Hot Oil Service

Now hiring for Hot Oil Operator. Competitive pay and benefits. Must be able to pass a drug screen, background check and have a clean driving record. Call Mike at 575-390-3776 for more information.

071 TRUCK DRIVERS NEEDED

Superior Hydrovac Solutions **HIRING Full-time CDL drivers.** 575-942-1575

HERNANDEZ TRUCKING

is seeking full time over the road drivers. Must be 21 years of age, have a class A CDL with minimum of 1-2 years experience of trucking driving. Driver also must have a DOT medical card and be able to move in and out of a reefer trailer. We offer competitive pay, paychecks every week and bonus pay opportunities. If interested call 575-317-3540 or 575-202-4341

SPUR SERVICES AND RENTALS OF HOBBES Now hiring Forklift Operator and Truck Drivers Sign on Bonus, Vacation Pay, Insurance Call 575-631-2625 or stop by 3418 E. Rose Road.

072 GENERAL HELP WANTED

Dirt Works Services is seeking backhoe and dump truck operators and vacuum truck drivers. Must have class A CDL and must be able to pass drug screen. Pay depending on experience. Must have valid driver's license. For more information come by 2630 W. Marland from 6 to 9 a.m.

Dirt Works Services is seeking **Laborers**. Must have valid driver's license. For more information come by 2630 W. Marland from 6 to 9 a.m.

Established tax service opening for employee to train for tax season. Good for someone with applied skills in accounting or taxes. Must be fast, efficient with computer and calculator and have excellent people skills. Bilingual preferred. Apply at 909 N. Turner, M-F.

074 MEDICAL HELP WANTED

Star Care Health Services is seeking a social worker (MSW) to join our team as part-time psycho social support for hospice and home health. Please fax resume and credentials to 575-391-8666 or email to ngutierrez@starcareonline.com.

087 GARAGE SALES

7600 S Eunice HWY., Saturday through Saturday March 28, 2020. Lots of stuff!

VISIT THE Hobbs News-Sun CLASSIFIED DEPARTMENT 201 N. Thorp

TAKE A PEEK Into the Classifieds

112 OILFIELD SERVICES & EQUIPMENT

2018 Rebel hydrovac truck for sale. 22,000 miles, 1000 hours on the blower. Like new. \$400,000. 806-891-7569. Plains, TX.

121 PETS

This pretty domestic short hair male kitten is about 10 weeks old. He can be seen at the Lovington Animal Shelter, 3633 S. Main Ave., Lovington. 575-552-3669.

LEGAL LEGAL

LEGAL NOTICE March 26 Thought April 8, 2020

CITY OF EUNICE, PLANNING AND ZONING BOARD ORDER NO. 2020-002

The City of Eunice Planning and Zoning Board has determined that a structure located at the property with the address 909 9th Street and legal description *1988- Nelson, Ed* is in violation of City of Eunice Ordinance Chapter 42, Article V, Unsafe Structures, Section 42-90 through 42-120.

WHEREAS, The City of Eunice Planning and Zoning Board has determined the above-mentioned property contains a structure that is in violation of Chapter 42, Article V, Unsafe Structures, Section 42-90 through 42-120 of the City of Eunice Ordinances;

WHEREAS, The City of Eunice has notified the above-mentioned property owner of the violation(s);

WHEREAS, The City of Eunice Planning and Zoning Board gives the owner(s) thirty (30) days from March 18, 2020 to repair, remove or demolish the structure;

WHEREAS, if the above-mentioned structure is not repaired, removed or demolished in the thirty (30) days the City of Eunice may demolish said structure located at the above-mentioned property at the owners expense.

NOW, THEREFORE, BE IT ORDERED BY THE PLANNING AND ZONING BOARD OF EUNICE, NEW MEXICO, that, the City of Eunice Planning and Zoning Board has determined the above-mentioned property is in violation of Chapter 42, Article V, Unsafe Structures, Section 42-90 through 42-120 and is to be demolished if not repaired, removed or demolished thirty (30) days from the date listed above.

PASSED, ADOPTED, AND APPROVED THIS 18 day of March 2020. #35356

LEGAL NOTICE March 27, April 3 and 10, 2020

STATE OF NEW MEXICO COUNTY OF LEA FIFTH JUDICIAL DISTRICT

WHITNEY LYNN THOMAS, Petitioner,

vs. D-506-DM-2019-00670

ZACK ANTHONY THOMAS, Respondent.

SUMMONS AND NOTICE OF SUIT PENDING

TO: ZACK ANTHONY THOMAS

GREETINGS: You and each of you are hereby notified that there has been filed in the District Court of Lea County, New Mexico, a certain cause of action wherein, Whitney Thomas is the Petitioner, and you and each of you are the Respondent, the same being Cause No. D-506-DM-2019-00670 on the Domestic Docket.

The general object of said action is a Petition for Dissolution of Marriage.

You and each of you are further notified that unless you enter your appearance or plead herein within thirty days after the date of the last publication of this Summons and Notice of Suit Pending, Petitioner will make application to the Court for Judgment by default, and judgment by default will be rendered against you, and each of you, as prayed for in said Complaint. The name of the attorneys for Petitioner is SANDERS LAW FIRM (Clayton S. Hightower) 701 W. Country Club Road, Roswell, New Mexico 88201.

WITNESS my hand and seal of the District Court of Lea County, New Mexico.

(SEAL) DISTRICT COURT CLERK By: /s/ Cory Hagedoorn #35365

LEGAL NOTICE March 26 Thought April 8, 2020

CITY OF EUNICE, PLANNING AND ZONING BOARD ORDER NO. 2020-001

The City of Eunice Planning and Zoning Board has determined that a structure located at the property with the address 907 9th Street and legal description *1990- Wright, Robert E * & * 1988- Nelson, Ed is in violation of City of Eunice Ordinance Chapter 42, Article V, Unsafe Structures, Section 42-90 through 42-120.

WHEREAS, The City of Eunice Planning and Zoning Board has determined the above-mentioned property contains a structure that is in violation of Chapter 42, Article V, Unsafe Structures, Section 42-90 through 42-120 of the City of Eunice Ordinances;

WHEREAS, The City of Eunice has notified the above-mentioned property owner of the violation(s);

WHEREAS, The City of Eunice Planning and Zoning Board gives the owner(s) thirty (30) days from March 18, 2020 to repair, remove or demolish the structure;

WHEREAS, if the above-mentioned structure is not repaired, removed or demolished in the thirty (30) days the City of Eunice may demolish said structure located at the above-mentioned property at the owners expense.

NOW, THEREFORE, BE IT ORDERED BY THE PLANNING AND ZONING BOARD OF EUNICE, NEW MEXICO, that, the City of Eunice Planning and Zoning Board has determined the above-mentioned property is in violation of Chapter 42, Article V, Unsafe Structures, Section 42-90 through 42-120 and is to be demolished if not repaired, removed or demolished thirty (30) days from the date listed above.

PASSED, ADOPTED, AND APPROVED THIS 18 day of March 2020. #35354

Legal notices

For assistance call Kayla at 575-391-5417

LEGAL LEGAL LEGAL LEGAL NOTICE March 27, April 3, 10 and 17, 2020

STATE OF NEW MEXICO COUNTY OF LEA FIFTH JUDICIAL DISTRICT COURT

No. D-506-CV-2019-01540

FINANCE OF AMERICA REVERSE LLC, Plaintiff,

vs. ROY E. BIVINS AKA ROY EUGENE BIVINS, SHARON BIVINS AKA SHARON ANN BIVINS, AND SECRETARY OF HOUSING AND URBAN DEVELOPMENT,

Defendants.

NOTICE OF SALE

NOTICE IS HEREBY GIVEN that on May 22, 2020, at the hour of 10:00 AM, the undersigned Special Master, or his/her designee, will, at the front entrance of the Lea County Courthouse, at 100 N. Main, Box 6-C, Lovington, NM 88260, sell all of the rights, title, and interests of the above-named Defendant(s), in and to the hereinafter described real property to the highest bidder for cash. The property to be sold is located at 200 W Avenue N, Lovington, New Mexico 88260, and is more particularly described as follows:

Lot Twelve (12), Block Ten (10), Shelton Addition to the City of Lovington, Lea County, New Mexico,

including any improvements, fixtures, and attachments, such as, but not limited to, mobile homes. (hereinafter the "Property"). If there is a conflict between the legal description and the street address, the legal description shall control.

The foregoing sale will be made to satisfy the foreclosure judgment rendered by this Court in the above-entitled and numbered cause on March 2, 2020, being an action to foreclose a mortgage on the Property. Plaintiff's judgment is in the amount of \$84,706.98, and the same bears interest at the variable rate of 4.14%, accruing at the rate of \$9.61 per diem. The Court reserves entry of final judgment against Defendant(s), Roy E. Bivins and Sharon Bivins, for the amount due after foreclosure sale, including interest, costs, and fees as may be assessed by the Court. Plaintiff has the right to bid at the foregoing sale in an amount equal to its judgment, and to submit its bid either verbally or in writing. Plaintiff may apply all or any part of its judgment to the purchase price in lieu of cash.

In accordance with the Court's decree, the proceeds of sale are to be applied first to the costs of sale, including the Special Master's fees, and then to satisfy the above-described judgment, including interest, with any remaining balance to be paid unto the registry of the Court in order to satisfy any future adjudication of priority lienholders.

NOTICE IS FURTHER GIVEN that in the event that the Property is not sooner redeemed, the undersigned Special Master will, as set forth above, offer for sale and sell the Property to the highest bidder for cash or equivalent, for the purpose of satisfying, in the adjudged order of priorities, the judgment and decree of foreclosure described herein, together with any additional costs and attorney's fees, including the costs of advertisement and publication for the foregoing sale, and, reasonable receiver and Special Master's fees in an amount to be fixed by the Court. The amount of the judgment due is \$84,706.98, plus interest to and including date of sale in the amount of \$1,960.44, for a total judgment of \$86,667.42.

The foregoing sale may be postponed and rescheduled at the discretion of the Special Master, and is subject to all taxes, utility liens and other restrictions and easements of record, and subject to a one (1) month right of redemption held by the Defendant(s) upon entry of an order approving sale, an order of the Court approving the terms and conditions of sale.

Witness my hand this 23rd day of March, 2020.

/s/ David Washburn DAVID WASHBURN, Special Master 8100 Wyoming Blvd NE Suite M-4, Box 272 Albuquerque, NM 87113 Telephone: (505) 318-0300 E-mail: sales@nsi.legal #35361

LEGAL NOTICE March 27, 2020

NOTICE OF AIR QUALITY PERMIT APPLICATION

Targa Midstream Services, LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the revision of its natural gas treating and processing facility. The expected date of application submittal to the Air Quality Bureau is April 1, 2020.

The exact location for the proposed facility, known as Eunice Gas Processing Plant, is at latitude 32 deg, 25 min, 28 sec and longitude -103 deg, 8 min, 50 sec. The approximate location of this facility is 1.0 mile southeast of Eunice, NM in Lea County.

The proposed revision consists of increasing the condensate throughput at the facility.

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

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	10 pph	40 tpy
PM ₁₀	6 pph	24 tpy
PM _{2.5}	5 pph	20 tpy
Sulfur Dioxide (SO ₂)	10,165 pph	550 tpy
Nitrogen Oxides (NO _x)	1,888 pph	2,935 tpy
Carbon Monoxide (CO)	2,590 pph	895 tpy
Volatile Organic Compounds (VOC)	2,224 pph	320 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	82 pph	75 tpy
Hydrogen Sulfide (H ₂ S)	129 pph	14 tpy
Green House Gas Emissions as Total CO _{2e}	N/A	253,800 tpy

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

Owners and operators of the facility include: Versado Gas Processors LLC - Owner Targa Midstream Services LLC - Operator 6 Desta Drive, Suite 3300 Mildand, TX 79705

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

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

General information about air quality and the permitting process can be found at the Air Quality Bureau's web site. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC. This regulation can be found in the "Permits" section of this web site.

Atención Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-476-5557.

Notice of Non-Discrimination NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, you may contact: Kristine Pintado, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. If you believe that you have been discriminated against with respect to a NMED program or activity, you may contact the Non-Discrimination Coordinator identified above or visit our website at https://www.env.nm.gov/NMED/EJ/index.html to learn how and where to file a complaint of discrimination. #35362

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No. 1

from PAGE 1

es.org and www.EIA.gov.

Oil companies operating in Lea County reported producing a total of 18,212,675 barrels in December, while McKenzie County reported 18,099,532 barrels. In January, Lea County produced 18,761,224 barrels of oil while McKenzie County produced 17,704,370 barrels.

The Lea County Commission recently heard a report from Low and County Manager Mike Gallagher suggesting a need to reevaluate the county budget currently being planned for the fiscal year beginning July 1.

With the drastic decrease of oil prices from around \$50 per barrel to below \$30 per barrel at the time, Gallagher explained the projected revenue from oil production and oil equipment taxes dropped by \$16.7 million for next year. The price of oil

on Thursday lost \$1.89 per barrel to fall to \$22.60, about the same as the previous week.

After suggesting noted adjustments, Gallagher said the county still needs to find places to cut a total of \$5.8 million. The cuts are due to the price of oil, not the amount of oil produced as the EIA anticipates continued increases in production.

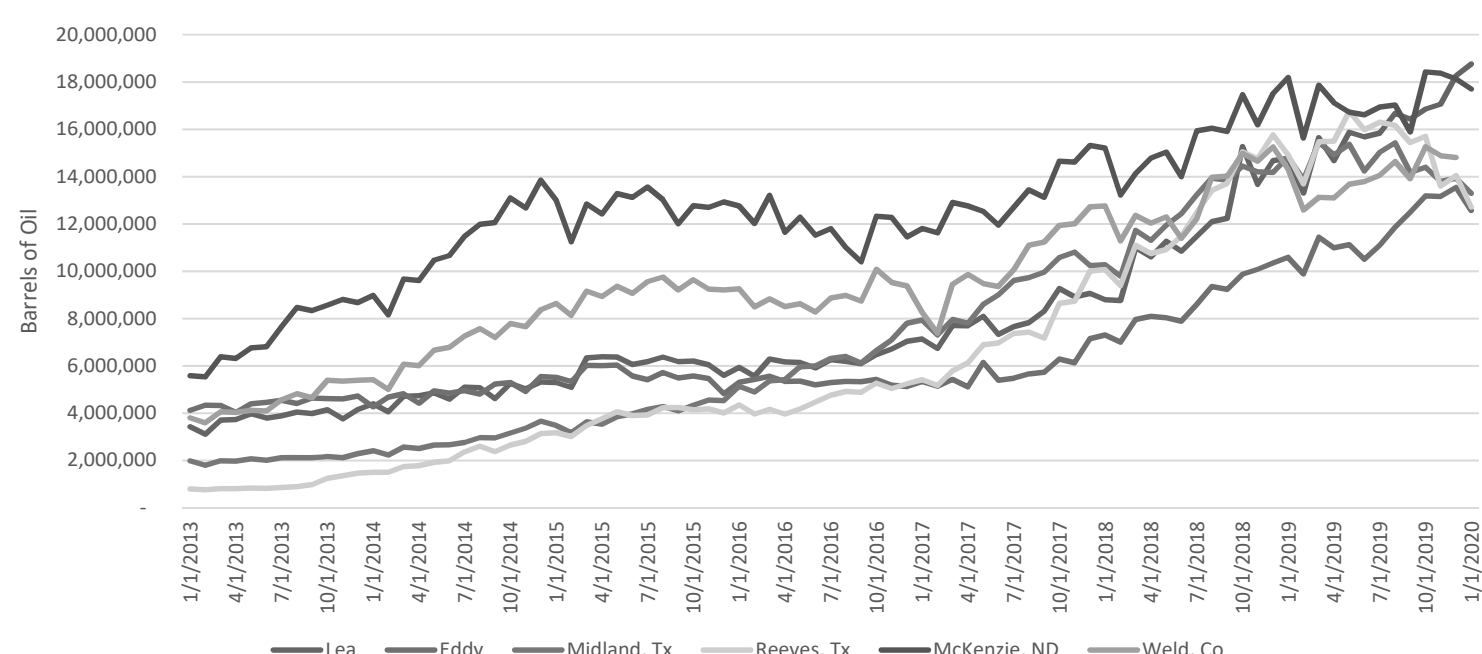
Having recently discussed Lea County oil production with Present Donald Trump on stage in Washington, D.C., Long told the News-Sun she will be notifying the White House of the new numbers placing the county at the top in production.

“They need some good news,” Long said. “It doesn’t help that oil has crashed. I hope it isn’t down for long.”

Curtis C. Wynne may be contacted at reporter3@hobbsnews.com.

Lea County New Mexico Historical Monthly County Oil Production January 2013 through January 2020

Sources: New Mexico Taxation & Revenue, Texas Railroad Commission, Colorado Oil & Gas Conservation Commission and the North Dakota Oil & Gas Division



Trial

from PAGE 1

and 1708 (Bond Street), that were defects that showed the bullets were exiting the backyard,” said Munro. “The only defects that were found were defects that showed the bullets were coming into the backyard.”

The ballistic evidence presented during Wednesday’s portion of the preliminary, showed three of the bullets and fragments tested were identified as being shot from the same weapon.

Kevin Streine, with the New Mexico Department of Public Safety Forensic Laboratory in Santa Fe, said during his testimony on Wednesday, that he received three guns, several casings and some bullets or bullet fragments from the scene. One of those handguns was Henderson’s .9 mm Taurus. Streine said the bullets and fragments were not a match to the three recovered firearms. Other bullets found at the scene were said to have been inconclusive.

“There were similarities to

those other three items of bullet evidence, but there were not enough markings for me to conclusively say that they were fired in that same gun as that group of three,” Streine said of the inconclusive evidence.

During his testimony, Munro was asked by Luce to identify Henderson in three videos recovered from Henderson’s social media. In one video, Henderson was identified in holding two handguns, one that looked similar to the .9 mm Taurus and an unidentified revolver. The sec-

ond video show Henderson holding what appeared to be the same revolver. No revolver was recovered during HPD’s investigation.

Munro testified the investigation’s theory is the revolver was used first by Henderson when the shooting started. One reason is there were no casings from another gun found at the spot in the backyard where the shooting took place. Munro said investigators believe given the time frame of what took place during the incident, the feasibility of someone picking up all the casings from a second weapon were improbable.

“It is much more probable that the shots that caused the deaths of Kahlil and Lamar, were, that gun was a revolver,” Munro testified.

Also during his testimony, Munro said no bullet was found to be responsible for Avena’s death.

Henderson’s defense attorney Barry Crutchfield questioned experts on evidence that the bullets that killed Lee-Kane and Carter did not come from the gun police identified as Henderson’s weapon.

“The ballistics report, you recognize that the Taurus weapon that was picked up by PD did not kill those two folks,” said Crutchfield.

“The Taurus was not responsible for the deaths of Kahlil or Lamar,” Munro confirmed to Crutchfield.

White testified about the post-incident interview he had with Henderson following the shooting, a video of the interview played in the courtroom.

Henderson was shown crying in some of the footage while talking about the incident. White testified Henderson initially denied shooting at the party. But when White “challenged him” on Henderson’s involvement, Henderson explained he shot at people who were shooting into the backyard. White testified he tried to get Henderson to tell police who was shooting into the party.

“To figure out exactly who he believed he was shooting at, or who was shooting at him,” White explained. “Which is still up in the air, still unknown.”

After the trial, Carter’s family spoke to the News-Sun about their impressions of Henderson during the preliminary.

“The fact that he had no remorse, no sympathy or anything for us is what I didn’t understand about the whole thing, I’m pretty much satisfied but I know there more people involved, but it’s a start,” said Tiffanie Carolina, Khalil Carter’s mom. “The fact that seven people got injured, three are deceased, and there was no remorse.”

Guns

from PAGE 1

As a result of the state’s closure of non-essential businesses, Gunn only opens the door for a customer to pick up a gun already purchased.

“The only thing I can finish up is for these people who paid for their guns last week and got delayed by their background checks,” Gunn said. “All we do is go to the door. We don’t let them in. They just sign their paper when they pick it up and they’re gone.”

Today, Gunn is worried about getting back in business, both for herself and her neighbor businesses.

“Some people are predicting it’s going to go on six weeks or more. It is hurting small businesses,” she said. “The big (stores) are thriving but all the little ones are shut down. Hundreds can go into Walmart and they don’t think they’re spreading disease. How many people can get in a little store? It’s very sad for all of us in small businesses. I really do think we’re being picked on.”

At Lefty’s Exchange, pawnshop and gun storeowner Jane McCorkle said her door also is locked, but she can perform some services as an essential business.

“We are a financial institution for the people here in Hobbs or

Lea County and, therefore, we are allowed to be open to help people if they need money to buy groceries and other essentials,” McCorkle said.

McCorkle also indicated an increase in sales of guns and ammunition during the weeks following the emergency declarations.

“We are not selling guns at this time,” McCorkle said. “If someone purchased a gun last week or the week before but were not cleared (until now), we are allowed to let them pick up that gun.”

“We’re closed. The door is locked, but if they call us we can try to help them,” McCorkle concluded.

Mark the date

Edward Jones

MAKING SENSE OF INVESTING

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Financial Advisor



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Hobbs, NM 88240
summer.north@edwardjones.com

TODAY

No events scheduled

SATURDAY

No events scheduled

SUNDAY

No events scheduled

Guidelines

Readers are welcome to submit items for free to Mark the Date calendar. The event should have a local connection, be open to the public and have contact information provided. E-mail items to editor@hobbsnews.com.

MODIFIED MERCALLI INTENSITY SCALE

CIIM Intensity	People's Reaction	Furnishings	Built Environment	Natural Environment
I	Not felt			Changes in level and clarity of well water are occasionally associated with great earthquakes at distances beyond which the earthquakes felt by people.
II	Felt by a few.	Delicately suspended objects may swing.		
III	Felt by several; vibration like passing of truck.	Hanging objects may swing appreciably.		
IV	Felt by many; sensation like heavy body striking building.	Dishes rattle.	Walls creak; window rattle.	
V	Felt by nearly all; frightens a few.	Pictures swing out of place; small objects move; a few objects fall from shelves within the community.	A few instances of cracked plaster and cracked windows with the community.	Trees and bushes shaken noticeably.
VI	Frightens many; people move unsteadily.	Many objects fall from shelves.	A few instances of fallen plaster, broken windows, and damaged chimneys within the community.	Some fall of tree limbs and tops, isolated rockfalls and landslides, and isolated liquefaction.
VII	Frightens most; some lose balance.	Heavy furniture overturned.	Damage negligible in buildings of good design and construction, but considerable in some poorly built or badly designed structures; weak chimneys broken at roofline, fall of unbraced parapets.	Tree damage, rockfalls, landslides, and liquefaction are more severe and widespread with increasing intensity.
VIII	Many find it difficult to stand.	Very heavy furniture moves conspicuously.	Damage slight in buildings designed to be earthquake resistant, but severe in some poorly built structures. Widespread fall of chimneys and monuments.	
IX	Some forcibly thrown to the ground.		Damage considerable in some buildings designed to be earthquake resistant; buildings shift off foundations if not bolted to them.	
X			Most ordinary masonry structures collapse; damage moderate to severe in many buildings designed to be earthquake resistant.	

Quake

from PAGE 1

were very close to it, you would experience strong shaking with a magnitude five.”

And, Hobbs, and points south, are definitely within the range to feel the quake, Wilson said.

“For that sort of distance the intensity, they call it the Modified Mercalli Intensity (MMI) Scale, which is a listing of intensities, Hobbs would have been in the intensity three sort of range,” Wilson said. “It goes up to nine, but it looks like the epicenter was in the five or six range.”

An MMI of around three would “felt by several; vibration like passing of a truck.”

“In (the Hobbs area) it would be felt, but not particularly strong,” Rubinstein said. “When you’re closer to the earthquake, that will make the shaking stronger, but as you get further away, the shaking gets weaker.”

And, at five miles deep, the quake was actually fairly shallow in geological terms but still in line with the depth of other quakes in the area that have happened.

“It depends on the fault structure, but five miles deep is still pretty shallow,” Heidi Koontz USGS Public Affairs Specialist said. “So, you would be able to feel it farther and wider.”

“Five miles is pretty consistent with our other observations in the area that are better constrained,” Rubinstein agreed. “It’s consistent for what we’ve seen in the Delaware basin.”

About an hour after the main quake, a 3.0 aftershock was felt across the area.

According to the USGS, “This earthquake occurred in an area of known human-caused (induced) seismicity. The relationship between this earthquake and the ongoing energy development in the region is under examination.”

“There have been several studies that show you get increased rates of seismicity, not just with fracking, but general oilfield activities. It could be with wastewater injection or a variety of things,” Wilson said.

Rubinstein agreed. “A colleague of mine had a scientific article published at the end of last year or beginning of this year about earthquakes in this exact area,” Rubinstein said. “He showed very clearly a lot of these earthquakes appear to be connected to wastewater disposal, and less earthquakes are connected to hydraulic fracturing in the area.”

And, while there have been a number of earthquakes of various intensities the last several years, no one factor can

determine when a quake might happen.

“Earthquakes east of the Rocky Mountains, although less frequent than in the West, are typically felt over a much broader region than earthquakes of similar magnitude in the west,” The USGS stated in a press release.

“It really depends on the pre-existing geology of the area, if you’ve got faults or stresses,” Wilson said.

“There certainly is not a lot of (natural) active seismicity in the area,” Rubinstein said. “The most recent earthquake that I know of in the area, that is certainly natural, is way down in Alpine, Texas, in 1995. It was a 5.7. There is natural seismicity near Socorro, but that’s related to the magma body there.”

“You’re not going to get a lot of natural earthquakes in the area, but you can never eliminate the possibility that these earthquakes are natural,” he said.

If you felt the earthquake, or feel any others, scientists say it’s important to fill out a “felt report” via the USGS reporting site at <https://earthquake.usgs.gov/earthquakes/event-page/us70008ggn/tellus>

Blake Ovard may be reached at manageditor@hobbsnews.com.

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NOTICE OF AIR QUALITY PERMIT APPLICATION

Targa Midstream Services, LLC announces its application submittal to the New Mexico Environment Department for the air quality permit for the revision of its natural gas treating and processing facility. The expected date of application submittal to the Air Quality Bureau is April 1, 2020.

The exact location for the proposed facility, known as Eunice Gas Processing Plant, is at latitude 32 deg, 25 min, 28 sec and longitude -103 deg, 8 min, 50 sec. The approximate location of this facility is 1.0 mile southeast of Eunice, NM in Lea County.

The proposed revision consists of increasing the condensate throughput at the facility.

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

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	10 pph	40 tpy
PM ₁₀	6 pph	24 tpy
PM _{2.5}	5 pph	20 tpy
Sulfur Dioxide (SO ₂)	10,165 pph	550 tpy
Nitrogen Oxides (NO _x)	1,888 pph	2,935 tpy
Carbon Monoxide (CO)	2,590 pph	895 tpy
Volatile Organic Compounds (VOC)	2,224 pph	320 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	82 pph	75 tpy
Hydrogen Sulfide (H ₂ S)	129 pph	14 tpy
Green House Gas Emissions as Total CO ₂ e	N/A	253,800 tpy

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

Owners and operators of the facility include:

Versado Gas Processors LLC - Owner
Targa Midstream Services LLC - Operator
6 Desta Drive, Suite 3300
Midland, TX 79705

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

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

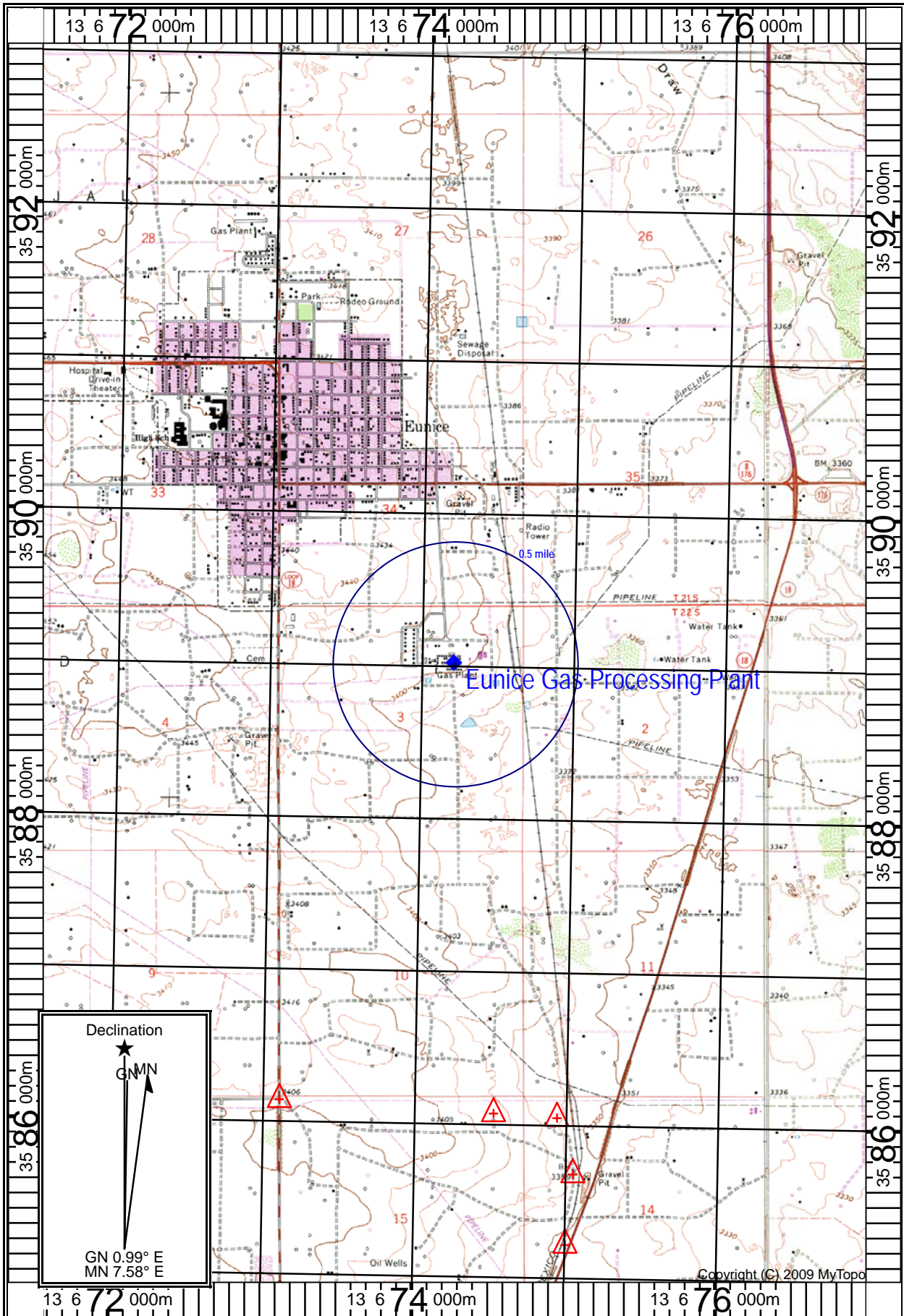
General information about air quality and the permitting process can be found at the Air Quality Bureau’s web site. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC. This regulation can be found in the “Permits” section of this web site.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-476-5557.

Notice of Non-Discrimination

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



Map Name: EUNICE
 Print Date: 11/01/17

Scale: 1 inch = 3,000 ft.
 Map Center: 13 0674210 E 3589C

Horizontal Datum: WGS84

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Section 10

Written Description of the Routine Operations of the Facility

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

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 separated (gunbarrel Unit TK-3) and stored (Units TK-1 and TK-2) prior to loadout via truck (Units L-01 and L-02). Working and breathing losses and flash losses from the tanks are controlled by a VRU. Loadout emissions are controlled by vapor balancing with the condensate tanks, TK-1 and TK-2. Tank VRU downtime emissions (SSM emissions) are included in this application.

Once the field gas passes through the inlet separator, it is routed to the inlet compressors (Units C-01 to C-13, C-20 to C-22, EC-1, EC-2, and EC-3) to increase the pressure of the gas. The stream will then be sent to an amine treater (Unit AM-01) for the purpose of removing carbon dioxide and hydrogen sulfide entrained in the field gas stream. The supply of steam used as the heat source to regenerate the rich amine is created by the two boilers located at the facility (Units B-01 and B-02). Emissions from the amine still overheads is routed to the AGI well (Unit AGI, AGI-C, and proposed AGI-C2) or the emergency acid gas flare (Unit F-01). The inlet/residue flare (Unit F-02) and the acid gas flare (Unit F-01) are used for SSM and malfunction emissions.

After the amine treating, the field gas is sent to a TEG dehydration system (Unit G-01) for the purpose of removing water from the gas stream. A TEG regeneration heater (Unit RH-E) is used to regenerate the rich TEG. Please note Unit RH-W is used as a standby regeneration heater for the dehydration system. TEG regenerator emissions are re-routed to the inlet. The TEG dehydrator system is a completely closed system and has two vapor recovery units controlling the emissions from the unit. When one VRU goes down the second VRU will control the TEG dehydrator. The gas is then sent to multiple mole sieve adsorption towers for additional water removal. One or more towers will be in dehydration mode while one or more are in regeneration mode. The towers contain a solid desiccant material that removes the moisture contained within the field gas stream prior to entrance into the cryogenic unit.

Natural gas liquids (NGL) recovery is achieved through a cryogenic process where the liquid-rich field gas temperature is dropped drastically. This rapid temperature drop condenses out the ethane and heavier NGL's while at the same time maintaining methane in gas form (residue gas). The resulting condensed liquid consists of a marketable NGL Y-Grade product that will be sent to market via pipeline.

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 high pressure pipeline compressors (Units C-13A and C-17 to C-19) and low pressure pipeline compressors (Units C-20-22). 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 large boilers (B-01 and B-02) and the regenerator heater (H-02) send heat to multiple processes at the facility.

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):

Units described in Table 2-A.

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 12

Section 12.A

PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

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

A. This facility is:

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

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

- a. NOx: - TPY
- b. CO: - TPY
- c. VOC: **38.56** TPY
- d. SOx: - TPY
- e. PM: - TPY
- f. PM10: - TPY
- g. PM2.5: - TPY
- h. Fluorides: - TPY
- i. Lead: - TPY
- j. Sulfur compounds (listed in Table 2): - TPY
- k. H2S: **0.37** TPY
- l. GHG: **6.41** TPY

C. Netting is **not required (project is not significant)**.

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

E. If this is an existing PSD major source, or any facility with emissions greater than 250 TPY (or 100 TPY for 20.2.74.501 Table 1 – PSD Source Categories), determine whether any permit modifications are related, or could be considered a single project with this action, and provide an explanation for your determination whether a PSD modification is triggered.

PSD Applicability Review

Targa proposes to modify the NSR Permit 0067-M9R2 by increasing the annual condensate throughput at the site.

PSD Applicability Steps 1 and 2 – Project Determination and Project Net Increases

For this application, the “project” includes the VRU downtime emissions and loading emissions. This change is not associated with any past projects. The project net emission changes considered for this analysis are described below.

In Step 1 of the PSD applicability review, the net emissions change from the project are compared to the PSD significant emission rate (SER). Any pollutants with a net emissions change that exceeds the respective SER must undergo PSD Netting in Step 2. The project emissions described in this application include the following sources in the below table:

- Condensate Tanks (TK-1 & TK-2);
- VRU Downtime (Unit SSM-VRU); and
- Annual Condensate Loading (Unit L-01 & L-02).

SSM-VRU Baseline Emissions

Year	NO _x (ton/yr)	CO (ton/yr)	VOC (ton/yr)	SO _x (ton/yr)	PM ₁₀ , PM _{2.5} (ton/yr)	H ₂ S (ton/yr)	CO _{2e} (ton/yr)
2017	-	-	1.50	-	-	0.10	-
2018	-	-	1.50	-	-	0.10	-
SSM-VRU Two Year Actual Average (2017 & 2018):	-	-	1.50	-	-	0.10	-

L-01/L-02 Baseline Emissions

Year	NO _x (ton/yr)	CO (ton/yr)	VOC (ton/yr)	SO _x (ton/yr)	PM ₁₀ , PM _{2.5} (ton/yr)	H ₂ S (ton/yr)	CO _{2e} (ton/yr)
2017	-	-	7.13	-	-	-	-
2018	-	-	7.85	-	-	-	-
L-01/L-02 Two Year Actual Average (2017 & 2018):	-	-	7.49	-	-	-	-

SSM-VRU Actuals to PTE¹

Actuals / PTE	NO _x (ton/yr)	CO (ton/yr)	VOC (ton/yr)	SO _x (ton/yr)	PM ₁₀ , PM _{2.5} (ton/yr)	H ₂ S (ton/yr)	CO _{2e} (ton/yr)
Actuals	-	-	1.50	-	-	0.10	-
Proposed PTE	-	-	39.41	-	-	0.42	6.23
SSM-VRU Project Net Emissions Change	-	-	37.91	-	-	0.32	6.23

L-01/L-02 Actuals to PTE¹

Actuals / PTE	NO_x (ton/yr)	CO (ton/yr)	VOC (ton/yr)	SO_x (ton/yr)	PM₁₀, PM_{2.5} (ton/yr)	H₂S (ton/yr)	CO_{2e} (ton/yr)
Actuals	-	-	7.49	-	-	-	-
Proposed PTE	-	-	8.15	-	-	0.045	0.18
L-02/L-02 Project Net Emissions Change	-	-	0.65	-	-	0.045	0.18

Step 1 - Project Net Emissions Change

Unit	NO_x (ton/yr)	CO (ton/yr)	VOC (ton/yr)	SO_x (ton/yr)	PM₁₀, PM_{2.5} (ton/yr)	H₂S (ton/yr)	CO_{2e} (ton/yr)
TK-1	-	-	-	-	-	-	-
TK-2	-	-	-	-	-	-	-
SSM-VRU	-	-	37.91	-	-	0.32	6.23
L-01/L-02	-	-	0.65	-	-	0.045	0.18
Project Total	0.00	0.00	38.56	0.00	0.00	0.37	6.41
PSD Significance Thresholds	40	100	40	40	10	10	75000
Are project Emissions Significant?	NO	NO	NO	NO	NO	NO	NO

¹ Past actual and proposed PTE emissions are estimated using the same calculation methodology.

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:

<u>STATE REGU- LATIONS CITATION</u>	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. Also listed as applicable in NSR Permit 0067-M8-R1.
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 could apply to existing (prior to July 1, 1974) or new (on or after July 1, 1974) natural gas processing plants that use a Sulfur Recovery Unit to reduce sulfur emissions. The facility is not subject to this regulations since it has an AGI well.
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	Yes	TK-1, TK-2	The purpose of this regulation is to minimize hydrogen sulfide emissions from hydrocarbon storage facilities. The condensate tanks, TK-1 and TK-2, are new hydrocarbon storage facilities as they were constructed after July 1, 1975. TK-1 and TK-2 are in the Permian-Pecos AQS. Part 20.2.38.109 applies to these tanks. Targa is compliant with this regulation.
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 Eunice does not have a sulfur recovery plant.
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	C-01 to C-22, B01, B- 02, RH- W, RH- E, H-01, H-02, EG-01, EG-02, F-01 and F-02	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). With the repeal of 20.2.37 NMAC this regulation applies to all combustion equipment.
20.2.70 NMAC	Operating Permits	Yes	Facility	This regulation establishes requirements for obtaining an operating permit. This facility is a Title V major source of NO _x , CO, VOC, SO ₂ , and HAPs. The facility is permitted under Title V Permit P109-R2M1.
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.

<u>STATE REGU- LATIONS CITATION</u>	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.)
20.2.72 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) 0067-M8-R1 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 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 PSD permit. This facility is a major source for PSD purposes and is in compliance with the applicable requirements of this regulation.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	This regulation establishes the guidelines and requirements for construction permitting fees. This facility is subject to 20.2.72 NMAC and is in turn subject to 20.2.75 NMAC. This facility is exempt from annual fees under this part (20.2.75.11.E NMAC) as it is subject to fees pursuant to 20.2.71 NMAC.
20.2.77 NMAC	New Source Performance	Yes	Units subject to 40 CFR 60	This regulation applies to all sources subject to a 40 CFR 60 regulation, as amended through September 23, 2013. The facility is subject to this regulation because Units FG-01 and L-01 are subject to NSPS KKK. Units EC-1 and EC-2 compressors and unit L-02 are subject to NSPS OOOO. Units AGI-C2 EC-3 and FG-01 are subject to NSPS OOOOa. The fugitives in propane service are also subject to NSPS OOOOa (associated with project FG-01-RSC). Units EG-01 and EG-02 are subject to NSPS IIII.
20.2.78 NMAC	Emission Standards for HAPS	No	Units Subject to 40 CFR 61	This regulation applies to all sources subject to a 40 CFR 61 regulation, as amended through December 31, 2010. Although this standard does not apply to this facility under routine operating conditions, in the case of asbestos demolition, Subpart M would apply.
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	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	<p>This regulation established state authority to implement MACT Standards for source categories of HAPS. This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63, as amended through August 29, 2013. The following units are subject to MACT subparts as amended through December 31, 2010:</p> <ul style="list-style-type: none"> • Units EG-01 and EG-02, C-01 to C-13 are existing 2SLB engines and are subject to limited requirements under MACT ZZZZ. The engines do not have to meet the requirements of MACT 63 Subpart ZZZZ and of Subpart A, including initial notification requirements. [63.6590(b)(3)(i) and 63.6590(b)(3)(ii)]. • C13A, C17 to C22 are subject as 4SRB existing RICE >500 hp at major HAP source. Emission standards at 63.6600(a), Tables 1a and 1b limit formaldehyde emissions. Compliance requirements include stack testing to measure formaldehyde at 63.6610, Table 4. • Unit G-01 is subject to MACT HH • Units B-01, B-02, RH-W, RH-E, H-02, and H-01 are subject to MACT DDDDD

Table for Applicable FEDERAL REGULATIONS (Note: This is not an exhaustive list):

<u>FEDERAL REGULATIONS CITATION</u>	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 NO _x , CO, SO ₂ , H ₂ S, PM ₁₀ , and PM _{2.5} 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 and is applicable to any stationary source constructing or modifying which is subject to the requirements of 40 CFR Part 60. The facility is subject to this regulation because Units FG-01 and L-01 are subject to NSPS KKK. Units L-02, EC-1, EC-2, and EC-3 compressors are subject to NSPS OOOO. Units EG-01 and EG-02 are subject to NSPS IIII.
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 heat inputs 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 industrial-commercial-institutional steam generating units. This regulation does not apply because units RH-W, B-01 and B-02 commenced construction before June 9, 1989. The regulation does not apply to unit H-01, H-02, or RW-E since these units all have a heat input capacity of less than 10 MMBtu/hr.
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 affected facility is each storage vessel with a storage capacity greater than 40,000 gallons used to store petroleum liquids. Tanks TK-1 and TK-2 do not meet this storage capacity threshold; each tank has a capacity of 21,000 gallons (500 bbl). This regulation does not apply.
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	No	N/A	This regulation establishes performance standards for storage vessels for volatile organic liquids for which construction, reconstruction, or modification commenced after July 23, 1984. Tanks TK-1 and TK-2 have storage capacities of 79.5 m ³ which is greater than the 75 m ³ threshold. However, these tanks are exempt from this regulation per 40 CFR 60.110b(d)(4) as they are storage vessels less than 1,589.874 m ³ used for condensate stored prior to custody transfer.

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies ? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	No	N/A	This regulation establishes standards of performance for certain stationary gas turbines. This regulation does not apply as there are no turbines at Eunice Gas Processing Plant.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	Yes	Facility	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. Any affected facility under paragraph (a) of this section that commences construction, reconstruction, or modification after January 20, 1984, is subject to the requirements of this subpart. The group of all equipment (each pump, pressure relief device, open-ended valve or line, valve, compressor, and flange or other connector that is in VOC service or in wet gas service, and any device or system required by this subpart) except compressors (defined in § 60.631) within a process unit is an affected facility. A compressor station, dehydration unit, sweetening unit, underground storage tank, field gas gathering system, or liquefied natural gas unit is covered by this subpart if it is located at an onshore natural gas processing plant.
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO ₂ 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 amine unit at the facility is not subject to this regulations as it was constructed before the January 20, 1984 applicability date.
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 and before September 18, 2015	Yes	EC-1, EC-2, L-02	This regulation establishes standards of performance for crude oil and natural gas production, transmission and distribution. The rule applies to “affected” facilities that are constructed, modified, or reconstructed after Aug 23, 2011. The storage vessels and compressors located at the facility were constructed prior to August 23, 2011. Units EC-1 and EC-2 will each have a compressor constructed after August 23, 2011 and before September 18, 2015 and will be subject to NSPS OOOO. Unit L-02 will have fugitive emissions associated with the units.
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	EC-3, FG-01, FG-01- RSC AGI-C2	<p>This regulations establishes emission standards and compliance schedules for the control of the pollutant greenhouse (GHG). The greenhouse gas standard in this subpart is in the form of a limitation on emissions for methane from affected facilities in the crude oil and natural gas source category that commence construction, modification, or reconstruction after September 18, 2015. This subpart also establishes emissions standards and compliance schedules for the control of volatile organic compounds (VOC), and sulfur dioxide (SO₂) emissions from affected facilities. The facility will follow all fugitive requirements under 60.5400a</p> <p>The fugitives associated with project FG-01-RSC are be subject to NSPS OOOOa fugitive requirements under 60.5400a. These components are the fugitives associated with propane service at the facility.</p> <p>AGI-C2 compressor is subject to NSPS OOOOa.</p>

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies ? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	Yes	EG-01, EG-02	This regulation establishes standards of performance for stationary compression ignition internal combustion engines. This rule applies to IC engines (diesel engines) that commenced construction after July 11, 2005. Both diesel engines are subject to emission standards under this subpart. Unit EG-02 is a Tier 3 diesel engine and meets standards on Table 1 of 40 CFR 89.112. EG-01 is a diesel engine subject to 60.4200(a)(1)(i).
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 compression ignition internal combustion engines. All engines at this facility commenced construction prior to June 12, 2006. This regulation does not apply.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	This subpart establishes emission standards and compliance schedules for the control of greenhouse gas (GHG) emissions from a steam generating unit, IGCC, or a stationary combustion turbine that commences construction after January 8, 2014 or commences modification or reconstruction after June 18, 2014. This site does not contain the affected facility. This regulation does not apply.
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	This subpart establishes emission guidelines and approval criteria for State or multi-State plans that establish emission standards limiting greenhouse gas (GHG) emissions from an affected steam generating unit, integrated gasification combined cycle (IGCC), or stationary combustion turbine. This site does not contain the affected facility. This regulation does not apply.
NSPS 40 CFR 60, Subparts WWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	This facility is not a municipal solid waste landfill. This regulation does not apply.
NESHAP 40 CFR 61 Subpart A	General Provisions	No (Potentially)	N/A	This part applies to the owner or operator of any stationary source for which a standard is prescribed under this part. Although this standard does not apply to this facility under routine operating conditions, in the case of asbestos demolition, Subpart M would apply.
NESHAP 40 CFR 61 Subpart E	National Emission Standards for Mercury	No	N/A	This regulation establishes a national emission standard for mercury. The facility does not have 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 [40 CFR Part 61.50]. The facility is not subject to this regulation.
NESHAP 40 CFR 61 Subpart M	National Emission Standards for Asbestos	No (Potentially)	N/A	Although this standard does not apply to this facility under routine operating conditions, in the case of asbestos demolition, Subpart M would apply.
NESHAP 40 CFR 61 Subpart V	National Emission Standards for Equipment Leaks (Fugitive Emission Sources)	No	N/A	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.

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies ? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
MACT 40 CFR 63, Subpart A	General Provisions	Yes	Units Subject to 40 CFR 63	<p>This regulation defines general provisions for relevant standards that have been set under this part. This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63. The following units are subject to MACT subparts:</p> <ul style="list-style-type: none"> Units EG-01 and EG-02, C-01 to C-13 are existing 2SLB engines are subject to limited requirements under MACT ZZZZ. The engines do not have to meet the requirements of MACT 63 Subpart ZZZZ and of Subpart A, including initial notification requirements. [63.6590(b)(3)(i) and 63.6590(b)(3)(ii)]. C13A, C17 to C22 are subject as 4SRB existing RICE >500 hp at major HAP source. Emission standards at 63.6600(a), Tables 1a and 1b limit formaldehyde emissions. Compliance requirements include stack testing to measure formaldehyde at 63.6610, Table 4. Unit G-01 is subject to MACT HH Units B-01, B-02, RH-W, RH-E, H-02, and H-01 are subject to MACT DDDDD
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	Yes	G-01	<p>This regulation establishes national emission standards for hazardous air pollutants from oil and natural gas production facilities. The glycol dehydrator, unit G-01, is subject to this regulation. There are no control requirements under this subpart as the benzene emissions from this unit are less than 0.9 Mg/yr. Recordkeeping and reporting requirements apply.</p>
MACT 40 CFR 63 Subpart HHH	Natural Gas Transmission and Storage Facilities	No	N/A	<p>This subpart applies to owners and operators of natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user (if there is no local distribution company), and that are major sources of hazardous air pollutants (HAP) emissions as defined in §63.1271. This facility is not a natural gas transmission and storage facility as defined in this subpart. This regulation does not apply.</p>
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	Yes	B-01, B-02, RH-W, RH-E, H-02, H-01	<p>Units RH-W, B-01 and B-02 are subject to MACT 40 CFR 63 Subpart DDDDD as existing sources since they were constructed before the June 4, 2010 applicability date. The boilers combust clean gas (ie natural gas) and have the following requirements in regards to MACT DDDDD:</p> <ul style="list-style-type: none"> Per 63.7510 (e) - Complete initial tune-ups by 1/31/2016 NO numeric emission limits in Table 1 Per 63.7510 (e) - One-time energy assessment to be completed by 1/31/2016 Per 63.75450 (c) - Submit initial notification of applicability by 5/31/2013 Per 63.7550 (b) - Compliance certification 1st report submitted by January 31, 2017. Annual or 5 year compliance reports submitted by January 31. <p>Units RH-E, H-02, and H-01 are subject to MACT 40 CFR 63 Subpart DDDDD as existing sources since they were constructed before the June 4, 2010 applicability date. The heaters are less than 5 mmbtu/hr and combust clean gas (ie natural gas). The units have the following requirements in regards to MACT DDDDD:</p> <ul style="list-style-type: none"> Per 63.7500 (e) - Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in § 63.7540.
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	<p>This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from coal- and oil-fired electric utility steam generating units (EGUs) as defined in §63.10042 of this subpart. This facility does not contain an affected source under this regulation. This regulation does not apply.</p>

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies ? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)	Yes	C-01 to C-13, C-13A, C-17 to C-22, EG-01, EG-02	This regulation defines national emissions standards for HAPs for stationary Reciprocating Internal Combustion Engines. Units EG-01 and EG-02, and C-01 to C-13 are existing 2SLB engines and are subject to limited requirements under MACT ZZZZ. The engines do not have to meet the requirements of MACT 63 Subpart ZZZZ and of Subpart A, including initial notification requirements. [63.6590(b)(3)(i) and 63.6590(b)(3)(ii)]. Units EG-01 is a CI engine subject to MACT ZZZZ emission limits on Table 2a of MACT ZZZZ. Unit EG-02 is a Tier 3 diesel engine subject to MACT ZZZZ and meets applicable requirements. C13A, C17 to C22 are subject as 4SRB existing RICE >500 hp at major HAP source. Emission standards at 63.6600(a), Tables 1a and 1b limit formaldehyde emissions. Compliance requirements include stack testing to measure formaldehyde at 63.6610, Table 4.
40 CFR 64	Compliance Assurance Monitoring	Yes	AM-01, AGI, F-01, and C-13A, C-17, C-18, C-19, C-20, C-21, and C-22	The dehydrator (unit G-01) at Eunice Gas Processing Plant has pre-control VOC emissions greater than 100 tpy VOC, is subject to a VOC emission limitation in NSR Permit 0067-M6-R2 and uses a control device (the VRU) to achieve compliance with this limit. However, the dehydrator is subject to MACT Subpart HH (proposed by EPA on 2/6/98), so it is exempt from CAM requirements pursuant to 40 CFR 64.2(b)(1)(i). The amine unit (AM-01) at the facility is not directly subject to any permit emission limitations or standards. It is controlled by both the acid gas injection well (AGI), and the acid gas flare (F-01). The AGI and the acid gas flare are subject to CAM.
40 CFR 68	Chemical Accident Prevention	Yes	Facility	Eunice has more than a threshold quantity of a regulated substance in a process, as determined under §68.115. Accordingly this regulation applies. The facility maintains a current RMP.
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 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 75	Continuous Emissions Monitoring	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 76	Acid Rain Nitrogen Oxides Emission Reduction Program	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 VI – 40 CFR 82	Protection of Stratospheric Ozone	Yes	Facility	Targa owns appliances containing CFCs and is therefore technically subject to this requirement. Targa uses only certified technicians for the maintenance, service, repair, and disposal of appliances and maintains the appropriate records for this requirement. Note: Disposal definition in 82.152: Disposal means the process leading to and including: (1) The discharge, deposit, dumping or placing of any discarded appliance into or on any land or water; (2) The disassembly of any appliance for discharge, deposit, dumping or placing of its discarded component parts into or on any land or water; or (3) The disassembly of any appliance for reuse of its component parts. “Major maintenance, service, or repair means” any maintenance, service, or repair that involves the removal of any or all of the following appliance components: compressor, condenser, evaporator, or auxiliary heat exchange coil; or any maintenance, service, or repair that involves uncovering an opening of more than four (4) square inches of “flow area” for more than 15 minutes.

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

During periods when the AGI well is inoperable, gas in the pipeline leading to the well will be briefly flared; then acid gas may be flared at the plant site.

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: https://www.env.nm.gov/aqb/permit/aqb_pol.html. 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).

When electricity is down for the electric compressors (units EC-1, EC-2, and EC-3) and they cannot operate, backup natural gas engines (units C-09, C-10, C-11 and C-12) will operate instead.

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.	
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.	X
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.

<p>New Mexico Environment Department Air Quality Bureau Modeling Section 525 Camino de Los Marquez - Suite 1 Santa Fe, NM 87505</p> <p>Phone: (505) 476-4300 Fax: (505) 476-4375 www.env.nm.gov/aqb/</p>		<p>For Department use only:</p> <p>Approved by: Sufi Mustafa Date: 5/11/2020</p>
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Air Dispersion Modeling Waiver Request Form

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

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

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

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

Section 1 and Table 1: Contact and facility information:

Contact name	Rachel Reese
E-mail Address:	RReese@trinityconsultants.com
Phone	505-266-6611
Facility Name	Eunice Gas Plant
Air Quality Permit Number(s)	0067-M9R2
Agency Interest Number (if known)	609
Latitude and longitude of facility (decimal degrees)	32.424444°, -103.147222°

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

This application is being submitted to increase the throughput of condensate at the facility.

Targa is submitting a significant revision application pursuant to 20.2.72.219.D.1.a NMAC. Targa proposes to modify NSR Permit 0067-M9R2 to increase the condensate throughput at the facility. This will affect the VRU downtime and the loading emissions at the site. Emissions of VOC and H₂S will be increasing with this application.

The application is addressing emissions from the increase in throughput. The facility completed H₂S modeling in the application for NSR Permit 0067-M10 which is under review with the NMED.

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

In Table 2, below, list all regulated air pollutants emitted from your facility, except for New Mexico Toxic Air Pollutants, which are listed in Table 6 of this form. All pollutants emitted from the facility must be listed regardless if a modeling waiver is requested for that pollutant or if the pollutant emission rate is subject to the proposed permit changes.

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

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

Section 3: Facility wide pollutants, other than NMTAPs, with very low emission rates

The Air Quality Bureau has performed generic modeling to demonstrate that small sources, as listed in Appendix 2 of this form, do not need computer modeling. After comparing the facility’s emission rates for various pollutants to Appendix 2, please list in Table 3 the pollutants that do not need to be modeled because of very low emission rates.

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

A waiver for very low emissions is not being requested.

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

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

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

A modeling waiver is requested for H₂S based on the modeling submitted with the application for NSR Permit 0067-M10.

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

Pollutant	Averaging period	Proposed emission rate (pounds/hour)	Previously modeled emission rate (pounds/hour)	Proposed Emissions Increase (lb/hr)	Modeled percent of standard or increment	Year modeled
H ₂ S	1-hr	73.06	69.92*	3.14	21.6% NMAAQS	2020

*There were multiple scenarios modeled. The worst-case scenario's emission rate is shown here.

Section 4, Table 5: Questions about previous modeling:

Question	Yes	No
Was AERMOD used to model the facility?	X	
Did previous modeling predict concentrations less than 95% of each air quality standard and PSD increment?		X
Were all averaging periods modeled that apply to the pollutants listed above?	X	
Were all applicable startup/shutdown/maintenance scenarios modeled?	X	
Did modeling include all sources within 1000 meters of the facility fence line that now exist?	X	
Did modeling include background concentrations at least as high as current background concentrations?	X	
If a source is changing or being replaced, is the following equation true for all pollutants for which the waiver is requested? (Attach calculations if applicable.)	X	
$\frac{[(g) \times (h1)] + [(v1)^2/2] + [(c) \times (T1)]}{q1} \leq \frac{[(g) \times (h2)] + [(v2)^2/2] + [(c) \times (T2)]}{q2}$ <p style="text-align: center;"> <u>EXISTING SOURCE</u> <u>REPLACEMENT SOURCE</u> </p> <p>Where g = gravitational constant = 32.2 ft/sec² h1 = existing stack height, feet v1 = exhaust velocity, existing source, feet per second c = specific heat of exhaust, 0.28 BTU/lb-degree F T1 = absolute temperature of exhaust, existing source = degree F + 460 q1 = emission rate, existing source, lbs/hour h2 = replacement stack height, feet v2 = exhaust velocity, replacement source, feet per second T2 = absolute temperature of exhaust, replacement source = degree F + 460 q2 = emission rate, replacement source, lbs/hour</p>		

If you checked "no" for any of the questions, provide an explanation for why you think the previous modeling may still be used to demonstrate compliance with current ambient air quality standards.

SO₂ for the facility was modeled in 2020 for NSR Permit 0067-M10 and was at 96% of the SO₂ 1-hour standard. This waiver is only addressing H₂S.

The above-mentioned pound per hour increase is insignificant compared to the facility-wide pound per hour emissions, thus the previous modeling still demonstrates compliance with current ambient air quality standards. For reference, Table 6 below displays the anticipated percent of standard.

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

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

If you are not scaling previous results, note that here. You do not need to complete the rest of section 5.

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

Based on the table below, proposed emissions are anticipated to result in concentrations below the applicable standards after scaling.

Table 6: Scaled Emissions

Pollutant	Averaging period	Previously modeled emission rate (pounds/hour)	Previously Modeled percent of standard or increment	Proposed emission rate (pounds/hour)	Proposed Modeled percent of standard or increment
H ₂ S	1-hr	69.92*	21.6% NMAAQs	73.06	22.6% NMAAQs

*There were multiple scenarios modeled. The worst-case scenario's emission rate is shown here.

Section 6: New Mexico Toxic air pollutants – 20.2.72.400 NMAC

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

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

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

[A waiver for NMTAPS is not requested.](#)

Section 7: Approval or Disapproval of Modeling Waiver

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

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

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

Appendix 2. Very small emission rate modeling waiver requirements

Modeling is waived if emissions of a pollutant for the entire facility (including haul roads) are below the amount:

Pollutant	If all emissions come from stacks 20 feet or greater in height and there are no horizontal stacks or raincaps (lb/hr)	If not all emissions come from stacks 20 feet or greater in height, or there are horizontal stacks, raincaps, volume, or area sources (lb/hr)
CO	50	2
H ₂ S (Pecos-Permian Basin)	0.1	0.02
H ₂ S (Not in Pecos-Permian Basin)	0.01	0.002
Lead	No waiver	No waiver
NO ₂	2	0.025
PM _{2.5}	0.3	0.015
PM ₁₀	1.0	0.05
SO ₂	2	0.025
Reduced sulfur (Pecos-Permian Basin)	0.033	No waiver
Reduced sulfur (Not in Pecos-Permian Basin)	No waiver	No waiver

Universal Application 4

Air Dispersion Modeling Report

Refer to and complete Section 16 of the Universal Application form (UA3) to assist your determination as to whether modeling is required. If, after filling out Section 16, you are still unsure if modeling is required, e-mail the completed Section 16 to the AQB Modeling Manager for assistance in making this determination. If modeling is required, a modeling protocol would be submitted and approved prior to an application submittal. The protocol should be emailed to the modeling manager. A protocol is recommended but optional for minor sources and is required for new PSD sources or PSD major modifications. Fill out and submit this portion of the Universal Application form (UA4), the "Air Dispersion Modeling Report", only if air dispersion modeling is required for this application submittal. This serves as your modeling report submittal and should contain all the information needed to describe the modeling. No other modeling report or modeling protocol should be submitted with this permit application.

16-A: Identification		
1	Name of facility:	Eunice Gas Plant (Eunice)
2	Name of company:	Targa Midstream Services, LLC (Targa)
3	Current Permit number:	0067-M9-R2
4	Name of applicant's modeler:	Michael Celente
5	Phone number of modeler:	(505) 266-6611
6	E-mail of modeler:	mcelente@trinityconsultants.com

16-B: Brief		
1	Was a modeling protocol submitted and approved?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2	Why is the modeling being done?	Other (describe below)
3	Describe the permit changes relevant to the modeling. Targa is submitting this modeling in conjunction with a significant revision application pursuant to 20.2.72.219.D.1.a NMAC. Targa proposes to modify NSR Permit 00067-M9R2 to incorporate a redundant compressor driven by an electric motor. This additional compressor will allow for acid gas compression and injection during acid gas compressor maintenance events. As a result, flaring during acid gas compressor planned maintenance activities will be reduced. Acid gas flaring emissions will be updated with this application. Hourly emissions from the acid gas flare will be increasing.	
4	What geodetic datum was used in the modeling?	WGS84

5	How long will the facility be at this location?	> 1 year	
6	Is the facility a major source with respect to Prevention of Significant Deterioration (PSD)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
7	Identify the Air Quality Control Region (AQCR) in which the facility is located	155	
8	List the PSD baseline dates for this region (minor or major, as appropriate).		
	NO ₂	February 8, 1988	
	SO ₂	January 6, 1975	
	PM ₁₀	January 6, 1975	
	PM _{2.5}	October 20, 2010	
9	Provide the name and distance to Class I areas within 50 km of the facility (300 km for PSD permits).		
	Carlsbad Caverns National Park – 118 km		
10	Is the facility located in a non-attainment area? If so describe below	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	N/A		
11	Describe any special modeling requirements, such as streamline permit requirements.		
	N/A		

16-C: Modeling History of Facility

1	Describe the modeling history of the facility, including the air permit numbers, the pollutants modeled, the National Ambient Air Quality Standards (NAAQS), New Mexico AAQS (NMAAQs), and PSD increments modeled. (Do not include modeling waivers).			
	Pollutant	Latest permit and modification number that modeled the pollutant facility-wide.	Date of Permit	Comments
	CO	0067-M7	4/15/2015	
	NO ₂	0067-M7	4/15/2015	
	SO ₂	0067-M7	4/15/2015	
	H ₂ S	0067-M7	4/15/2015	
	PM _{2.5}	0067-M5	10/4/2007	
	PM ₁₀	0067-M5	10/4/2007	
	TSP	0067-M5	10/4/2007	
	Lead	N/A		
	Ozone (PSD only)	N/A		
NM Toxic Air Pollutants (20.2.72.402 NMAC)	N/A			

16-D: Modeling performed for this application

1	For each pollutant, indicate the modeling performed and submitted with this application. Choose the most complicated modeling applicable for that pollutant, i.e., culpability analysis assumes ROI and cumulative analysis were also performed.
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Pollutant	ROI	Cumulative analysis	Culpability analysis	Waiver approved	Pollutant not emitted or not changed.
CO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SO ₂	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H ₂ S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PM _{2.5}	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PM ₁₀	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TSP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ozone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State air toxic(s) (20.2.72.402 NMAC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

16-E: New Mexico toxic air pollutants modeling – N/A

1	List any New Mexico toxic air pollutants (NMTAPs) from Tables A and B in 20.2.72.502 NMAC that are modeled for this application.					
2	List any NMTAPs that are emitted but not modeled because stack height correction factor. Add additional rows to the table below, if required.					
	Pollutant	Emission Rate (pounds/hour)	Emission Rate Screening Level (pounds/hour)	Stack Height (meters)	Correction Factor	Emission Rate/Correction Factor

16-F: Modeling options

1	Was the latest version of AERMOD used with regulatory default options? If not explain below.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	N/A		

16-G: Surrounding source modeling

1	Date of surrounding source retrieval	July 12, 2019
2	If the surrounding source inventory provided by the Air Quality Bureau was believed to be inaccurate, describe how the sources modeled differ from the inventory provided. If changes to the surrounding source inventory were made, use the table below to describe them. Add rows as needed.	
	AQB Source ID	Description of Corrections
	N/A – no modifications were made to the surrounding sources.	

16-H: Building and structure downwash			
1	How many buildings are present at the facility?	27 buildings are present at this facility. Details included below.	
2	How many above ground storage tanks are present at the facility?	8 tanks are present at this facility. Details included below.	
3	Was building downwash modeled for all buildings and tanks? If not explain why below.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	N/A		
4	Building comments	See tables below.	

Rectangular Buildings								
ID	Description	X Coordinate	Y Coordinate	Elevation	Height	X Length	Y Length	Angle
		m	m	m	m	m	m	degree
1	Covered Parking	674017.90	3589124.60	1039.02	4.57	12.30	30.80	0.00
3	Lab/Offices	674103.60	3589132.90	1038.56	4.57	8.80	13.50	0.00
4	Cooling Towers	674175.30	3589134.10	1038.44	10.67	22.56	13.30	0.20
5	Amine Fans	674132.00	3589082.10	1037.95	6.10	9.10	9.80	0.00
6	Amine Warehouse	674173.50	3589079.70	1037.62	7.62	39.30	11.30	0.10
7	Jet Building/Warehouse	674290.00	3589049.30	1036.72	10.67	16.10	17.30	0.00
9	C-19 ENG	674332.20	3589000.80	1035.80	7.62	8.50	10.00	0.00
11	C13A-C16 ENG	674258.80	3589001.70	1036.53	7.62	48.00	9.50	0.10
12	C1-C13 ENG	674125.80	3589003.90	1036.85	10.67	130.70	9.80	0.90
13	JW FANS 4-13	674147.50	3588983.20	1036.64	6.10	102.80	5.30	0.70
15	C20-20-22 ENG	674103.60	3588976.60	1036.57	9.14	9.80	23.50	0.00
16	Comp Storage	674109.80	3589007.10	1036.90	9.14	6.70	6.80	0.00
17	After Condenser Fans	674079.10	3588973.70	1036.54	4.57	7.50	20.80	0.00
18	Gen/Utility Storage	674071.60	3589000.90	1037.01	10.67	15.80	14.00	0.40
19	Fire pump building	674038.20	3589018.40	1037.33	4.57	7.50	7.00	0.80
20	Aux Building	674055.90	3589027.30	1037.39	6.10	8.60	21.80	-0.70
21	Softener Building	674047.60	3589052.20	1037.78	9.14	6.10	12.50	0.00
25	Sullair Instrument Air Building	674081.40	3589075.00	1037.91	4.57	13.41	6.71	90.00
24	MCC 101	674088.50	3589075.00	1037.90	4.57	10.67	3.05	90.00
26	Mechanic Shop	674011.80	3589028.50	1037.68	6.10	9.50	17.00	0.00
27	I&E Storage Warehouse	674011.90	3589045.90	1037.99	6.10	9.40	37.30	0.00
28	Safety Meeting Room	674025.50	3589102.90	1038.73	4.57	11.70	12.50	0.50
29	Weld Shop	674006.30	3589103.20	1038.78	7.62	18.90	12.80	0.30
30	MCC 100	674117.10	3588929.80	1035.86	4.57	10.67	3.05	0.00

Polygon Buildings					
ID	Description	X Coordinate	Y Coordinate	Elevation	Height
		m	m	m	m
2	Office	674077.50	3589129.30	1038.73	4.57
8	OPS Control Room	674301.40	3589080.50	1036.92	4.57
10	C-17-18 ENG	674344.90	3589001.00	1035.67	7.62

Tanks							
ID	Description	X Coordinate	Y Coordinate	Elevation	Height	Radius	Corners
		m	m	m	m	m	
14	Oil Storage Tank	674149.20	3588963.30	1036.25	4.57	3.66	24.00
22	Brine Tank	674051.20	3589068.40	1038.08	4.57	1.90	24.00
23A	Water Storage Tank	674038.50	3589028.30	1037.48	9.14	2.29	24.00
23B	Water Storage Tank	674047.50	3589039.10	1037.55	9.14	2.29	24.00
23C	Water Storage Tank	674038.60	3589039.30	1037.64	9.14	2.29	24.00
23D	Water Storage Tank	674038.40	3589033.60	1037.56	9.14	2.29	24.00
23E	Water Storage Tank	674047.60	3589033.30	1037.48	9.14	2.29	24.00
23F	Water Storage Tank	674047.70	3589028.00	1037.42	9.14	2.29	24.00

16-I: Receptors and modeled property boundary

1	<p>“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 a 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. A Restricted Area is required in order to exclude receptors from the facility property. If the facility does not have a Restricted Area, then receptors shall be placed within the property boundaries of the facility.</p> <p>Describe the fence or other physical barrier at the facility that defines the restricted area.</p> <p>The restricted area at this facility is defined by a fence.</p>		
2	Receptors must be placed along publicly accessible roads in the restricted area. Are there public roads passing through the restricted area?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3	Are restricted area boundary coordinates included in the modeling files?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

4	Describe the receptor grids and their spacing. The table below may be used, adding rows as needed.					
	Grid Type	Shape	Spacing	Start distance from restricted area or center of facility	End distance from restricted area or center of facility	Comments
	Boundary	Polygon	25 m	0 m	0 m	N/A
	Fine	Square	50 m	0 m	500 m	N/A
	Medium	Square	100 m	500 m	1,500 m	N/A
	Coarse	Square	500 m	1,500	5,000 m	N/A
	Very Coarse	Square	1,000 m	5,000 m	50,000 m	N/A
5	Describe receptor spacing along the fence line.					
	A 25 m grid spacing was used for the facility boundary receptors.					
6	Describe the PSD Class I area receptors.					
	N/A					

16-J: Sensitive areas

1	Are there schools or hospitals or other sensitive areas near the facility? If so describe below. This information is optional (and purposely undefined) but may help determine issues related to public notice.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	N/A		
3	The modeling review process may need to be accelerated if there is a public hearing. Are there likely to be public comments opposing the permit application?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

16-K: Modeling Scenarios

1	Identify, define, and describe all modeling scenarios. Examples of modeling scenarios include using different production rates, times of day, times of year, simultaneous or alternate operation of old and new equipment during transition periods, etc. Alternative operating scenarios should correspond to all parts of the Universal Application and should be fully described in Section 15 of the Universal Application (UA3).
	The flaring scenarios and source groups which were modeled are described in Table A below. If F-01 is operating at 100%, F-02 will be non-operational and vice versa unless flare F-02 is only combusting residue gas. Flares F-01 and F-02 will not be operating at full capacities simultaneously, when flare F-02 is combusting inlet gas. The worst-case scenario for the flares operating simultaneously are when F-01 and F-02 (Inlet gas) are running at 50% of their maximum capacities. The highest concentration from each model scenario was used to compare against significance and all applicable NAAQS and NMAAQs. Due to the fact that the different scenarios have different significant receptors, all receptors were kept in the CIA models to ensure that the most conservative modeling was completed. The facility modeled SO ₂ to the 24-hour and 3-hour PSD Class II increment standard in 2015 for permit 0067-M7. The facility emissions for SO ₂ that were previously modeled were (due to SSM from the flares) 9,240.6 lb/hr of SO ₂ . The highest modeling scenario for this application is 5,869.93 lb/hr

of SO₂. Since the SO₂ hourly emissions are less than what was previously modeled for PSD increment, modeling is not required to show compliance with the standard. Emissions for PM₁₀ and PM_{2.5} are not changing with this application (nor are the stacks for PM pollutants). PM emissions are not required to be modeled.

Which scenario produces the highest concentrations? Why?
 The scenario with the acid gas flare (F-01) and inlet flare (F-02) both at 50% usually produced the highest concentration.

Table A: Source Groups	
ID	Description
F1_FULL	Acid gas flare at full capacity (F1_100) + plant flare at full capacity with residue gas (F2_RES)
F2_FULL	Plant flare at full capacity with inlet gas (F2_100)
FL_HALF	Plant flare at half capacity with inlet gas (F2_50) + acid gas flare at half capacity (F1_50)

Note: All source groups include H₂S emissions from compressor blowdowns, fugitives, VRU downtime and other SSM sources

3 Were emission factor sets used to limit emission rates or hours of operation? (This question pertains to the "SEASON", "MONTH", "HROFDY" and related factor sets, not to the factors used for calculating the maximum emission rate.) Yes No

4 If so, describe factors for each group of sources. List the sources in each group before the factor table for that group. (Modify or duplicate table as necessary. It's ok to put the table below section 16-K if it makes formatting easier.) Sources: N/A

Hour of Day	Factor	Hour of Day	Factor								
1		13									
2		14									
3		15									
4		16									
5		17									
6		18									
7		19									
8		20									
9		21									
10		22									
11		23									
12		24									

If hourly, variable emission rates were used that were not described above, describe them below.
 N/A

6 Were different emission rates used for short-term and annual modeling? If so describe below. Yes No

N/A

16-L: NO₂ Modeling			
1	Which types of NO ₂ modeling were used? Check all that apply.		
	<input checked="" type="checkbox"/>	ARM2	
	<input type="checkbox"/>	100% NO _x to NO ₂ conversion	
	<input type="checkbox"/>	PVMRM	
	<input type="checkbox"/>	OLM	
	<input type="checkbox"/>	Other:	
2	Describe the NO ₂ modeling.		
	Regulatory defaults were assumed for all models.		
3	Were default NO ₂ /NO _x ratios (0.5 minimum, 0.9 maximum or equilibrium) used? If not describe and justify the ratios used below.		Yes <input checked="" type="checkbox"/>
	N/A		No <input type="checkbox"/>
4	Describe the design value used for each averaging period modeled.		
	1-hour: High eighth high Annual: Other (Describe): N/A		

16-M: Particulate Matter Modeling – N/A			
1	Select the pollutants for which plume depletion modeling was used.		
	<input type="checkbox"/>	PM2.5	
	<input type="checkbox"/>	PM10	
	<input type="checkbox"/>	None	
2	Describe the particle size distributions used. Include the source of information.		
3	Does the facility emit at least 40 tons per year of NO _x or at least 40 tons per year of SO ₂ ? Sources that emit at least 40 tons per year of NO _x or at least 40 tons per year of SO ₂ are considered to emit significant amounts of precursors and must account for secondary formation of PM2.5.		Yes <input type="checkbox"/>
4	Was secondary PM modeled for PM2.5?		No <input type="checkbox"/>

5	If MERPs were used to account for secondary PM2.5 fill out the information below. If another method was used describe below.			
	NO _x (ton/yr)	SO ₂ (ton/yr)	[PM2.5] _{annual}	[PM2.5] _{24-hour}

16-N: Setback Distances – N/A	
1	Portable sources or sources that need flexibility in their site configuration requires that setback distances be determined between the emission sources and the restricted area boundary (e.g. fence line) for both the initial location and future locations. Describe the setback distances for the initial location.
2	Describe the requested, modeled, setback distances for future locations, if this permit is for a portable stationary source. Include a haul road in the relocation modeling.

16-O: PSD Increment and Source IDs					
1	The unit numbers in the Tables 2-A, 2-B, 2-C, 2-E, 2-F, and 2-I should match the ones in the modeling files. Do these match? If not, provide a cross-reference table between unit numbers if they do not match below.			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Unit Number in UA-2		Unit Number in Modeling Files		
	F-01		F1_100 (SSM Emissions from Acid Gas Flare – Full Capacity)		
	F-01		F1_50 (SSM Emissions from Acid Gas Flare – Half Capacity)		
	F-02		F2_100 (SSM Emissions from Plant Flare – Full Capacity)		
	F-02		F2_50 (SSM Emissions form Plant Flare – Half Capacity)		
F-02		F2_RES (SSM Emissions from Residue Gas at Plant Flare – Full Capacity Residue Gas)			
2	The emission rates in the Tables 2-E and 2-F should match the ones in the modeling files. Do these match? If not, explain why below.			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	N/A				
3	Have the minor NSR exempt sources or Title V Insignificant Activities" (Table 2-B) sources been modeled?			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4	Which units consume increment for which pollutants? PSD Increment modeling was not required, so this section has been intentionally left blank.				
	Unit ID	NO ₂	SO ₂	PM10	PM2.5
5	PSD increment description for sources. (for unusual cases, i.e., baseline unit expanded emissions after baseline date).				

6	Are all the actual installation dates included in Table 2A of the application form, as required? This is necessary to verify the accuracy of PSD increment modeling. If not please explain how increment consumption status is determined for the missing installation dates below.	Yes <input type="checkbox"/>	No <input type="checkbox"/>

16-P: Flare Modeling

1	For each flare or flaring scenario, complete the following			
	Flare ID (and scenario)	Average Molecular Weight (g/mol)	Gross Heat Release (cal/s)	Effective Flare Diameter (m)
	F1_100	19.15	153,714,582	11.0
	F1_50	18.64	126,438,751	10.0
	F2_100	22.27	285,822,951	14.9
	F2_50	22.27	142,552,522	10.5
	F2_RES	17.25	242,434,247	13.9

Table A: Source Groups	
ID	Description
F1_FULL	Acid gas flare at full capacity (F1_100) + plant flare at full capacity with residue gas (F2_RES)
F2_FULL	Plant flare at full capacity with inlet gas (F2_100)
FL_HALF	Plant flare at half capacity with inlet gas (F2_50) + acid gas flare at half capacity (F1_50)

Note: All source groups include H₂S emissions from compressor blowdowns, fugitives, VRU downtime and other SSM sources

16-Q: Volume and Related Sources – N/A

1	Were the dimensions of volume sources different from standard dimensions in the Air Quality Bureau (AQB) Modeling Guidelines?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	If not please explain how increment consumption status is determined for the missing installation dates below.		
2	Describe the determination of sigma-Y and sigma-Z for fugitive sources.		

3	Describe how the volume sources are related to unit numbers. Or say they are the same.
4	Describe any open pits.
5	Describe emission units included in each open pit.

16-R: Background Concentrations				
1	Were NMED provided background concentrations used? Identify the background station used below. If non-NMED provided background concentrations were used describe the data that was used.		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	CO: N/A			
	NO ₂ : Hobbs-Jefferson (350250008)			
	PM2.5: N/A			
	PM10: N/A			
	SO ₂ : Amarillo (483751025)			
Other:				
	Comments:	N/A		
2	Were background concentrations refined to monthly or hourly values? If so describe below.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	N/A			

16-S: Meteorological Data				
1	Was NMED provided meteorological data used? If so select the station used.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2	If NMED provided meteorological data was not used describe the data set(s) used below. Discuss how missing data were handled, how stability class was determined, and how the data were processed.			
	This modeling utilized a meteorological data set for 2015 using Automated Weather Observation System (AWOS) data collected at the Artesia Municipal Airport (KATS). Artesia Municipal Airport is the location for which the NMED-approved Empire Abo (1993 – 1994) meteorological data set is derived. The data was processed in accordance with EPA guidelines and used AERSURFACE and AERMET. This data set is representative of the area surrounding the facility in southeast New Mexico			

16-T: Terrain				
1	Was complex terrain used in the modeling? If not, describe why below.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

	N/A
2	What was the source of the terrain data?
	N/A

16-U: Modeling Files

1	Describe the modeling files: CIA and SIL models included as described below.		
	File name (or folder and file name)	Pollutant(s)	Purpose (ROI/SIA, cumulative, culpability analysis, other)
	NO2 SIL	NO ₂	ROI/SIL
	NO2 CIA	NO ₂	Cumulative
	SO2 SIL	SO ₂	ROI/SIL
	SO2 CIA	SO ₂	Cumulative
	CO SIL	CO	ROI/SIL
	H2S SIL	H ₂ S	ROI/SIL
	H2S CIA	H ₂ S	Cumulative

16-V: PSD New or Major Modification Applications – N/A

1	A new PSD major source or a major modification to an existing PSD major source requires additional analysis. Was preconstruction monitoring done (see 20.2.74.306 NMAC and PSD Preapplication Guidance on the AQB website)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2	If not, did AQB approve an exemption from preconstruction monitoring?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
3	Describe how preconstruction monitoring has been addressed or attach the approved preconstruction monitoring or monitoring exemption.		
4	Describe the additional impacts analysis required at 20.2.74.304 NMAC.		
5	If required, have ozone and secondary PM2.5 ambient impacts analyses been completed? If so describe below.	Yes <input type="checkbox"/>	No <input type="checkbox"/>

16-W: Modeling Results

1	If ambient standards are exceeded because of surrounding sources, a culpability analysis is required for the source to show that the contribution from this source is less than the significance levels for the specific pollutant. Was culpability analysis performed? If so describe below.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2	Identify the maximum concentrations from the modeling analysis. Rows may be modified, added and removed from the table below as necessary.		

Pollutant, Time Period and Standard	Modeled Facility Concentration (µg/m3)	Modeled Concentration with Surrounding Sources (µg/m3)	Background Concentration (µg/m3)	Cumulative Concentration (µg/m3)	Value of Standard (µg/m3)	Percent of Standard	Location		
							UTM E (m)	UTM N (m)	Elevation (ft)
8-hr CO Significance	16.64			16.64	500	3.3%	675710	3589250	1024
1-hr CO Significance	35.42			35.42	2000	1.8%	672710	3591550	1045
1-hr H ₂ S NMAAQs	30.08	30.08		30.08	139.3	21.6%	674170	3588921	1035
1-hr NO ₂ NAAQS	7.20		64.2	71.40	188.03	38.0%	675610	3589250	1025
1-hr SO ₂ NAAQS	119.77		68.3	188.07	196.4	95.8%	675410	3589550	1026

16-X: Summary/conclusions

1	A statement that modeling requirements have been satisfied and that the permit can be issued.
	Targa has demonstrated that facility emissions will neither cause or contribute to an exceedance of the NAAQS, NMAAQs or PSD Increment Standards. The permit can be issued.

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-1 thru 13, C-15	Tested in accordance with EPA test methods for NOx and CO as required in NSR Permit 0067-M7.	C13, C15 – Down NN C1, C2, C3, – 11/26/19 C4, C5, C6, C7 – 11/27/19
C-13A	Tested in accordance with EPA test methods for NOx and CO as required in NSR Permit 0067-M7.	12/5/18 3/25/19 6/10/19 9/26/19 12/27/19
C-17	Tested in accordance with EPA test methods for NOx and CO as required in NSR Permit 0067-M7.	12/4/18 3/28/19 6/10/19 9/26/19 12/27/19
C-18	Tested in accordance with EPA test methods for NOx and CO as required in NSR Permit 0067-M7.	12/3/18 3/25/19 6/10/19 9/26/19 12/27/19
C-19	Tested in accordance with EPA test methods for NOx and CO as required in NSR Permit 0067-M7.	12/4/18 3/25/19 6/10/19 9/26/19 12/27/19
C-20	Tested in accordance with EPA test methods for NOx and CO as required in NSR Permit 0067-M7.	12/5/18 3/28/19 06/19 – down NN 9/26/19 12/27/19
C-21	Tested in accordance with EPA test methods for NOx and CO as required in NSR Permit 0067-M7.	12/13/18 3/25/19 6/11/19 9/26/19
C-22	Tested in accordance with EPA test methods for NOx and CO as required in NSR Permit 0067-M7.	12/13/18 3/25/19 6/11/19 09/19 – down NN 12/27/19

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 E 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 6th day of May, 2020, upon my oath or affirmation, before a notary of the State of

TEXAS

[Signature]
*Signature

5/6/20
Date

Jimmy E Oxford
Printed Name

VP operations
Title

Scribed and sworn before me on this 6th day of May, 2020.

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

1st day of October, 2020.

[Signature]
Notary's Signature

5/6/20
Date

Russell Park
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.

