

**NMED AIR QUALITY BUREAU
NSR SIGNIFICANT REVISION**

**DCP OPERATING COMPANY, LP
Eunice Ranch Gas Plant**



Prepared By:

Jake Zenker – Senior Consultant

TRINITY CONSULTANTS

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(505) 266-6611

December 2020

Project 203201.0149





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Received

DEC 09 2020

Air Quality Bureau

December 7, 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 NSR Significant Revision
DCP Operating Company, LP – Eunice Ranch Gas Plant (NSR No. 0044)*

Dear Mr. Schooley:

20.2.72.219.D(1)(a) NMAC to apply for a significant revision to the existing NSR minor source permit for the Eunice Ranch Gas Plant. The facility is located approximately 7.0 miles northwest of Eunice, NM in Lea County and is currently operating under NSR Permit No. 0044. The facility is currently major with respect to Title V and is minor with respect to PSD.

This application is being submitted to authorize emissions associated with the truck loading (Unit LOAD-STAB) of liquids from stabilized condensate tanks (Units 12A and 12B) and associated unpaved haul road activity (Unit HAUL). Emissions associated with haul roads are calculated assuming maximum operation that will be bound a federally enforceable condition for condensate loadout. As the potential to emit (PTE) of the haul road will be less than 0.5 tpy, they will be exempt pursuant to 20.2.72.202.B(5) NMAC. It should also be noted that since Eunice has never undergone a major PSD revision, units may be claimed as exempt under Part 72 of NMAC.

Also, as described in TV Permit Condition A203.D truck loading (Unit LOAD) from unstabilized condensate tanks (Units TK- 3A, TK-86, and TK-87) is currently only authorized during emergency events when liquids may not be transported off-site via pipeline. This application will also seek to revise this condition to allow for condensate loading under normal operating conditions.

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 HSHong@dcpmidstream.com if you have any questions regarding this application. Alternatively, you may contact Jake Zenker, Senior Consultant with Trinity Consultants at jzenker@trinityconsultants.com.

TRINITY CONSULTANTS

Jake Zenker
Consultant

Cc:
Sam Hong, DCP Midstream

HEADQUARTERS

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

<p>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 style="text-align: center; font-size: 1.2em; color: blue;">Received</p> <p style="text-align: center; color: red;">DEC 09 2020</p> <p style="text-align: center; color: blue;">Air Quality Bureau</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.: [redacted] in the amount of [redacted]

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.): 595	Updating Permit/NOI #: 0044M10R6
1	Facility Name: Eunice Ranch Gas Plant	Plant primary SIC Code (4 digits): 1321	
		Plant NAIC code (6 digits):211130	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): From Eunice, NM, take NM-176 W/ Ave O for 6.4 miles. Continue straight on NM-8 N for 2.5 miles, then turn left onto NM-175 W and continue for 1.5 miles and then turn left onto Gulf Rd. Facility is on the left.		
2	Plant Operator Company Name: DCP Operating Company, LP	Phone/Fax: (432) 620-5463/ 432-620-4162	
a	Plant Operator Address: 10 Desta Drive, Suite 500 West, Midland, TX 79705		

b	Plant Operator's New Mexico Corporate ID or Tax ID: 036785		
3	Plant Owner(s) name(s): DCP Operating Company, LP	Phone/Fax: (432) 620-5463/ 432-620-4162	
a	Plant Owner(s) Mailing Address(s): 10 Desta Drive, Suite 500 West, Midland, TX 79705		
4	Bill To (Company): DCP Operating Company, LP	Phone/Fax: (432) 620-5463/ N/A	
a	Mailing Address: 10 Desta Drive, Suite 500 West, Midland, TX 79705	E-mail: HSHong@dcpmidstream.com	
5	<input type="checkbox"/> Preparer: <input checked="" type="checkbox"/> Consultant:	Phone/Fax: (505) 266-6611/ N/A	
a	Mailing Address: 9400 Holly Blvd NE, Building 3, Suite 300 Albuquerque, NM 87122	E-mail: aerenstein@trinityconsultants.com	
6	Plant Operator Contact: Sam Hong	Phone/Fax: (432) 620-5463/ 432-620-4162	
a	Address: 10 Desta Drive, Suite 500 West, Midland, TX 79705	E-mail: HSHong@dcpmidstream.com	
7	Air Permit Contact: Sam Hong	Title: Environmental Engineer	
a	E-mail: HSHong@dcpmidstream.com	Phone/Fax: (432) 620-5463/ 432-620-4162	
b	Mailing Address: 10 Desta Drive, Suite 500 West, Midland, TX 79705		
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? N/A	
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: P-086-R3
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: 0039-M8-R3
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: 5.0 MMscf (actual)	Daily: 120 MMscf (approximate)	Annually: 43,800 MMscf (approximate)
b	Proposed	Hourly: *	Daily: *	Annually: *
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: 5.0 MMscf (actual)	Daily: 120 MMscf (approximate)	Annually: 43,800 MMscf (approximate)
b	Proposed	Hourly: *	Daily: *	Annually: *

Section 1-D: Facility Location Information

1	Section: 5	Range: 36E	Township: 21 S	County: Lea	Elevation (ft): 3,710
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): 661,050 m E			UTM N (in meters, to nearest 10 meters): 3,598,110 m N	
b	AND Latitude (deg., min., sec.): 32° 30' 31''			Longitude (deg., min., sec.): -103° 17' 8''	
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): Head West on Hwy. 8 from Eunice for approximately 7 miles. At Hwy. 8/Hwy. 176 junction continue North on Hwy. 8 for approximately 2 miles to SR- 175. Turn left (west) and continue 1.3 miles to the main plant office on the north side of the road.				
5	The facility is 7 miles northwest of Eunice, NM 88240.				
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, NM; Counties: Lea				
8	20.2.72 NMAC applications only: Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/aqb/modeling/classIareas.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: States: Texas - 14.6 miles.				
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): 108 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: 805 m				
12	Method(s) used to delineate the Restricted Area: Continuous Fencing “ Restricted Area ” is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.				
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? <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?				

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

1	Facility maximum operating ($\frac{\text{hours}}{\text{day}}$): 24	($\frac{\text{days}}{\text{week}}$): 7	($\frac{\text{weeks}}{\text{year}}$): 52	($\frac{\text{hours}}{\text{year}}$): 8760
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start: N/A		<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: N/A – No construction is proposed			
4	Month and year of anticipated construction completion: N/A – No construction is proposed			
5	Month and year of anticipated startup of new or modified facility: N/A – No construction is proposed			
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, specify: N/A		
a	If yes, NOV date or description of issue: N/A	NOV Tracking No: N/A	
b	Is this application in response to any issue listed in 1-F, 1 or 1a above? <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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Major (<input type="checkbox"/> ≥ 10 tpy of any single HAP OR <input type="checkbox"/> ≥ 25 tpy of any combination of HAPS) OR <input checked="" type="checkbox"/> Minor (<input type="checkbox"/> < 10 tpy of any single HAP AND <input checked="" type="checkbox"/> < 25 tpy of any combination of HAPS)		
5	Is any unit exempt under 20.2.72.202.B.3 NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
a	If yes, include the name of company providing commercial electric power to the facility: _____ N/A _____ 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 (20.2.70.300.D.2 NMAC): Jackie W. Strickland		Phone: (432) 620-4066
a	R.O. Title: General Manager, Operations	R.O. e-mail: JWStrickland@dcpmidstream.com	
b	R. O. Address: 10 Desta Drive, Suite 500 West, Midland, TX 79705		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): Bryan L. Graham		Phone: (432) 620-4016
a	A. R.O. Title: General Manager, Operations	A. R.O. e-mail: BLGraham@dcpmidstream.com	
b	A. R. O. Address: 10 Desta Drive, Suite 500 West, Midland, TX 79705		
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): None		
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.): None		
a	Address of Parent Company: N/A		
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: None		
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: 20.6 kilometers from Texas.		

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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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.

DCP Operating Company, LP (DCP) is submitting this application for a significant revision pursuant to 20.2.72.219.D(1)(a) NMAC to apply for a significant revision to the existing NSR minor source permit for the Eunice Gas Plant (Eunice). Eunice is a natural gas processing plant and is 7 miles northwest of Eunice, NM in Lea County. The facility removes hydrogen sulfide, water, and carbon dioxide from field natural gas and separates natural gas liquids and condensate from the field natural gas. The facility is currently permitted under NSR Permit No. 0044M10R6 and Title V Permit No. P086R3.

This application is being submitted to authorize emissions associated with the truck loading (Unit LOAD-STAB) of liquids from stabilized condensate tanks (Units 12A and 12B) and associated unpaved haul road activity (Unit HAUL). Emissions associated with haul roads are calculated assuming maximum operation that will be bound a federally enforceable condition for condensate loadout. As the potential to emit (PTE) of the haul road will be less than 0.5 tpy, they will be exempt pursuant to 20.2.72.202.B(5) NMAC. It should also be noted that since Eunice has never undergone a major PSD revision, units may be claimed as exempt under Part 72 of NMAC.

Also, as described in TV Permit Condition A203.D truck loading (Unit LOAD) from unstabilized condensate tanks (Units TK-3A, TK-86, and TK-87) is currently only authorized during emergency events when liquids may not be transported off-site via pipeline. This application will also seek to revise this condition to allow for condensate loading under normal operating conditions.

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 (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/ Reconstruction ²	Emissions vented to Stack #				
14	4SRB RICE	Waukesha	F3521GU	388044	321 hp	321 hp	1974	14	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	4SRB	N/A
							1974	14				
15	4SRB RICE	Waukesha	F3521GU	38957	321 hp	321 hp	Pre-1974	15	2020- 0253	<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	4SRB	N/A
							3/13/2015	15				
16	4SRB RICE	Superior	8G825	20034	800 hp	800 hp	6/15/1970	16	2020- 0253	<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	4SRB	N/A
							7/19/2017	16				
17A	Turbine	Solar	Centaur T-4002	S3030065	3229 hp*	3229 hp*	Appr. 1974	N/A	2010-0201	<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
							Appr. 1974	17A				
18B	Turbine	Solar	Centaur T-4502	S3020190	3373 hp*	3373 hp*	1986	N/A	2010-0201	<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
							1986	18B				
19A	Turbine	Solar	Centaur T-4502	S2020189	3373 hp*	3373 hp*	1988	N/A	2010-0201	<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
							1988	19A				
20	4SRB RICE	Superior	8G825	18376	800 hp	800 hp	1977	20	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	4SRB	N/A
							1977	20				
21	4SRB RICE	Superior	8G825	279149	800 hp	800 hp	1979	21	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	4SRB	N/A
							1979	21				
22	4SRB RICE	Superior	8G825	283909	800 hp	800 hp	1981	22	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	4SRB	N/A
							1981	22				
25A	Turbine	Solar	Centaur T-4002	D-CC0058	3229 hp*	3229 hp*	1996	N/A	2010-0201	<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
							1996	25A				
26A	Turbine	Solar	Centaur T-4002	CC822297	3229 hp*	3229 hp*	1996	N/A	2010-0201	<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
							1996	26A				
C-1	4SLB RICE	Catepillar	G3516 TALE	4EK03691	1085 hp	1085 hp	2001	C-1	2020- 0254	<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	4SLB	N/A
							1/31/2014	C-1				
C-2	4SLB RICE	Catepillar	G3516 TALE	4EK04601	1085 hp	1085 hp	2001	C-2	2020- 0254	<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	4SLB	N/A
							1/31/2014	C-2				
C-3	4SLB RICE	Catepillar	G3516SITA	4EK03255	1085 hp	1085 hp	2001	C-3	2020- 0254	<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	4SLB	N/A
							2001	C-3				
27	Regeneration Gas Heater	Petrotherm	N/A	H-70953	5.7 MMBtu/hr	5.7 MMBtu/hr	1974	N/A	3019-0003	<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
							1974	27				
28/28A	Glycol Regenerator Still Vent / Glycol Reboiler Heater	Natco	N/A	N/A	4.0 gal/min 0.35 MMBtu/hr	4.0 gal/min 0.35 MMBtu/hr	1974	N/A	3100-0227	<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
							1974	28/28A				
29A	Boiler	Donlee	N/A	00-21051	2.7 MMBtu/hr	2.7 MMBtu/hr	2001	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
							2001	29A				

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 #					
31	SRU Incinerator	N/A	N/A	N/A	24.5 MMBtu/hr	24.5 MMBtu/hr	1974	31	3060-9903	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1974	31					
32	Waste Heat Recovery Boiler	Locveco	N/A	C-74-030	24.75 MMBtu/hr	24.75 MMBtu/hr	1986	N/A	3060-9904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1986	32					
33	Waste Heat Recovery Boiler	Locveco	N/A	C-74-029	24.75 MMBtu/hr	24.75 MMBtu/hr	1986	N/A	3060-9904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1986	33					
34	Waste Heat Recovery Boiler	Locveco	N/A	C-74-028	24.75 MMBtu/hr	24.75 MMBtu/hr	1986	N/A	3060-9904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1986	34					
111	Acid Gas Flare	N/A	N/A	N/A	1.98 MMBtu/hr	1.98 MMBtu/hr	Pre-1972	N/A	3060-0906	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre-1972	111					
112A	ESD Flare	N/A	N/A	N/A	1.98 MMBtu/hr	1.98 MMBtu/hr	Pre-1972	N/A	3060-0904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre-1972	112A					
113	Acid Gas Flare #2	N/A	N/A	N/A	1.98 MMBtu/hr	1.98 MMBtu/hr	1975	N/A	3060-0906	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1975	113					
114A	Amanda Booster Flare	N/A	N/A	N/A	1.98 MMBtu/hr	1.98 MMBtu/hr	1974	N/A	3060-0904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1974	114A					
TK-3A	Condensate Offload Tank	Permian Tank	N/A	35128	500 bbl	500 bbl	2003	N/A	4040-0321	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							2003	TK-3A					
TK-86	Condensate Offload Tank	Permian Tank	N/A	27853	500 bbl	500 bbl	1996	N/A	4040-0321	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1996	TK-86					
TK-87	Condensate Offload Tank	Permian Tank	N/A	27854	500 bbl	500 bbl	1996	N/A	4040-0321	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1996	TK-87					
Amine-01	Amine Unit Contactor	Ucarasol	N/A	4387	120 MMscf/day	120 MMscf/day	Pre-1974	31	3100-0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre-1974	N/A					
Amine-01a ⁵	Amine Unit Reboiler	Ucarasol	N/A	Reboiler: 89-798 Still: 221	582 gpm	582 gpm	Pre-1974	N/A	3100-0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							Pre-1974	N/A					
TK-25A	Heater Treater Feed Tank	Permian Tank	N/A	28442	500 bbl	500 bbl	1997	N/A	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1997	TK-25A					
TK-26A	Finished Oil Tank	Permian Tank	N/A	28443	500 bbl	500 bbl	1997	N/A	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							1997	TK-26A					
TK-12A	Stabilized Condensate Tank	Permian Tank	N/A	37536	500 bbl	500 bbl	2004	N/A	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							2004	TK-12A					
TK-12B	Stabilized Condensate Tank	Permian Tank	N/A	37535	500 bbl	500 bbl	2004	N/A	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							2004	TK-12B					
FUG	Process Piping Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
							N/A	N/A					

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 #				
CT-S	South Cooling Tower	Unknown	Unknown	N/A	2,800 Gal/min	2,800 Gal/min	Unknown	N/A	3060-0701	<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				
CT-N	North Cooling Tower	Unknown	Unknown	N/A	2,800 Gal/min	2,800 Gal/min	Unknown	N/A	3060-0701	<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				
LOAD	Unstablized Condensate Loadout	N/A	N/A	N/A	900 bbl/day	900 bbl/day	N/A	LOAD-VRU	N/A	<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				
LOAD-STAB	Stabilized Condensate Loadout	N/A	N/A	N/A	900 bbl/day	900 bbl/day	N/A	LOAD-VRU	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input checked="" 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	Startup, Shutdown and Maintenance	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<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				
Malfunction	Malfunction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<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 Amine unit reboiler uses recovered waste heat. This unit is a zero emission source.

* Capacity at ISO rated conditions. Capacity of a turbine can vary based on ambient conditions.

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	
TK-10	TEG Tank	N/A	N/A	900	20.2.72.202B.2 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-13A	Methanol Tank	N/A	N/A	600	20.2.72.202B.5 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-14	Stoddard Solvent Tank	N/A	N/A	600	20.2.72.202B.2 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-15	Antifreeze Tank	N/A	N/A	10,000	20.2.72.202B.2 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-16A	Antifreeze Tank	N/A	N/A	1,000	20.2.72.202B.2 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-17	Spent Amine Tank	Western Tank	N/A	8,820	20.2.72.202B.2 NMAC	1978	<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
			W-4536	Gallons	List Item #1.a	1978	
TK-18	Drinking Water Tank	N/A	N/A	8,820	20.2.72.202B.5 NMAC	N/A	<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	Gallons	List Item #1.a	1975	
TK-19A	Treated Water Tank	Area Tank	N/A	21,000	20.2.72.202B.5 NMAC	1984	<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
			AT-3100	Gallons	List Item #1.a	1984	
TK-20	Brine Water Tank	N/A	N/A	1,500	20.2.72.202B.5 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-22	Water Tank	N/A	N/A	595,350	20.2.72.202B.5 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-27	Produced Water Tank	Permian Tank	N/A	21,000	20.2.72.202B.2 NMAC	2004	<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
			37533	Gallons	List Item #1.a	2004	
TK-28	Produced Water Tank	Permian Tank	N/A	21,000	20.2.72.202B.2 NMAC	2004	<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
			37534	Gallons	List Item #1.a	2004	
TK-29	Jacket Water Tank	N/A	N/A	750	20.2.72.202B.2 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-33	Stoddard Solvent Tank	N/A	N/A	108	20.2.72.202B.2 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	

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		
TK-34	Lube Oil Tank	N/A	N/A	1,000	20.2.72.202B.2 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-35	Brine Water Tank	N/A	N/A	10,200	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-36	Methanol Tank	N/A	N/A	10,000	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-37	Heating Oil Tank	N/A	N/A	22,900	20.2.72.202B.2 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-38	Amine Storage Tank	N/A	N/A	21,000	20.2.72.202B.2 NMAC	1974	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	1974	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-40	Sour Water Tank	Permian Tank	N/A	4,200	20.2.72.202B.5 NMAC	2003	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			35008	Gallons	List Item #1.a	2003	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-41A	Lube Oil Tank	N/A	N/A	11,800	20.2.72.202B.2 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-60	Soft Water Tank	N/A	N/A	16,800	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-84	Lube Oil Tank	N/A	N/A	580	20.2.72.202B.2 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-85	Lube Oil Tank	N/A	N/A	580	20.2.72.202B.2 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-88a	Methanol Tank	N/A	N/A	300	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-88b	Methanol Tank	N/A	N/A	300	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-88c	Methanol Tank	N/A	N/A	300	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-88d	Methanol Tank	N/A	N/A	300	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-88e	Methanol Tank	N/A	N/A	300	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-88f	Methanol Tank	N/A	N/A	300	20.2.72.202B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #1.a	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-89	Skim Oil Tank	N/A	N/A	4,200	20.2.72.202B.2 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-91	Antifreeze Tank	N/A	N/A	750	20.2.72.202.B.2 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-92	Lube Oil Tank	N/A	N/A	750	20.2.72.202.B.2 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit
TK-93	Methanol Tank	N/A	N/A	300	20.2.72.202.B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged)	<input type="checkbox"/> To be Removed
			N/A	Gallons	List Item #5	N/A	<input type="checkbox"/> New/Additional	<input type="checkbox"/> Replacement Unit

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	
TK-94	Lube Oil Tank	N/A	N/A	750	20.2.72.202.B.2 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-95	Lube Oil Tank	N/A	N/A	750	20.2.72.202.B.2 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-96	Demulsifier Tank	N/A	N/A	250	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-97	Demulsifier Tank	N/A	N/A	250	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-98	Demulsifier Tank	N/A	N/A	100	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-101	Chemtreat Tank	N/A	N/A	500	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-102	Chemtreat Tank	N/A	N/A	400	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-103	Chemtreat Tank	N/A	N/A	400	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-104	Lube Oil Tank	N/A	N/A	1,008	20.2.72.202.B.2 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-105	Antifreeze Tank	N/A	N/A	1,008	20.2.72.202.B.2 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-106	Antifreeze Tank	N/A	N/A	504	20.2.72.202.B.2 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-3	Propane Tank	N/A	N/A	15,036	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-4	NGL Tank	N/A	N/A	75,180	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-5	NGL Tank	N/A	N/A	75,180	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-6	Raw Water Tank	N/A	N/A	426,258	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-9	Water Tank	N/A	N/A	12,600	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	
TK-GLN	Gasoline Tank	N/A	N/A	300	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #1.a	N/A	
TK-DSL	Diesel Tank	N/A	N/A	300	20.2.72.202.B.5 NMAC	N/A	<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	Gallons	List Item #5	N/A	

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	
30	Air Pre-Heater	Petrochem	Unknown	0.12	20.2.72.202.B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed
			Unknown	MMBtu/hr	List Item #1.a	N/A	<input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
115A	Heater Treater	Sivallis	9610-004	0.5	20.2.72.202.B.5 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed
			Unknown	MMBtu/hr	List Item #1.a	N/A	<input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
35	Fire Pump	Hale/Chrysler V8	Unknown	Unknown	20.2.72.202.B.4 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed
			Unknown	Unknown	List Item #1.a	N/A	<input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
36	Fire Pump	Hale/Chrysler V8	Unknown	Unknown	20.2.72.202.B.4 NMAC	N/A	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed
			Unknown	Unknown	List Item #1.a	N/A	<input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
HAUL	Unpaved and Paved Haul Road	N/A	N/A	Continuous	20.2.72.202.B.5 NMAC	N/A	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed
			N/A	N/A	List Item #1.a	N/A	<input checked="" 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
14	AFRC, Catalytic Converter	1974	NO _x , CO, VOC	14	NO _x 58%, CO 83%, VOC 83%	Eng. Est.
15	AFRC, Catalytic Converter	Pre-1974	NO _x , CO, VOC	15	NO _x 58%, CO 83%, VOC 83%	Eng. Est.
16	AFRC, Catalytic Converter	1970	NO _x , CO, VOC	16	NO _x 80%, CO 16%, VOC 80%	Eng. Est.
20	AFRC, Catalytic Converter	1977	NO _x , CO, VOC	20	NO _x 80%, CO 16%, VOC 80%	Eng. Est.
21	AFRC, Catalytic Converter	1979	NO _x , CO, VOC	21	NO _x 80%, CO 16%, VOC 80%	Eng. Est.
22	AFRC, Catalytic Converter	1981	NO _x , CO, VOC	22	NO _x 80%, CO 16%, VOC 80%	Eng. Est.
C-1	Catalytic Converter	2001	CO, VOC	C-1	CO 16%, VOC 78%	Eng. Est.
C-2	Catalytic Converter	2001	CO, VOC	C-2	CO 16%, VOC 78%	Eng. Est.
C-3	Catalytic Converter	2001	CO, VOC	C-3	CO 16%, VOC 78%	Eng. Est.
31	Sulfur Recovery Unit (SRU)	Pre-1974	H ₂ S	Amine-01	98%	Testing
111, 112A, 113, 114A	Flares (Process & Emergency)	2009	VOC, H ₂ S	Plant Processes	98%	Eng. Est.
LOAD-VRU	Vapor Recovery Unit	2009	VOC	LOAD, LOAD-STAB, TK-3A, TK-12A, TK-12B, TK-25A, TK-26A, TK-86 and TK-87	100% / 95% ²	Eng. Est.

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		TSP 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
14	9.2	40.3	6.4	27.9	0.21	0.93	0.046	0.20	0.062	0.27	0.062	0.27	0.062	0.27	-	-	-	-
15	9.2	40.3	6.4	27.9	0.21	0.93	0.046	0.20	0.062	0.27	0.062	0.27	0.062	0.27	-	-	-	-
16	26.5	115.9	3.2	13.9	0.35	1.5	0.089	0.39	0.12	0.53	0.12	0.53	0.12	0.53	-	-	-	-
17A	18.5	81.0	3.9	17.1	0.85	3.7	0.44	1.9	0.21	0.90	0.21	0.90	0.21	0.90	-	-	-	-
18B	23.0	100.9	4.5	19.5	0.19	0.84	0.43	1.9	0.20	0.88	0.20	0.88	0.20	0.88	-	-	-	-
19A	23.0	100.9	4.5	19.5	0.19	0.84	0.43	1.9	0.20	0.88	0.20	0.88	0.20	0.88	-	-	-	-
20	26.5	115.9	3.2	13.9	0.35	1.5	0.089	0.39	0.12	0.53	0.12	0.53	0.12	0.53	-	-	-	-
21	26.5	115.9	3.2	13.9	0.35	1.5	0.089	0.39	0.12	0.53	0.12	0.53	0.12	0.53	-	-	-	-
22	26.5	115.9	3.2	13.9	0.35	1.5	0.089	0.39	0.12	0.53	0.12	0.53	0.12	0.53	-	-	-	-
25A	18.5	81.0	3.9	17.1	0.85	3.7	0.44	1.94	0.21	0.90	0.21	0.90	0.21	0.90	-	-	-	-
26A	18.5	81.0	3.9	17.1	0.85	3.7	0.44	1.94	0.21	0.90	0.21	0.90	0.21	0.90	-	-	-	-
C-1	4.8	21.0	4.3	18.9	0.77	3.4	0.12	0.51	0.082	0.36	0.082	0.36	0.082	0.36	-	-	-	-
C-2	4.8	21.0	4.3	18.9	0.77	3.4	0.12	0.51	0.082	0.36	0.082	0.36	0.082	0.36	-	-	-	-
C-3	4.8	21.0	4.3	18.9	0.77	3.4	0.12	0.51	0.082	0.36	0.082	0.36	0.082	0.36	-	-	-	-
27	0.56	2.5	0.47	2.1	0.031	0.14	0.082	0.36	0.043	0.19	0.043	0.19	0.043	0.19	-	-	-	-
28/28A	0.034	0.15	0.029	0.13	0.29	1.3	0.0050	0.022	0.0026	0.011	0.0026	0.011	0.0026	0.011	-	-	-	-
29A	0.26	1.2	0.22	1.0	0.015	0.064	0.039	0.17	0.020	0.088	0.020	0.088	0.020	0.088	-	-	-	-
31	3.6	15.8	4.0	17.7	0.20	0.87	629.7	2758.1	0.18	0.80	0.18	0.80	0.18	0.80	340.0	1495.0	-	-
32	2.4	10.6	2.0	8.9	0.13	0.58	0.35	1.5	0.18	0.81	0.18	0.81	0.18	0.81	-	-	-	-
33	2.4	10.6	2.0	8.9	0.13	0.58	0.35	1.5	0.18	0.81	0.18	0.81	0.18	0.81	-	-	-	-
34	2.4	10.6	2.0	8.9	0.13	0.58	0.35	1.5	0.18	0.81	0.18	0.81	0.18	0.81	-	-	-	-
111	0.082	0.36	0.45	2.0	-	-	0.0087	0.038	-	-	-	-	-	-	8.6E-06	3.8E-05	-	-
112A	0.43	1.9	2.3	10.2	-	-	0.045	0.20	-	-	-	-	-	-	4.5E-05	2.0E-04	-	-
113	0.082	0.36	0.45	2.0	-	-	0.0087	0.038	-	-	-	-	-	-	8.6E-06	3.8E-05	-	-
114A	0.10	0.46	0.57	2.5	-	-	0.011	0.048	-	-	-	-	-	-	1.1E-05	4.8E-05	-	-
TK-3A	-	-	-	-	*	8.9	-	-	-	-	-	-	-	-	-	-	-	-
TK-86	-	-	-	-	*	8.9	-	-	-	-	-	-	-	-	-	-	-	-
TK-87	-	-	-	-	*	8.9	-	-	-	-	-	-	-	-	-	-	-	-
Amine-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amine-01A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TK-25A	-	-	-	-	*	13.0	-	-	-	-	-	-	-	-	-	-	-	-
TK-26A	-	-	-	-	*	13.0	-	-	-	-	-	-	-	-	-	-	-	-
TK-12A	-	-	-	-	*	7.1	-	-	-	-	-	-	-	-	-	-	-	-

Unit No.	NO _x		CO		VOC		SO _x		TSP 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
TK-12B	-	-	-	-	*	7.1	-	-	-	-	-	-	-	-	-	-	-	-
FUG	-	-	-	-	*	41.9	-	-	-	-	-	-	-	-	*	0.74	-	-
CT-S	-	-	-	-	-	-	-	-	0.43	1.9	0.13	0.57	0.00079	0.0034	-	-	-	-
CT-N	-	-	-	-	-	-	-	-	0.43	1.9	0.13	0.57	0.00079	0.0034	-	-	-	-
LOAD ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOAD-STAB	-	-	-	-	0.56	2.46	-	-	-	-	-	-	-	-	-	-	-	-
Totals	252.5	1106.1	73.7	322.8	8.0	144.0	634.0	2776.7	3.5	15.4	2.9	12.8	2.7	11.7	340.0	1495.7	-	-

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 Pursuant to NSR Permit No. 44M10R2 Condition A203.C, 100% of unstabilized loading emissions shall be captured by a VRU. No emissions are expected.

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		TSP 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
14	3.9	17.1	1.1	4.6	0.036	0.16	0.046	0.20	0.062	0.27	0.062	0.27	0.062	0.27	-	-	-	-
15	3.9	17.1	1.1	4.6	0.036	0.16	0.046	0.20	0.062	0.27	0.062	0.27	0.062	0.27	-	-	-	-
16	5.3	23.2	2.7	11.6	0.071	0.31	0.089	0.39	0.12	0.53	0.12	0.53	0.12	0.53	-	-	-	-
17A	18.5	81.0	3.9	17.1	0.85	3.7	0.44	1.9	0.21	0.90	0.21	0.90	0.21	0.90	-	-	-	-
18B	23.0	100.9	4.5	19.5	0.19	0.84	0.43	1.9	0.20	0.88	0.20	0.88	0.20	0.88	-	-	-	-
19A	23.0	100.9	4.5	19.5	0.19	0.84	0.43	1.9	0.20	0.88	0.20	0.88	0.20	0.88	-	-	-	-
20	5.3	23.2	2.7	11.6	0.071	0.31	0.089	0.39	0.12	0.53	0.12	0.53	0.12	0.53	-	-	-	-
21	5.3	23.2	2.7	11.6	0.071	0.31	0.089	0.39	0.12	0.53	0.12	0.53	0.12	0.53	-	-	-	-
22	5.3	23.2	2.7	11.6	0.071	0.31	0.089	0.39	0.12	0.53	0.12	0.53	0.12	0.53	-	-	-	-
25A	18.5	81.0	3.9	17.1	0.85	3.7	0.44	1.9	0.21	0.90	0.21	0.90	0.21	0.90	-	-	-	-
26A	18.5	81.0	3.9	17.1	0.85	3.7	0.44	1.9	0.21	0.90	0.21	0.90	0.21	0.90	-	-	-	-
C-1	4.8	21.0	3.6	15.8	0.17	3.4	0.12	0.51	0.082	0.36	0.082	0.36	0.082	0.36	-	-	-	-
C-2	4.8	21.0	3.6	15.8	0.17	3.4	0.12	0.51	0.082	0.36	0.082	0.36	0.082	0.36	-	-	-	-
C-3	4.8	21.0	3.6	15.8	0.17	3.4	0.12	0.51	0.082	0.36	0.082	0.36	0.082	0.36	-	-	-	-
27	0.56	2.5	0.47	2.1	0.031	0.14	0.082	0.36	0.043	0.19	0.043	0.19	0.043	0.19	-	-	-	-
28/28A ²	0.034	0.15	0.029	0.13	0.22	0.96	0.0050	0.022	0.0026	0.011	0.0026	0.011	0.0026	0.011	-	-	-	-
29A	0.26	1.2	0.22	1.0	0.015	0.064	0.039	0.17	0.020	0.088	0.020	0.088	0.020	0.088	-	-	-	-
31 ³	3.6	15.8	4.0	17.7	0.20	0.87	629.7	2758.1	0.18	0.80	0.18	0.80	0.18	0.80	6.8	29.9	-	-
32	2.4	10.6	2.0	8.9	0.13	0.58	0.35	1.5	0.18	0.81	0.18	0.81	0.18	0.81	-	-	-	-
33	2.4	10.6	2.0	8.9	0.13	0.58	0.35	1.5	0.18	0.81	0.18	0.81	0.18	0.81	-	-	-	-
34	2.4	10.6	2.0	8.9	0.13	0.58	0.35	1.5	0.18	0.81	0.18	0.81	0.18	0.81	-	-	-	-
111	0.082	0.36	0.45	2.0	-	-	0.0087	0.038	-	-	-	-	-	-	8.6E-06	3.8E-05	-	-
112A	0.43	1.9	2.3	10.2	-	-	0.45	0.20	-	-	-	-	-	-	4.5E-05	2.0E-04	-	-
113	0.082	0.36	0.45	2.0	-	-	0.0087	0.038	-	-	-	-	-	-	8.6E-06	3.8E-05	-	-
114A	0.10	0.46	0.57	2.5	-	-	0.011	0.048	-	-	-	-	-	-	1.1E-05	4.8E-05	-	-
TK-3A	-	-	-	-	*	0.45	-	-	-	-	-	-	-	-	-	-	-	-
TK-86	-	-	-	-	*	0.45	-	-	-	-	-	-	-	-	-	-	-	-
TK-87	-	-	-	-	*	0.45	-	-	-	-	-	-	-	-	-	-	-	-
Amine-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amine-01A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TK-25A	-	-	-	-	*	0.65	-	-	-	-	-	-	-	-	-	-	-	-
TK-26A	-	-	-	-	*	0.65	-	-	-	-	-	-	-	-	-	-	-	-
TK-12A	-	-	-	-	*	0.36	-	-	-	-	-	-	-	-	-	-	-	-

Unit No.	NOx		CO		VOC		SOx		TSP 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
TK-12B	-	-	-	-	*	0.36	-	-	-	-	-	-	-	-	-	-	-	-
FUG	-	-	-	-	*	41.9	-	-	-	-	-	-	-	-	*	0.74	-	-
CT-S	-	-	-	-	-	-	-	-	0.43	1.9	0.13	0.57	0.00079	0.0034	-	-	-	-
CT-N	-	-	-	-	-	-	-	-	0.43	1.9	0.13	0.57	0.00079	0.0034	-	-	-	-
LOAD ⁴	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOAD-STAB	-	-	-	-	0.56	2.46	-	-	-	-	-	-	-	-	-	-	-	-
Totals	157.33	689.09	58.88	257.91	5.23	76.05	4.66	2776.72	3.53	15.45	2.93	12.82	2.67	11.69	6.80	30.64	-	-

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 Unit 28/28A includes both the reboiler and the still vent emissions.

³ SO₂ emissions shall not exceed 629.7 pounds per hour during any three-hour period.

⁴ Pursuant to NSR Permit No. 44M10R2 Condition A203.C, 100% of unstabilized loading emissions shall be captured by a VRU. No emissions are expected.

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

"*" Denotes an hourly emission rate is not appropriate for this emission type

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		TSP 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
SSM	303.4	11.0	1,650.8	59.7	10,863.8	53.9	9,368.2	257.2	-	-	-	-	-	-	188.2	3.3	-	-
Malfunction ³	-	-	-	-	865.3	10.0	-	-	-	-	-	-	-	-	-	-	-	-
Totals	303.4	11.0	1,650.8	59.7	11,729.1	63.9	9,368.2	257.2	-	-	-	-	-	-	188.2	3.3	-	-

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

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		TSP		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)			
14	14	V	No	42	900	29.6		16	151	0.83
15	15	V	No	42	900	29.6		16	151	0.83
16	16	V	No	16	1,100	47.6		16	137	0.67
17A	17A	V	No	44	1,150	1,752.9		4	360	2.5
18B	18B	V	No	44	1,150	1752.9		4	360	2.5
19A	19A	V	No	44	1,150	1752.9		4	360	2.5
20	20	V	No	17	1,100	47.6		16	137	0.67
21	21	V	No	20	1,100	47.6		16	77	0.89
22	22	V	No	20	1,100	47.6		16	77	0.89
25A	25A	V	No	32	1,150	1,752.9		4	140	4.0
26A	26A	V	No	32	1,150	1,752.9		4	140	4.0
C-1	C-1	V	No	25	842	99.3		16	126.4	1.0
C-2	C-2	V	No	25	842	99.3		16	126.4	1.0
C-3	C-3	V	No	25	842	99.3		16	126.4	1.0
27	27	V	No	30	900	29.6		-	9.4	2.0
28	28	V	No	20	212	0.30		95	0.1	0.5
29A	29A	V	No	21	600	9.3		-	8.2	1.2
31	31	V	No	160	1,200	61.5		-	8.7	3.0
32	32	V	No	44	375	1,012		-	206.3	2.5
33	33	V	No	44	375	1,122		-	228.7	2.5
34	34	V	No	44	375	1,122		-	228.7	2.5
111	111	V	No	84	1,832	60.4		-	65.6	1.1
112A	112A	V	No	84	1,832	60.4		-	65.6	1.1
113	113	V	No	134	1,832	60.4		-	65.6	1.1
114A	114A	V	No	75	1,832	60.4		-	65.6	1.1

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

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

Stack No.	Unit No.(s)	Total HAPs		Formaldehyde <input checked="" type="checkbox"/> HAP or <input type="checkbox"/> TAP		Acetaldehyde <input checked="" type="checkbox"/> HAP or <input type="checkbox"/> TAP		Hexane <input checked="" type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		
				lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr
		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	lb/hr
14	14	0.10	0.44	0.066	0.29	0.0090	0.039	-	-											
15	15	0.10	0.44	0.066	0.29	0.0090	0.039	-	-											
16	16	0.19	0.85	0.13	0.56	0.017	0.076	-	-											
17A	17A	0.031	0.13	0.022	0.097	0.0012	0.0054	-	-											
18B	18B	0.030	0.13	0.022	0.094	0.0012	0.0053	-	-											
19A	19A	0.030	0.13	0.022	0.094	0.0012	0.0053	-	-											
20	20	0.19	0.85	0.13	0.56	0.017	0.076	-	-											
21	21	0.19	0.85	0.13	0.56	0.017	0.076	-	-											
22	22	0.19	0.85	0.13	0.56	0.017	0.076	-	-											
25A	25A	0.031	0.13	0.022	0.10	0.0012	0.005	-	-											
26A	26A	0.031	0.13	0.022	0.10	0.0012	0.005	-	-											
C-1	C-1	0.58	2.5	0.43	1.9	0.069	0.30	0.0091	0.040											
C-2	C-2	0.58	2.5	0.43	1.9	0.069	0.30	0.0091	0.040											
C-3	C-3	0.58	2.5	0.43	1.9	0.069	0.30	0.0091	0.040											
27	27	0.011	0.046	0.00042	0.0018	-	-	0.010	0.044											
28/28A	28/28A	0.041	0.18	2.6E-05	0.00011	-	-	0.0029	0.013											
29A	29A	0.0050	0.022	0.00020	0.00087	-	-	0.0048	0.021											
31	31	0.045	0.20	0.0018	0.0079	-	-	0.043	0.19											
32	32	0.046	0.20	0.0018	0.0080	-	-	0.044	0.19											
33	33	0.046	0.20	0.0018	0.0080	-	-	0.044	0.19											
34	34	0.046	0.20	0.0018	0.0080	-	-	0.044	0.19											
111	111	-	-	-	-	-	-	-	-											
112A	112A	-	-	-	-	-	-	-	-											
113	113	-	-	-	-	-	-	-	-											
114A	114A	-	-	-	-	-	-	-	-											

Stack No.	Unit No.(s)	Total HAPs		Formaldehyde <input checked="" type="checkbox"/> HAP or <input type="checkbox"/> TAP		Acetaldehyde <input checked="" type="checkbox"/> HAP or <input type="checkbox"/> TAP		Hexane <input checked="" type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
TK-3A	TK-3A	*	0.00881	-	-	-	-	*	0.00235										
TK-86	TK-86	*	0.00881	-	-	-	-	*	0.00235										
TK-87	TK-87	*	0.00881	-	-	-	-	*	0.00235										
Amine01	Amine01	-	-	-	-			-	-										
Amine01A	Amine01A	-	-	-	-			-	-										
TK-25A	TK-25A	*	0.01394	-	-	-	-	*	0.00361										
TK-26A	TK-26A	*	0.01394	-	-	-	-	*	0.00361										
TK-12A	TK-12A	*	0.00702	-	-	-	-	*	0.00187										
TK-12B	TK-12B	*	0.00702	-	-	-	-	*	0.00187										
N/A	FUG	*	2.09911	-	-	-	-	-	-										
N/A	CT-S	-	-	-	-	-	-	-	-										
N/A	CT-N	-	-	-	-	-	-	-	-										
N/A	SSM	377.811	3.26047																
Totals:		380.9	19.1	2.1	9.0	0.30	1.31	0.22	0.98										

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
14	Natural Gas	Residue Gas	1000 Btu/scf	3,210 scf/hr	28.1 MMscf/yr	5 gr S/ 100 scf	N/A
15	Natural Gas	Residue Gas	1000 Btu/scf	3,210 scf/hr	28.1 MMscf/yr	5 gr S/ 100 scf	N/A
16	Natural Gas	Residue Gas	1000 Btu/scf	6,380 scf/hr	55.9 MMscf/yr	5 gr S/ 100 scf	N/A
17A	Natural Gas	Residue Gas	1000 Btu/scf	31,000 scf/hr	272 MMscf/yr	5 gr S/ 100 scf	N/A
18B	Natural Gas	Residue Gas	1000 Btu/scf	30,300 scf/hr	265 MMscf/yr	5 gr S/ 100 scf	N/A
19A	Natural Gas	Residue Gas	1000 Btu/scf	30,300 scf/hr	265 MMscf/yr	5 gr S/ 100 scf	N/A
20	Natural Gas	Residue Gas	1000 Btu/scf	6,380 scf/hr	55.9 MMscf/yr	5 gr S/ 100 scf	N/A
21	Natural Gas	Residue Gas	1000 Btu/scf	6,380 scf/hr	55.9 MMscf/yr	5 gr S/ 100 scf	N/A
22	Natural Gas	Residue Gas	1000 Btu/scf	6,380 scf/hr	55.9 MMscf/yr	5 gr S/ 100 scf	N/A
25A	Natural Gas	Residue Gas	1000 Btu/scf	31,000 scf/hr	272 MMscf/yr	5 gr S/ 100 scf	N/A
26A	Natural Gas	Residue Gas	1000 Btu/scf	31,000 scf/hr	272 MMscf/yr	5 gr S/ 100 scf	N/A
C-1	Natural Gas	Residue Gas	1000 Btu/scf	8,100 scf/hr	71.7 MMscf/yr	5 gr S/ 100 scf	N/A
C-2	Natural Gas	Residue Gas	1000 Btu/scf	8,100 scf/hr	71.7 MMscf/yr	5 gr S/ 100 scf	N/A
C-3	Natural Gas	Residue Gas	1000 Btu/scf	8,100 scf/hr	71.7 MMscf/yr	5 gr S/ 100 scf	N/A
27	Natural Gas	Residue Gas	1000 Btu/scf	5,700 scf/hr	50.1 MMscf/yr	5 gr S/ 100 scf	N/A
29A	Natural Gas	Residue Gas	1000 Btu/scf	2,700 scf/hr	23.7 MMscf/yr	5 gr S/ 100 scf	N/A
31	Natural Gas	Residue Gas	1000 Btu/scf	24,500 scf/hr	215 MMscf/yr	5 gr S/ 100 scf	N/A
32	Natural Gas	Residue Gas	1000 Btu/scf	24,750 scf/hr	216 MMscf/yr	5 gr S/ 100 scf	N/A
33	Natural Gas	Residue Gas	1000 Btu/scf	24,750 scf/hr	216 MMscf/yr	5 gr S/ 100 scf	N/A

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
34	Natural Gas	Residue Gas	1000 Btu/scf	24,750 scf/hr	216 MMscf/yr	5 gr S/ 100 scf	N/A
111	Natural Gas	Residue Gas	1000 Btu/scf	604 scf/hr	5.3 MMscf/yr	5 gr S/ 100 scf	N/A
112A	Natural Gas	Residue Gas	1000 Btu/scf	3,158 scf/hr	27.7 MMscf/yr	5 gr S/ 100 scf	N/A
113	Natural Gas	Residue Gas	1000 Btu/scf	604 scf/hr	5.3 MMscf/yr	5 gr S/ 100 scf	N/A
114A	Natural Gas	Residue Gas	1000 Btu/scf	770.8 scf/hr	6.75 MMscf/yr	5 gr S/ 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-3A	40400321	Condensate	Hydrocarbon Mixture	5.6	66	63.3	5.5	70.8	6.4
TK-12A	40400321	Stabilized Condensate	C5+	5.6	66	63.3	5.5	70.8	6.4
TK-12B	40400321	Stabilized Condensate	C5+	5.6	66	63.3	5.5	70.8	6.4
TK-25A	40400321	Condensate	Hydrocarbon Mixture	5.6	66	63.3	5.5	70.8	6.4
TK-26A	40400321	Condensate	Hydrocarbon Mixture	5.6	66	63.3	5.5	70.8	6.4
TK-86	40400321	Condensate	Hydrocarbon Mixture	5.6	66	63.3	5.5	70.8	6.4
TK-87	40400321	Condensate	Hydrocarbon Mixture	5.6	66	63.3	5.5	70.8	6.4

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-3A	2003	Condensate	N/A	FX	500	79.5	4.72	2.36	WH	WH	Good	6,000,000	257
TK-12A	2004	Stabilized Condensate	N/A	FX	500	79.5	4.72	2.36	WH	WH	Good	3,500,000	150
TK-12B	2004	Stabilized Condensate	N/A	FX	500	79.5	4.72	2.36	WH	WH	Good	3,500,000	150
TK-25A	1997	Condensate	N/A	FX	500	79.5	4.72	2.36	MG	MG	Good	6,500,000	279
TK-26A	1997	Condensate	N/A	FX	500	79.5	4.72	2.36	MG	MG	Good	6,500,000	279
TK-86	1996	Condensate	N/A	FX	500	79.5	4.72	2.36	WH	WH	Good	6,000,000	257
TK-87	1996	Condensate	N/A	FX	500	79.5	4.72	2.36	WH	WH	Good	6,000,000	257

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)
Raw, sour natural gas	See Analysis	G	120 MMscfd	Natural Gas Liquids (NGL)	Mixed Hydrocarbons	L	13,500 bbl/day
				Sulfur	Elemental Sulfur	L	67,200 lb/day
				Residue Gas	Appr. 95% Methane	G	85 MMscf/d
				Condensate	Hydrocarbon Mixture	L	2,479 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
31	SO ₂	Ametek	4600	7360	1 second	3 hour	0 - 500 ppm SO ₂	0.1% full scale	+/- 2% full scale

Table 2-O: Parametric Emissions Measurement Equipment

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

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time
N/A - No PEM Equipment used at this facility.								

Table 2-P: Greenhouse Gas Emissions

Applications submitted under 20.2.70, 20.2.72, & 20.2.74 NMAC are required to complete this Table. Power plants, Title V major sources, and PSD major sources must report and calculate all GHG emissions for each unit. Applicants must report potential emission rates in short tons per year (see Section 6.a for assistance). Include GHG emissions during Startup, Shutdown, and Scheduled Maintenance in this table. For minor source facilities that are not power plants, are not Title V, or are not PSD, there are three options for reporting GHGs 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHG as a second separate unit; OR 3) check the following box By checking this box, the applicant acknowledges the total CO₂e emissions are less than 75,000 tons per year.

		CO ₂ ton/yr	N ₂ O ton/yr	CH ₄ ton/yr	SF ₆ ton/yr	PFC/HFC ton/yr ²										Total GHG Mass Basis ton/yr ⁴	Total CO ₂ e ton/yr ⁵
Unit No.	GWPs¹	1	298	25	22,800	footnote 3											
14	mass GHG	1643.4	0.0031	0.031	-	-										1643.4	
	CO ₂ e	1643.4	0.9238	0.775	-	-											1645.1
15	mass GHG	1643.4	0.0031	0.031	-	-										1643.4	
	CO ₂ e	1643.4	0.9238	0.775	-	-											1645.1
16	mass GHG	3174.2	0.0060	0.0600	-	-										3174.3	
	CO ₂ e	3174.2	1.788	1.5	-	-											3177.5
17A	mass GHG	15903.4	0.030	0.30	-	-										15903.7	
	CO ₂ e	15903.4	8.94	7.5	-	-											15919.8
18B	mass GHG	15512.6	0.029	0.29	-	-										15512.9	
	CO ₂ e	15512.6	8.642	7.25	-	-											15528.5
19A	mass GHG	15512.6	0.029	0.29	-	-										15512.9	
	CO ₂ e	15512.6	8.642	7.25	-	-											15528.5
20	mass GHG	3174.2	0.006	0.06	-	-										3174.3	
	CO ₂ e	3174.2	1.788	1.5	-	-											3177.5
21	mass GHG	3174.2	0.006	0.06	-	-										3174.3	
	CO ₂ e	3174.2	1.788	1.5	-	-											3177.5
22	mass GHG	3174.2	0.006	0.06	-	-										3174.3	
	CO ₂ e	3174.2	1.788	1.5	-	-											3177.5
25A	mass GHG	15903.4	0.03	0.30	-	-										15903.7	
	CO ₂ e	15903.4	8.94	7.5	-	-											15919.8
26A	mass GHG	15903.4	0.03	0.3	-	-										15903.7	
	CO ₂ e	15903.4	8.94	7.5	-	-											15919.8
C-1	mass GHG	4199	0.0079	0.079	-	-										4199.1	
	CO ₂ e	4199	2.3542	1.975	-	-											4203.3
C-2	mass GHG	4199	0.0079	0.079	-	-										4199.1	
	CO ₂ e	4199	2.3542	1.975	-	-											4203.3
C-3	mass GHG	4199	0.0079	0.079	-	-										4199.1	
	CO ₂ e	4199	2.449	1.659	-	-											4203.1
27	mass GHG	2928.5	0.0055	0.055	-	-										2928.6	
	CO ₂ e	2928.5	1.639	1.375	-	-											2931.5
28/28A	mass GHG	179.2	0.00034	1.3034	-	-										180.5	
	CO ₂ e	179.2	0.10132	32.585	-	-											211.9
29A	mass GHG	1382.3	0.0026	0.026	-	-										1382.3	
	CO ₂ e	1382.3	0.7748	0.65	-	-											1383.7

31	mass GHG	12543.4	0.024	0.24	-	-									12543.7	
	CO ₂ e	12543.4	7.152	6	-	-										12556.6
32	mass GHG	12671.3	0.024	0.24	-	-									12671.6	
	CO ₂ e	12671.3	7.152	6	-	-										12684.5
33	mass GHG	12671.3	0.024	0.24	-	-									12671.6	
	CO ₂ e	12671.3	7.152	6.00	-	-										12684.5
34	mass GHG	12671.3	0.024	0.24	-	-									12671.6	
	CO ₂ e	12671.3	7.152	6.00	-	-										12684.5
111	mass GHG	401.6	8.75E-06	0.4078815	-	-									402.0	
	CO ₂ e	401.6	2.61E-03	10.197037	-	-										411.8
112A	mass GHG	2099.3	4.57E-05	2.1320105	-	-									2101.4	
	CO ₂ e	2099.3	1.36E-02	53.300263	-	-										2152.6
113	mass GHG	401.6	8.75E-06	0.4078815	-	-									402.0	
	CO ₂ e	401.6	2.61E-03	10.197037	-	-										411.8
114A	mass GHG	512.4	1.12E-05	0.520378	-	-									512.9	
	CO ₂ e	512.4	3.33E-03	13.00945	-	-										525.4
TK-3A	mass GHG	-	-	10.2	-	-									10.2	
	CO ₂ e	-	-	255	-	-										255.0
TK-86	mass GHG	-	-	10.2	-	-									10.2	
	CO ₂ e	-	-	255	-	-										255.0
TK-87	mass GHG	-	-	10.2	-	-									10.2	
	CO ₂ e	-	-	255	-	-										255.0
Amine 01	mass GHG	74117.9	-	-	-	-									74117.9	
	CO ₂ e	74117.9	-	-	-	-										74117.9
Amine 01A	mass GHG	-	-	-	-	-									-	
	CO ₂ e	-	-	-	-	-									-	
TK-25A	mass GHG	-	-	11.1	-	-									11.1	
	CO ₂ e	-	-	277.5	-	-										277.5
TK-26A	mass GHG	-	-	11.10	-	-									11.1	
	CO ₂ e	-	-	277.50	-	-										277.5
TK-12A	mass GHG	-	-	6.00	-	-									6.0	
	CO ₂ e	-	-	150	-	-										150.0
TK-12B	mass GHG	-	-	6	-	-									6.0	
	CO ₂ e	-	-	150	-	-										150.0
FUG	mass GHG	-	-	-	-	-									-	
	CO ₂ e	-	-	-	-	-									-	
CT-S	mass GHG	-	-	-	-	-									-	
	CO ₂ e	-	-	-	-	-									-	
CT-N	mass GHG	-	-	-	-	-									-	
	CO ₂ e	-	-	-	-	-									-	
Total	mass GHG														239969.1	
	CO ₂ e															241803.0

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.

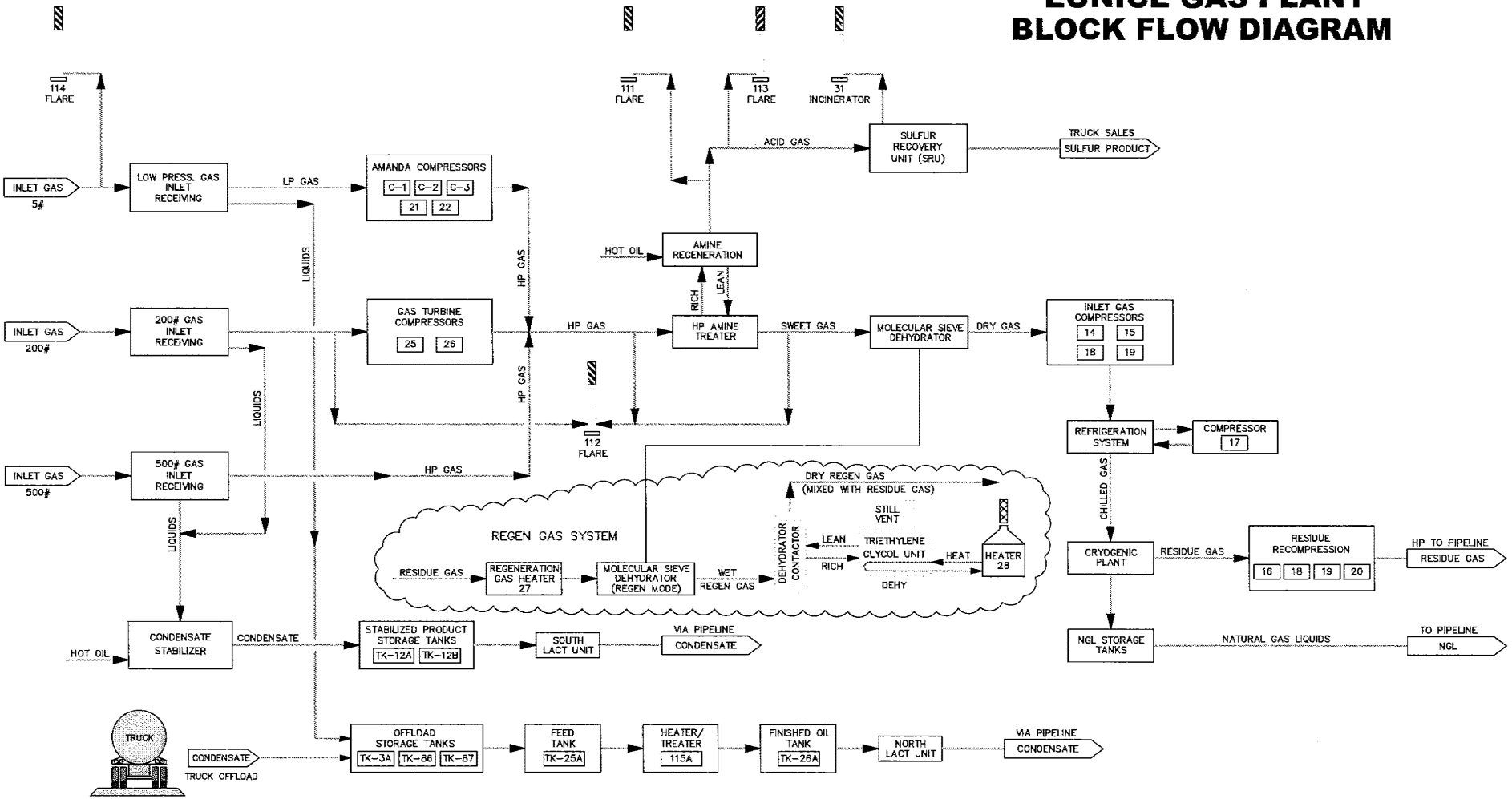
Section 4

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 included in this section.

EUNICE GAS PLANT BLOCK FLOW DIAGRAM



SIMPLIFIED PROCESS FLOW DIAGRAM

REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.	REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.
0	3-21-07	DRAWN FROM HAND SKETCH (J.R.)	J.R.E.	J.R.									



**EUNICE GAS PLANT
EUNICE GATHERING SYSTEM**

Lea County
NEW MEXICO

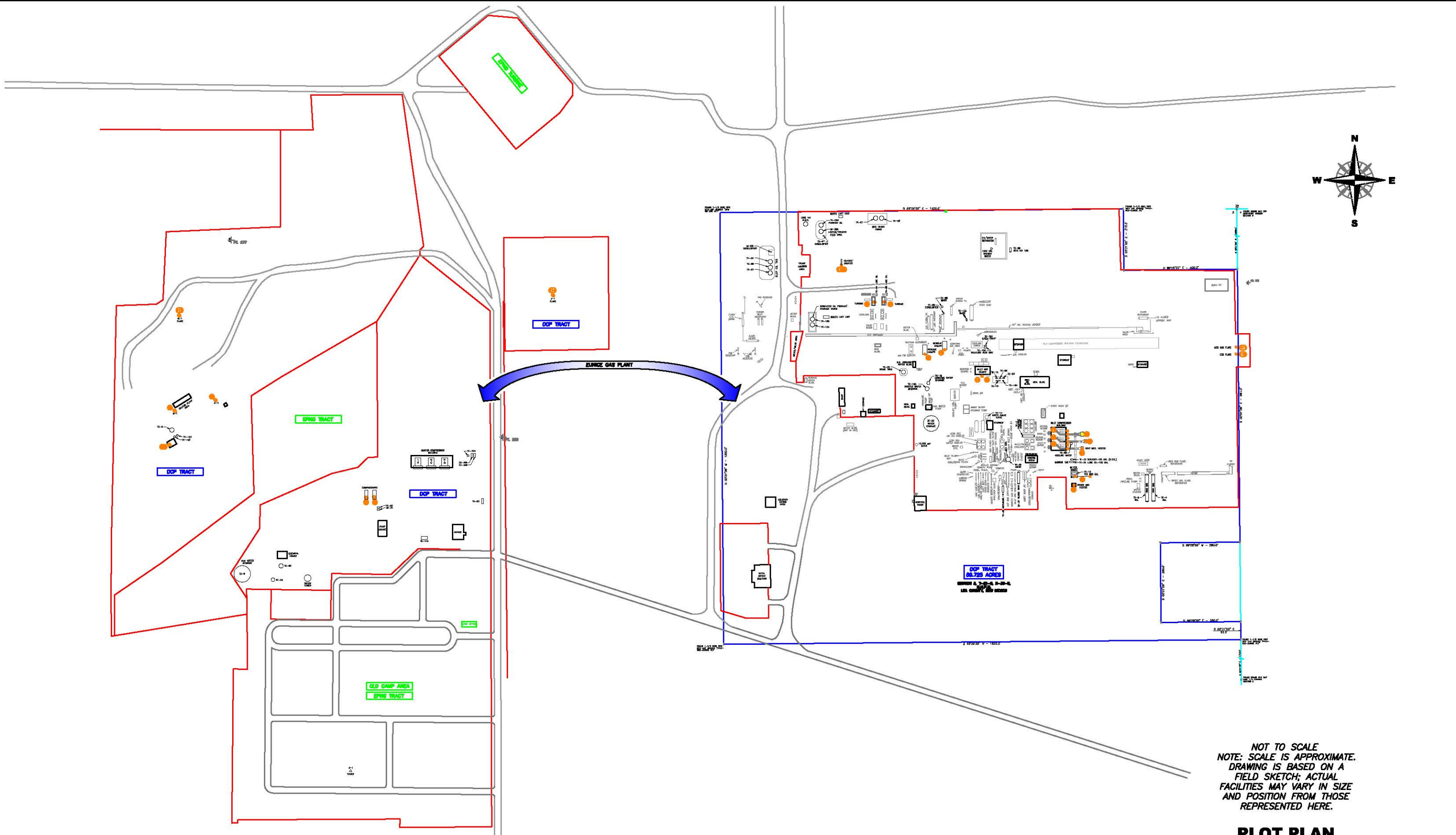
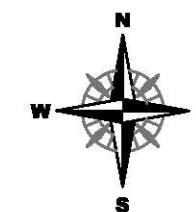
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Section 5

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 included in this section.



NOT TO SCALE
 NOTE: SCALE IS APPROXIMATE.
 DRAWING IS BASED ON A
 FIELD SKETCH; ACTUAL
 FACILITIES MAY VARY IN SIZE
 AND POSITION FROM THOSE
 REPRESENTED HERE.

PLOT PLAN

**EUNICE GAS PLANT
 EUNICE GATHERING SYSTEM**

**Lea County
 NEW MEXICO**

\\data\EhsDrawings\Mapping\NewMexico\Eunice\Eunice_Plot

REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.
0	3-21-07	DRAWN FROM DEFS SKETCH (12-29-03)	J.R.E.	J.R.		

REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.



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.

All permitted emission rates presented in this section have been previously reviewed and approved by NMED for the current NSR permit. This section of the application includes representative calculations for the new activities that DCP is seeking to authorize at the Eunice plant. A brief explanation of the calculations by equipment category follows.

Stabilized Condensate Loading (Unit LOAD-STAB)

This application seeks to authorize 900 bbl/day of stabilized condensate loading from tanks TK-12A and TK-12B is being requested. Emissions associated with this loading is calculated using a stabilized condensate liquid analysis and BR&E ProMax. Loading emissions will be controlled by the existing vapor recovery unit (Unit LOAD-VRU). While DCP does not intend to load stabilized condensate during VRU downtime, a vapor collection efficiency of 95% is conservatively assumed.

Unpaved Haul Roads (Unit HAUL)

Annual emissions from unpaved haul roads used to truck out condensate at Eunice are calculated conservatively using the maximum number of haul trucks needed to haul out the requested daily throughput of stabilized condensate. As the condensate throughput will become a federally enforceable limit, this is an appropriate method to calculate the PTE of the unpaved haul road. As the PTE of the haul road will be less than 0.5 tpy, this activity will be exempt pursuant to 20.2.72.202.B(5) NMAC.

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)

Calculation Inputs

Stabilized Loading Inputs

Collection Eff.	95%	Collection to Low Pressure Sales Line
Loads per day	5 per day	Engineer Estimate
Volume per day	37,800 gal/day 900 bbl/day	Number of Loads *7560 gal/load gal/day / 42 bbl/gal
Volume per year	13,797,000 gal/yr 328,500 bbl/yr	gal/day * 365 days/yr bbl/day * 365 days/yr

Unpaved Haul Road Inputs

Road Length	0.1 mi
Round Trip Length	0.1 mi
Trips per day	5 per day
Trips per year	1825 per year

Stabilized Condensate Loading

Collection Efficiency: 95%

Component	lb/hr	tpy
Water	0.00E+00	0.00E+00
Hydrogen Sulfide	0.00E+00	0.00E+00
Carbon Dioxide	1.26E-03	5.52E-03
Nitrogen	2.72E-03	1.19E-02
Methane	4.47E-03	1.96E-02
Ethane	2.52E-02	1.11E-01
Propane	5.08E-02	2.22E-01
Isobutane	1.29E-02	5.66E-02
n-Butane	4.40E-02	1.93E-01
Isopentane	7.70E-02	3.37E-01
n-Pentane	1.97E-01	8.65E-01
n-Hexane	0.00E+00	0.00E+00
iC6	1.40E-01	6.12E-01
Heptane	2.90E-02	1.27E-01
Octane	2.77E-03	1.21E-02
Nonane	1.15E-04	5.06E-04
Benzene	6.31E-03	2.76E-02
Toluene	1.38E-03	6.03E-03
Ethylbenzene	5.28E-05	2.31E-04
m-Xylene	8.97E-05	3.93E-04
2,2,4-Trimethylpentane	0.00E+00	0.00E+00
Decanes Plus	3.42E-09	1.50E-08
Total VOC	0.56	2.46
Total HAP	0.0078	0.034

Unpaved Haul Road

Haul Input Information	
Unit(s):	HAUL
Description:	Unpaved haul road emissions

Input Data		
Empty vehicle weight ¹	16	tons
Load weight ²	12.9	tons
Loaded vehicle ³	28.9	tons
Mean vehicle weight ⁴	22.44	tons
Condensate Throughput	900	bbl/day
Loadout volume	328500	bbl/yr
Vehicle size	180	bbl
Vehicle frequency ⁵	5	vehicles/day
Round-trip distance	0.1	mile/trip
Truck Size:	7560	Nominal
Filling Time:	0.75	Nominal
Oil Loadout Spots	1	Assumed
Trip frequency ⁶	1	trips/hour
Trip frequency ⁷	1825	trips/yr
Surface silt content ⁸	4.8	%
Annual wet days ⁹	70	days/yr
Vehicle miles traveled ¹⁰	0.100	mile/hr
Vehicle miles traveled	182.5	miles/yr

Emission Factors and Constants		
Parameter	PM ₁₀	PM _{2.5}
k, lb/VMT ¹¹	1.5	0.15
a, lb/VMT ¹¹	0.90	0.90
b, lb/VMT ¹¹	0.45	0.45
Hourly EF, lb/VMT ¹²	1.63	0.16
Annual EF, lb/VMT ¹³	1.31	0.13

Emission Calculations for Particulate Matter		
	PM ₁₀	PM _{2.5}
	0.16	0.016 lb/hr ¹⁴
	0.12	0.012 ton/yr ¹⁵

- ¹ Empty vehicle weight includes driver and occupants and full fuel load.
- ² Cargo, transported materials, etc. (Density (lb/gal) * 7560 gal truck/ 2000lb/ton)
- ³ Loaded vehicle weight = Empty + Load Size
- ⁴ Mean Vehicle weight = (Loaded Weight + Empty Weight) / 2
- ⁵ Vehicles per day = Loadout volume / Truck size
- ⁶ Trips per hour = Total loadout spots / Loading time
- ⁷ Trips per year = Total throughput (bbl/yr) / Truck size (bbl)
- ⁸ AP-42 Table 13.2.2-1
- ⁹ Per NMED Guidance
- ¹⁰ VMT/hr = Vehicle Miles Traveled per hour= Trips per hour * Segment Length
- ¹¹ Table 13.2.2-2, Industrial Roads
- ¹² AP-42 13.2.2, Equation 1a
- ¹³ AP-42 13.2.2, Equation 2
- ¹⁴ lb/hr = Hourly EF (lb/VMT) * VMT (mile/hr)
- ¹⁵ ton/yr = Annual EF (lb/VMT) * VMT (mile/hr) * Hours of operation (hr/yr)

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.
-

Stabilized Condensate Loading (Unit LOAD-STAB)

- BR&E ProMax
- Liquids Analysis

Unpaved Haul Roads (Unit HAUL)

- AP-42 Section 13.2.2

10857L	Eunice Plant Stabilized Condensate		Eunice Plant Stabilized Condensate
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2020035891	1903	D Jett - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Oct 9, 2020 13:25	Oct 9, 2020 13:25	Oct 12, 2020 07:14	Oct 12, 2020
Date Sampled	Date Effective	Date Received	Date Reported
91.00	TG		
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
DCP Midstream		Condensate	
Operator		Lab Source Description	

Component	Mol %	Mass %	Liquid %
Nitrogen (N2)	0.0450	0.0150	0.0130
Carbon Dioxide (CO2)	0.0030	0.0020	0.0020
Methane (C1)	0.0560	0.0110	0.0250
Ethane (C2)	0.1340	0.0480	0.0930
Propane (C3)	0.6840	0.3560	0.4830
Isobutane (IC4)	0.3570	0.2450	0.2990
n-Butane (NC4)	1.7700	1.2150	1.4300
Isopentane (IC5)	6.3350	5.4000	5.9380
n-Pentane (NC5)	21.6470	18.4510	20.1110
2-methylpentane (2MC5)	9.1450	9.3100	9.7290
3-methylpentane (3MC5)	5.8660	5.9720	6.1350
Benzene	3.3080	3.0530	2.3730
Ethylbenzene	0.1950	0.2450	0.1930
M + P Xylenes	0.2860	0.3840	0.3210
O-Xylene	0.0920	0.1150	0.0890
Toluene	2.0030	2.1810	1.7200
Hexanes (C6's)	15.4590	15.4160	15.7530
Heptanes (C7's)	24.3740	26.6530	25.1530
Octanes (C8's)	6.9890	9.1100	8.5100
Nonanes (C9's)	0.9680	1.3730	1.2390
Decanes (C10's)	0.2110	0.3270	0.2890
Undecanes (C11's)	0.0640	0.1000	0.0850
Dodecanes (C12's)	0.0090	0.0180	0.0170
TOTAL	100.0000	100.0000	100.0000

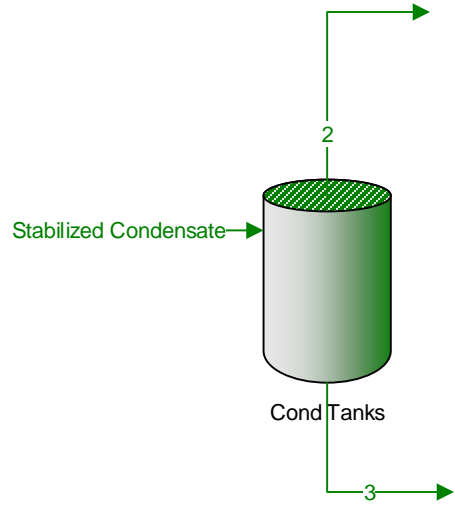
Gross Heating Values @ 14.73 PSI		
BTU/ft ³	BTU/Gal	BTU/lb
4,598.8	40851.1	20569.5
Calculated Total Sample Properties		
GPA2145-16 *Calculated at Contract Conditions		
Relative Density	Absolute Density (lb/gal)	API Gravity
0.6874	1.986	74.3
Molecular Weight	Vapor Volume (ft ³ /gal)	Vapor Pressure (PSI)
84.6450	8.883	10.5
Ratios		
C1 to C2	CO2 to C2	
21.19:1	2.11:1	
C6+ Group Properties		
Assumed Composition		
C6 - 44.176%	C7 - 40.137%	C8 - 15.687%
Field H2S		
0 PPM		

PROTREND STATUS: Passed By Validator on Oct 12, 2020
DATA SOURCE: Imported

PASSED BY VALIDATOR REASON: First sample taken @ this point, composition looks reasonable

VALIDATOR: Dustin Armstrong

VALIDATOR COMMENTS: OK



Tank-1

Annual tank loss calculations for "Stabilized Condensate".
 Loading losses are 2.952 ton/yr of loaded liquid.
 * Only Non-Exempt VOCs are reported.

— Loading to VRU —

Properties	Loading to VRU	
Std Vapor Volumetric Flow (Total)	0.00010067	MMSCFD

13.2.2 Unpaved Roads

13.2.2.1 General

When a vehicle travels an unpaved road, the force of the wheels on the road surface causes pulverization of surface material. Particles are lifted and dropped from the rolling wheels, and the road surface is exposed to strong air currents in turbulent shear with the surface. The turbulent wake behind the vehicle continues to act on the road surface after the vehicle has passed.

The particulate emission factors presented in the previous draft version of this section of AP-42, dated October 2001, implicitly included the emissions from vehicles in the form of exhaust, brake wear, and tire wear as well as resuspended road surface material²⁵. EPA included these sources in the emission factor equation for unpaved public roads (equation 1b in this section) since the field testing data used to develop the equation included both the direct emissions from vehicles and emissions from resuspension of road dust.

This version of the unpaved public road emission factor equation only estimates particulate emissions from resuspended road surface material^{23, 26}. The particulate emissions from vehicle exhaust, brake wear, and tire wear are now estimated separately using EPA's MOBILE6.2²⁴. This approach eliminates the possibility of double counting emissions. Double counting results when employing the previous version of the emission factor equation in this section and MOBILE6.2 to estimate particulate emissions from vehicle traffic on unpaved public roads. It also incorporates the decrease in exhaust emissions that has occurred since the unpaved public road emission factor equation was developed. The previous version of the unpaved public road emission factor equation includes estimates of emissions from exhaust, brake wear, and tire wear based on emission rates for vehicles in the 1980 calendar year fleet. The amount of PM released from vehicle exhaust has decreased since 1980 due to lower new vehicle emission standards and changes in fuel characteristics.

13.2.2.2 Emissions Calculation And Correction Parameters¹⁻⁶

The quantity of dust emissions from a given segment of unpaved road varies linearly with the volume of traffic. Field investigations also have shown that emissions depend on source parameters that characterize the condition of a particular road and the associated vehicle traffic. Characterization of these source parameters allow for "correction" of emission estimates to specific road and traffic conditions present on public and industrial roadways.

Dust emissions from unpaved roads have been found to vary directly with the fraction of silt (particles smaller than 75 micrometers [μm] in diameter) in the road surface materials.¹ The silt fraction is determined by measuring the proportion of loose dry surface dust that passes a 200-mesh screen, using the ASTM-C-136 method. A summary of this method is contained in Appendix C of AP-42. Table 13.2.2-1 summarizes measured silt values for industrial unpaved roads. Table 13.2.2-2 summarizes measured silt values for public unpaved roads. It should be noted that the ranges of silt content vary over two orders of magnitude. Therefore, the use of data from this table can potentially introduce considerable error. Use of this data is strongly discouraged when it is feasible to obtain locally gathered data.

Since the silt content of a rural dirt road will vary with geographic location, it should be measured for use in projecting emissions. As a conservative approximation, the silt content of the parent soil in the area can be used. Tests, however, show that road silt content is normally lower than in the surrounding parent soil, because the fines are continually removed by the vehicle traffic, leaving a higher percentage of coarse particles.

Other variables are important in addition to the silt content of the road surface material. For example, at industrial sites, where haul trucks and other heavy equipment are common, emissions are highly correlated with vehicle weight. On the other hand, there is far less variability in the weights of cars and pickup trucks that commonly travel publicly accessible unpaved roads throughout the United States. For those roads, the moisture content of the road surface material may be more dominant in determining differences in emission levels between, for example a hot, desert environment and a cool, moist location.

The PM-10 and TSP emission factors presented below are the outcomes from stepwise linear regressions of field emission test results of vehicles traveling over unpaved surfaces. Due to a limited amount of information available for PM-2.5, the expression for that particle size range has been scaled against the result for PM-10. Consequently, the quality rating for the PM-2.5 factor is lower than that for the PM-10 expression.

Table 13.2.2-1. TYPICAL SILT CONTENT VALUES OF SURFACE MATERIAL ON INDUSTRIAL UNPAVED ROADS^a

Industry	Road Use Or Surface Material	Plant Sites	No. Of Samples	Silt Content (%)	
				Range	Mean
Copper smelting	Plant road	1	3	16 - 19	17
Iron and steel production	Plant road	19	135	0.2 - 19	6.0
Sand and gravel processing	Plant road	1	3	4.1 - 6.0	4.8
	Material storage area	1	1	-	7.1
Stone quarrying and processing	Plant road	2	10	2.4 - 16	10
	Haul road to/from pit	4	20	5.0-15	8.3
Taconite mining and processing	Service road	1	8	2.4 - 7.1	4.3
	Haul road to/from pit	1	12	3.9 - 9.7	5.8
Western surface coal mining	Haul road to/from pit	3	21	2.8 - 18	8.4
	Plant road	2	2	4.9 - 5.3	5.1
	Scraper route	3	10	7.2 - 25	17
	Haul road (freshly graded)	2	5	18 - 29	24
Construction sites	Scraper routes	7	20	0.56-23	8.5
Lumber sawmills	Log yards	2	2	4.8-12	8.4
Municipal solid waste landfills	Disposal routes	4	20	2.2 - 21	6.4

^aReferences 1,5-15.

The following empirical expressions may be used to estimate the quantity in pounds (lb) of size-specific particulate emissions from an unpaved road, per vehicle mile traveled (VMT):

For vehicles traveling on unpaved surfaces at industrial sites, emissions are estimated from the following equation:

$$E = k (s/12)^a(W/3)^b \quad (1a)$$

and, for vehicles traveling on publicly accessible roads, dominated by light duty vehicles, emissions may be estimated from the following:

$$E = \frac{k (s/12)^a(S/30)^d}{(M/0.5)^c} - C \quad (1b)$$

where k , a , b , c and d are empirical constants (Reference 6) given below and

E = size-specific emission factor (lb/VMT)

s = surface material silt content (%)

W = mean vehicle weight (tons)

M = surface material moisture content (%)

S = mean vehicle speed (mph)

C = emission factor for 1980's vehicle fleet exhaust, brake wear and tire wear.

The source characteristics s , W and M are referred to as correction parameters for adjusting the emission estimates to local conditions. The metric conversion from lb/VMT to grams (g) per vehicle kilometer traveled (VKT) is as follows:

$$1 \text{ lb/VMT} = 281.9 \text{ g/VKT}$$

The constants for Equations 1a and 1b based on the stated aerodynamic particle sizes are shown in Tables 13.2.2-2 and 13.2.2-4. The PM-2.5 particle size multipliers (k -factors) are taken from Reference 27.

Table 13.2.2-2. CONSTANTS FOR EQUATIONS 1a AND 1b

Constant	Industrial Roads (Equation 1a)			Public Roads (Equation 1b)		
	PM-2.5	PM-10	PM-30*	PM-2.5	PM-10	PM-30*
k (lb/VMT)	0.15	1.5	4.9	0.18	1.8	6.0
a	0.9	0.9	0.7	1	1	1
b	0.45	0.45	0.45	-	-	-
c	-	-	-	0.2	0.2	0.3
d	-	-	-	0.5	0.5	0.3
Quality Rating	B	B	B	B	B	B

*Assumed equivalent to total suspended particulate matter (TSP)

“-“ = not used in the emission factor equation

Table 13.2.2-2 also contains the quality ratings for the various size-specific versions of Equation 1a and 1b. The equation retains the assigned quality rating, if applied within the ranges of source conditions, shown in Table 13.2.2-3, that were tested in developing the equation:

Table 13.2.2-3. RANGE OF SOURCE CONDITIONS USED IN DEVELOPING EQUATION 1a AND 1b

Emission Factor	Surface Silt Content, %	Mean Vehicle Weight		Mean Vehicle Speed		Mean No. of Wheels	Surface Moisture Content, %
		Mg	ton	km/hr	mph		
Industrial Roads (Equation 1a)	1.8-25.2	1.8-260	2-290	8-69	5-43	4-17 ^a	0.03-13
Public Roads (Equation 1b)	1.8-35	1.4-2.7	1.5-3	16-88	10-55	4-4.8	0.03-13

^a See discussion in text.

As noted earlier, the models presented as Equations 1a and 1b were developed from tests of traffic on unpaved surfaces. Unpaved roads have a hard, generally nonporous surface that usually dries quickly after a rainfall or watering, because of traffic-enhanced natural evaporation. (Factors influencing how fast a road dries are discussed in Section 13.2.2.3, below.) The quality ratings given above pertain to the mid-range of the measured source conditions for the equation. A higher mean vehicle weight and a higher than normal traffic rate may be justified when performing a worst-case analysis of emissions from unpaved roads.

The emission factors for the exhaust, brake wear and tire wear of a 1980's vehicle fleet (C) was obtained from EPA's MOBILE6.2 model ²³. The emission factor also varies with aerodynamic size range

as shown in Table 13.2.2-4

Table 13.2.2-4. EMISSION FACTOR FOR 1980'S VEHICLE FLEET
EXHAUST, BRAKE WEAR AND TIRE WEAR

Particle Size Range ^a	C, Emission Factor for Exhaust, Brake Wear and Tire Wear ^b lb/VMT
PM _{2.5}	0.00036
PM ₁₀	0.00047
PM ₃₀ ^c	0.00047

- ^a Refers to airborne particulate matter (PM-x) with an aerodynamic diameter equal to or less than x micrometers.
- ^b Units shown are pounds per vehicle mile traveled (lb/VMT).
- ^c PM-30 is sometimes termed "suspendable particulate" (SP) and is often used as a surrogate for TSP.

It is important to note that the vehicle-related source conditions refer to the average weight, speed, and number of wheels for all vehicles traveling the road. For example, if 98 percent of traffic on the road are 2-ton cars and trucks while the remaining 2 percent consists of 20-ton trucks, then the mean weight is 2.4 tons. More specifically, Equations 1a and 1b are *not* intended to be used to calculate a separate emission factor for each vehicle class within a mix of traffic on a given unpaved road. That is, in the example, one should *not* determine one factor for the 2-ton vehicles and a second factor for the 20-ton trucks. Instead, only one emission factor should be calculated that represents the "fleet" average of 2.4 tons for all vehicles traveling the road.

Moreover, to retain the quality ratings when addressing a group of unpaved roads, it is necessary that reliable correction parameter values be determined for the road in question. The field and laboratory procedures for determining road surface silt and moisture contents are given in AP-42 Appendices C.1 and C.2. Vehicle-related parameters should be developed by recording visual observations of traffic. In some cases, vehicle parameters for industrial unpaved roads can be determined by reviewing maintenance records or other information sources at the facility.

In the event that site-specific values for correction parameters cannot be obtained, then default values may be used. In the absence of site-specific silt content information, an appropriate mean value from Table 13.2.2-1 may be used as a default value, but the quality rating of the equation is reduced by two letters. Because of significant differences found between different types of road surfaces and between different areas of the country, use of the default moisture content value of 0.5 percent in Equation 1b is discouraged. The quality rating should be downgraded two letters when the default moisture content value is used. (It is assumed that readers addressing industrial roads have access to the information needed to develop average vehicle information in Equation 1a for their facility.)

The effect of routine watering to control emissions from unpaved roads is discussed below in Section 13.2.2.3, "Controls". However, all roads are subject to some natural mitigation because of rainfall and other precipitation. The Equation 1a and 1b emission factors can be extrapolated to annual

average uncontrolled conditions (but including natural mitigation) under the simplifying assumption that annual average emissions are inversely proportional to the number of days with measurable (more than 0.254 mm [0.01 inch]) precipitation:

$$E_{\text{ext}} = E [(365 - P)/365] \quad (2)$$

where:

E_{ext} = annual size-specific emission factor extrapolated for natural mitigation, lb/VMT

E = emission factor from Equation 1a or 1b

P = number of days in a year with at least 0.254 mm (0.01 in) of precipitation (see below)

Figure 13.2.2-1 gives the geographical distribution for the mean annual number of “wet” days for the United States.

Equation 2 provides an estimate that accounts for precipitation on an annual average basis for the purpose of inventorying emissions. It should be noted that Equation 2 does not account for differences in the temporal distributions of the rain events, the quantity of rain during any event, or the potential for the rain to evaporate from the road surface. In the event that a finer temporal and spatial resolution is desired for inventories of public unpaved roads, estimates can be based on a more complex set of assumptions. These assumptions include:

1. The moisture content of the road surface material is increased in proportion to the quantity of water added;
2. The moisture content of the road surface material is reduced in proportion to the Class A pan evaporation rate;
3. The moisture content of the road surface material is reduced in proportion to the traffic volume; and
4. The moisture content of the road surface material varies between the extremes observed in the area. The CHIEF Web site (<http://www.epa.gov/ttn/chief/ap42/ch13/related/c13s02-2.html>) has a file which contains a spreadsheet program for calculating emission factors which are temporally and spatially resolved. Information required for use of the spreadsheet program includes monthly Class A pan evaporation values, hourly meteorological data for precipitation, humidity and snow cover, vehicle traffic information, and road surface material information.

It is emphasized that the simple assumption underlying Equation 2 and the more complex set of assumptions underlying the use of the procedure which produces a finer temporal and spatial resolution have not been verified in any rigorous manner. For this reason, the quality ratings for either approach should be downgraded one letter from the rating that would be applied to Equation 1.

13.2.2.3 Controls¹⁸⁻²²

A wide variety of options exist to control emissions from unpaved roads. Options fall into the following three groupings:

1. Vehicle restrictions that limit the speed, weight or number of vehicles on the road;

2. Surface improvement, by measures such as (a) paving or (b) adding gravel or slag to a dirt road; and
3. Surface treatment, such as watering or treatment with chemical dust suppressants.

Available control options span broad ranges in terms of cost, efficiency, and applicability. For example, traffic controls provide moderate emission reductions (often at little cost) but are difficult to enforce. Although paving is highly effective, its high initial cost is often prohibitive. Furthermore, paving is not feasible for industrial roads subject to very heavy vehicles and/or spillage of material in transport. Watering and chemical suppressants, on the other hand, are potentially applicable to most industrial roads at moderate to low costs. However, these require frequent reapplication to maintain an acceptable level of control. Chemical suppressants are generally more cost-effective than water but not in cases of temporary roads (which are common at mines, landfills, and construction sites). In summary, then, one needs to consider not only the type and volume of traffic on the road but also how long the road will be in service when developing control plans.

Vehicle restrictions. These measures seek to limit the amount and type of traffic present on the road or to lower the mean vehicle speed. For example, many industrial plants have restricted employees from driving on plant property and have instead instituted bussing programs. This eliminates emissions due to employees traveling to/from their worksites. Although the heavier average vehicle weight of the busses increases the base emission factor, the decrease in vehicle-miles-traveled results in a lower overall emission rate.

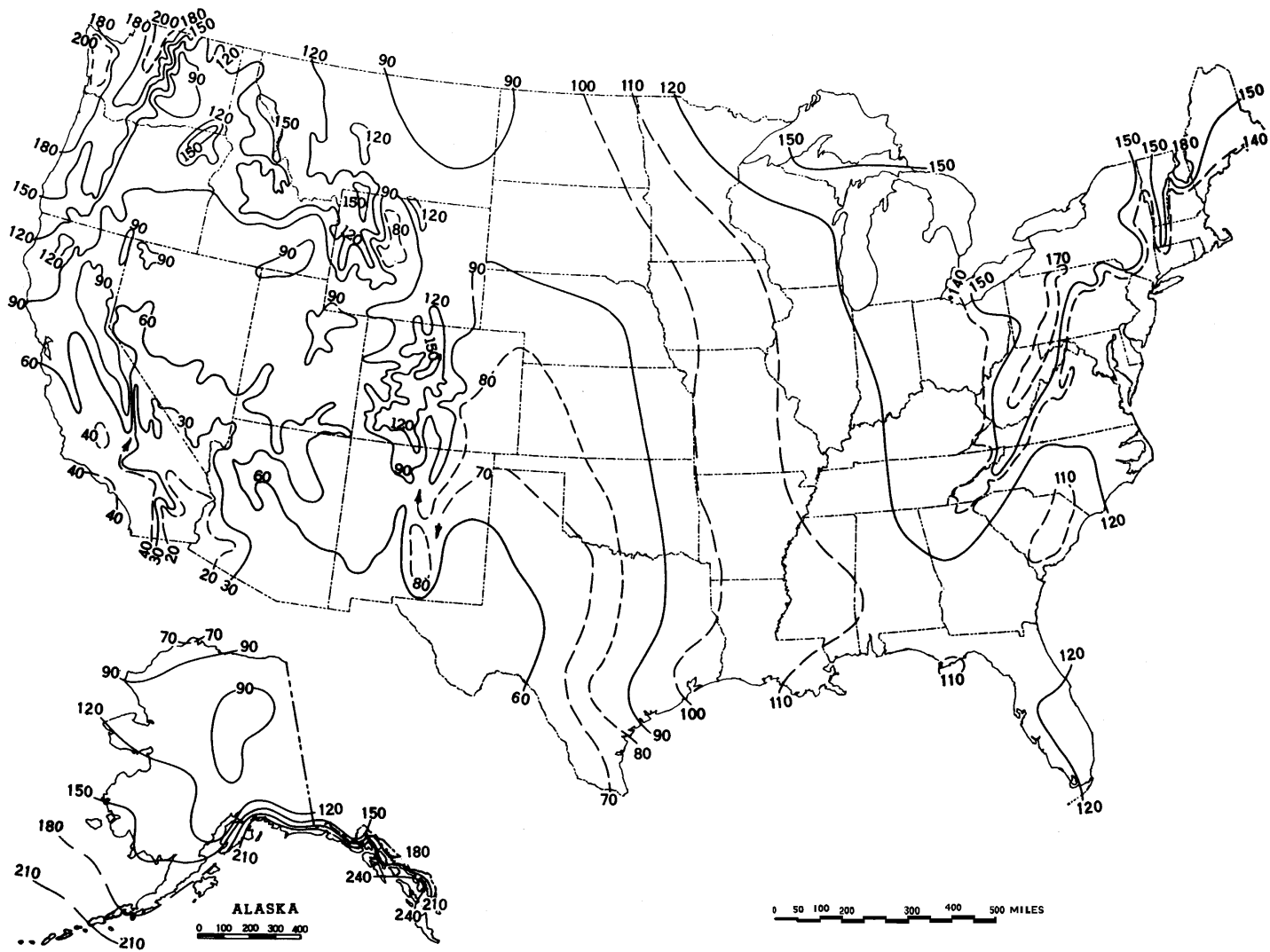


Figure 13.2.2-1. Mean number of days with 0.01 inch or more of precipitation in United States.

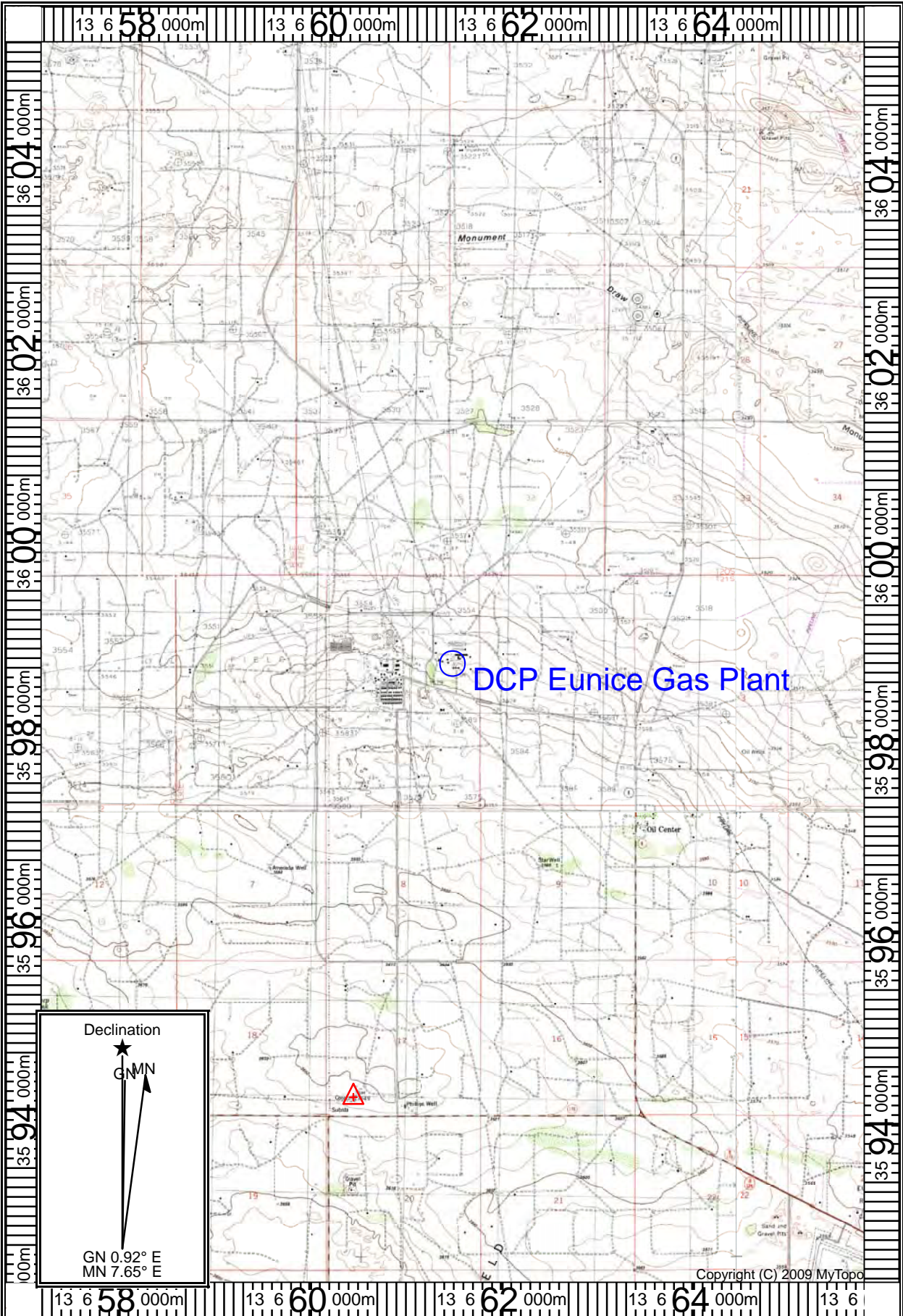
Section 8

Map(s)

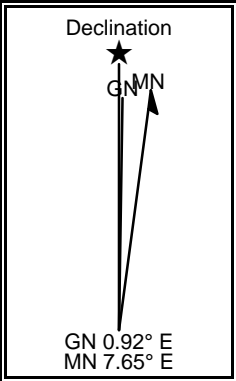
A map such as a 7.5 minute topographic quadrangle showing the exact location of the source. The map shall also include the following:

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 topographic map is included in this section.



DCP Eunice Gas Plant



Copyright (C) 2009 MyTopo

Map Name: MONUMENT SOUTH Scale: 1 inch = 4,761 ft. Horizontal Datum: WGS84
 Print Date: 02/29/12 Map Center: 13 0661377 E 35987

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.
-

All public notice requirements have been completed and are included in this section.

NOTICE OF AIR QUALITY PERMIT APPLICATION

DCP Midstream, LP announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Gas Plant facility. The expected date of application submittal to the Air Quality Bureau is November 20, 2020.

The location of the facility, know as Eunice Gas Plant, is roughly 7 miles northwest of Eunice, New Mexico in Section 5, Range 36E, Township 21S in Lea County (Latitude 32°30'31"N / Longitude 103°17'08"W). To reach the facility from Eunice, NM drive west on Hwy. 8 for approximately 7 miles. At the Hwy. 8/Hwy. 176 junction continue north on Hwy. 8 for approximately 2 miles to SR-175. Turn left (west) and continue 1.3 miles to the main plant office on the north side of the road.

The proposed revision consists of an increase in condensate loading and hauling from 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	Air Emissions	
	Pounds per hour	Tons per year
Oxides of Nitrogen (NO _x)	785	850
Carbon Monoxide (CO)	3,315	385
Volatile Organic Compounds (VOC)	13,600	165
PM _{2.5}	6	16
PM ₁₀	6	16
Sulfur Dioxide (SO ₂)	19,175	3,650
Total HAPS	475	22
Formaldehyde	5	9.4
Hexane	1	2
Hydrogen Sulfide (H ₂ S)	280	55

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

The owner and operator of the Facility is: DCP Midstream, LP, 10 Desta Drive, Suite 400 West, 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.

November 18, 2020

CERTIFIED MAIL Sent via certified mail

DCP Midstream, LP announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Gas Plant facility. The expected date of application submittal to the Air Quality Bureau is November 20, 2020.

The location of the facility, know as Eunice Gas Plant, is roughly 7 miles northwest of Eunice, New Mexico in Section 5, Range 36E, Township 21S in Lea County (Latitude 32°30'31"N / Longitude 103°17'08"W). To reach the facility from Eunice, NM drive west on Hwy. 8 for approximately 7 miles. At the Hwy. 8/Hwy. 176 junction continue north on Hwy. 8 for approximately 2 miles to SR-175. Turn left (west) and continue 1.3 miles to the main plant office on the north side of the road.

The proposed revision consists of an increase in condensate loading and hauling from the facility.

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Air Emissions		
Pollutant	Pounds per hour	Tons per year
Oxides of Nitrogen (NOx)	785	850
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PM2.5	6	16
PM10	6	16
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Hydrogen Sulfide (H2S)	280	55

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

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

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, 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,

DCP Midstream, LP
10 Desta Drive, Suite 400 West
Midland, TX 79705

Notice of Non-Discrimination

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General Posting of Notices – Certification

I, Huyng Hong, the undersigned, certify that on **November 19, 2020**, posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the **Eunice City** of **Lea County**, State of New Mexico on the following dates:

1. Facility entrance, Eunice Gas Plant {November 18, 2020}
2. Eunice City Library {November 18, 2020}
3. Eunice Post Office {November 18, 2020}
4. Hobbs Post Office {November 18, 2020}

Signed this 19 day of November, 2020,

Huyng Hong
Signature

11/19/2020
Date

Huyng Hong
Printed Name

Environmental Engineer
Title {APPLICANT OR RELATIONSHIP TO APPLICANT}

NOTICE

NOTICE TO THE PUBLIC

On January 1, 2013, the State of Michigan will begin a new fiscal year. As a result, the State will be unable to process certain requests for information that are received after the close of business on December 31, 2012. Requests for information received after the close of business on December 31, 2012, will be processed in the next fiscal year, beginning on January 1, 2013.

For more information, please contact the Michigan Freedom of Information Act (FOIA) office at (517) 373-3000 or visit our website at www.michigan.gov/foia.

Michigan Freedom of Information Act (FOIA) Office
1000 State Capitol Building
Lansing, Michigan 48906
(517) 373-3000
www.michigan.gov/foia



NOTICE

DO NOT RECENT VEHICLE THEFTS IN TOWN
FINNICK POLICE DEPARTMENT IS RECOMMENDING THAT YOU NOT LEAVE YOUR VEHICLES UNATTENDED AND UNLOCKED AS YOU WALK THEM UP IN THE MORNING. ALSO TO KEEP YOUR VEHICLES LOCKED UP WHEN YOU ARE AT HOME, POST OFFICE, STORE, ETC AND NOT TO LEAVE ANY VALUABLES IN THE CAR OR KEEP THEM OUT OF SIGHT IF YOU DO HAVE THEM IN THE CAR.

FINNICK POLICE DEPARTMENT IS TAKING A PROACTIVE APPROACH AND CHECKING ON VEHICLES THAT ARE BEING WALKED UP IN THE MORNING TO TRY TO STOP THE THEFTS FROM HAPPENING.

IF YOU HAVE ANY QUESTIONS OR WANT TO REPORT AND SUSPICION AT ANY PLEASE GIVE US A CALL AT

575 394 2222



Rural Veterans Coordination Program

The poster includes the following elements:

- Map:** A map of the United States with a blue star on the West Coast.
- Sign:** A yellow sign that says "Welcome to Finnicks".
- Banner:** A banner that says "2000-2009".
- Icons:** Various icons representing veterans' services, including a truck, a house, a person, and a dog.
- Text:** Several sections of text providing information about the program, including "What is the program?", "Who is eligible?", "What services are provided?", and "How to get help".



United States
Census 2020

Take the census
2020census.gov
(844) 330-2020

NOTICE

DCY Children, I.P. announced its application submitted to the New Mexico Transportation Department for an early permit for the installation of a new toll on the I-25. The proposed year of application submitted to the New Mexico Department of Transportation is November 20, 2020.

The location of the facility, known as I-25, is located in the northern portion of the I-25 corridor, near the intersection of I-25 and I-40, approximately 12.5 miles north of the I-25/I-40 interchange. The facility will be a toll plaza with two lanes in each direction. The facility will be a toll plaza with two lanes in each direction. The facility will be a toll plaza with two lanes in each direction.

The proposed location consists of an access to construction building and building from the facility.

The estimated maximum number of any regulated air contaminant will be as follows in pound per year (ppm) and shall change slightly during the course of the Department's review.

Contaminant	Amount per hour	Days per year
Carbon Dioxide (CO2)	750	365
Carbon Monoxide (CO)	5.275	365
Volatile Organic Compounds (VOC)	13.680	365
PM10	4	365
PM2.5	4	365
Particulate Matter (PM)	8.675	365
Total Sulfur	0	365
Ammonia	0	365
Hydrogen Sulfide (H2S)	0	365

The estimated total emissions (excluding the facility) will be 24 tonnes per day, 7.3 tons per week and a maximum of 12 tonnes per year.

The owner and operator of the facility is DCY Children, I.P. at I-25. The facility will be a toll plaza with two lanes in each direction. The facility will be a toll plaza with two lanes in each direction. The facility will be a toll plaza with two lanes in each direction.

With your cooperation, please note to the customer care and facility staff, to call a copy of the notice along with your comments. The information is confidential and the Department will not disclose the information to any other party.

Fill out your questionnaire today
And Help Get Funding for
Your Community!
2020 Census Steps



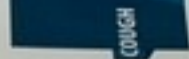
It is important to provide this information to the Census Bureau. The information you provide will be used to help the Census Bureau understand the needs of your community. The information you provide will be used to help the Census Bureau understand the needs of your community.

COVID 19

SYMPTOMS OF COVID-19

Patients with COVID-19 have severe respiratory symptoms.

Symptoms can include



COUGH

FEVER

SHORTNES OF BREATH

Get tested if you have symptoms. If you have symptoms, you should get tested for COVID-19. If you have symptoms, you should get tested for COVID-19.



ATTENT

We clean houses, make and babysit! We can do other jobs as well! We are working!

PLEASE CALL OR TEXT FOR INFO AND PRICES:

NOTICE

DCP Midstream, LP announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its Gas Plant facility. The expected date of application submittal to the Air Quality Bureau is November 20, 2020.

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

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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.

With your comments, please refer to the company name and facility name, or send a copy of this notice along with your comments. This information is necessary since the Department may have not yet received the permit application.

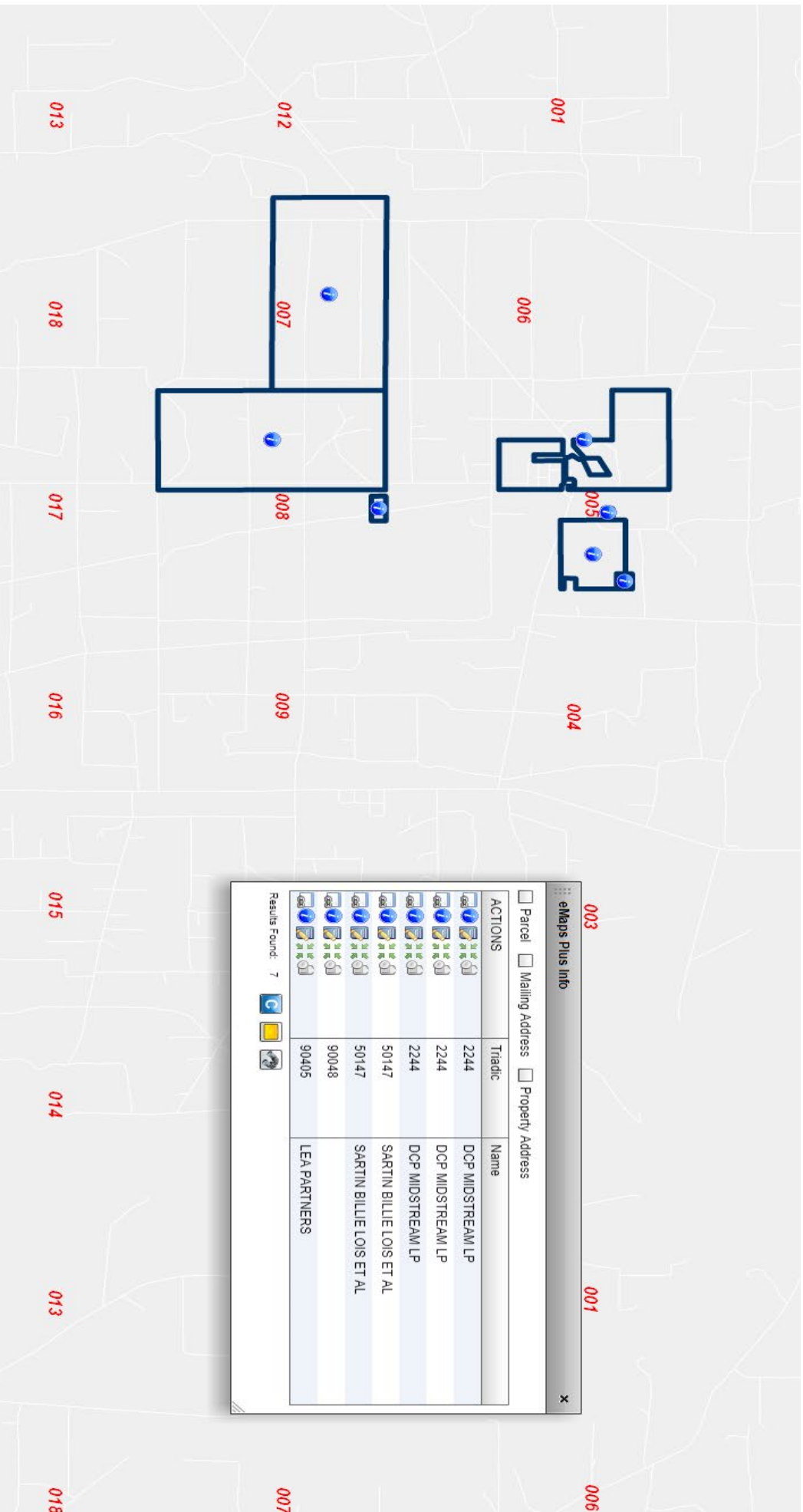
Please include a legible return mailing address. Once the Department has completed its preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, 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.

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eMaps Plus Info

- Parcel
- Mailing Address
- Property Address

ACTIONS	Triadic	Name	Lea Partners
	2244	DCP MIDSTREAM LP	
	2244	DCP MIDSTREAM LP	
	2244	DCP MIDSTREAM LP	
	50147	SARTIN BILLIE LOIS ET AL	
	50147	SARTIN BILLIE LOIS ET AL	
	90048	SARTIN BILLIE LOIS ET AL	
	90405	LEA PARTNERS	

Results Found: 7



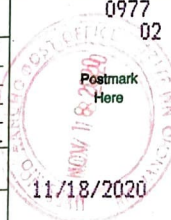
7020 0090 0000 3233 2366

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

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

Eunice, NM 88231

OFFICIAL USE

Certified Mail Fee	\$3.55	0977
\$	\$0.00	02
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.55	
Total Postage and Fees	\$4.10	11/18/2020
Sent To <u>Eunice City Manager's Office</u>		
Street and Apt. No., or PO Box No. <u>1106 Ave. J, PO Box 147</u>		
City, State, ZIP+4® <u>Eunice, NM 88231</u>		

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions


7020 0090 0000 3233 2359

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

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

Lovington, NM 88260

OFFICIAL USE

Certified Mail Fee	\$3.55	0977
\$	\$0.00	02
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.55	
Total Postage and Fees	\$4.10	11/18/2020
Sent To <u>Lea County Manager's Office</u>		
Street and Apt. No., or PO Box No. <u>100 N. Main Avenue</u>		
City, State, ZIP+4® <u>Lovington, NM 88260</u>		

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Submittal of Public Service Announcement – Certification

I, Xavier Chavez, the undersigned, certify that on **November 19, 2020** submitted a public service announcement to **KZOR 94.1 FM** that serves the City of **Hobbs and the surrounding areas, Lea County**, New Mexico, in which the source is or is proposed to be located and that **KZOR DID NOT RESPOND**.

Signed this 19th day of November, 2020

Signature



November 19, 2020

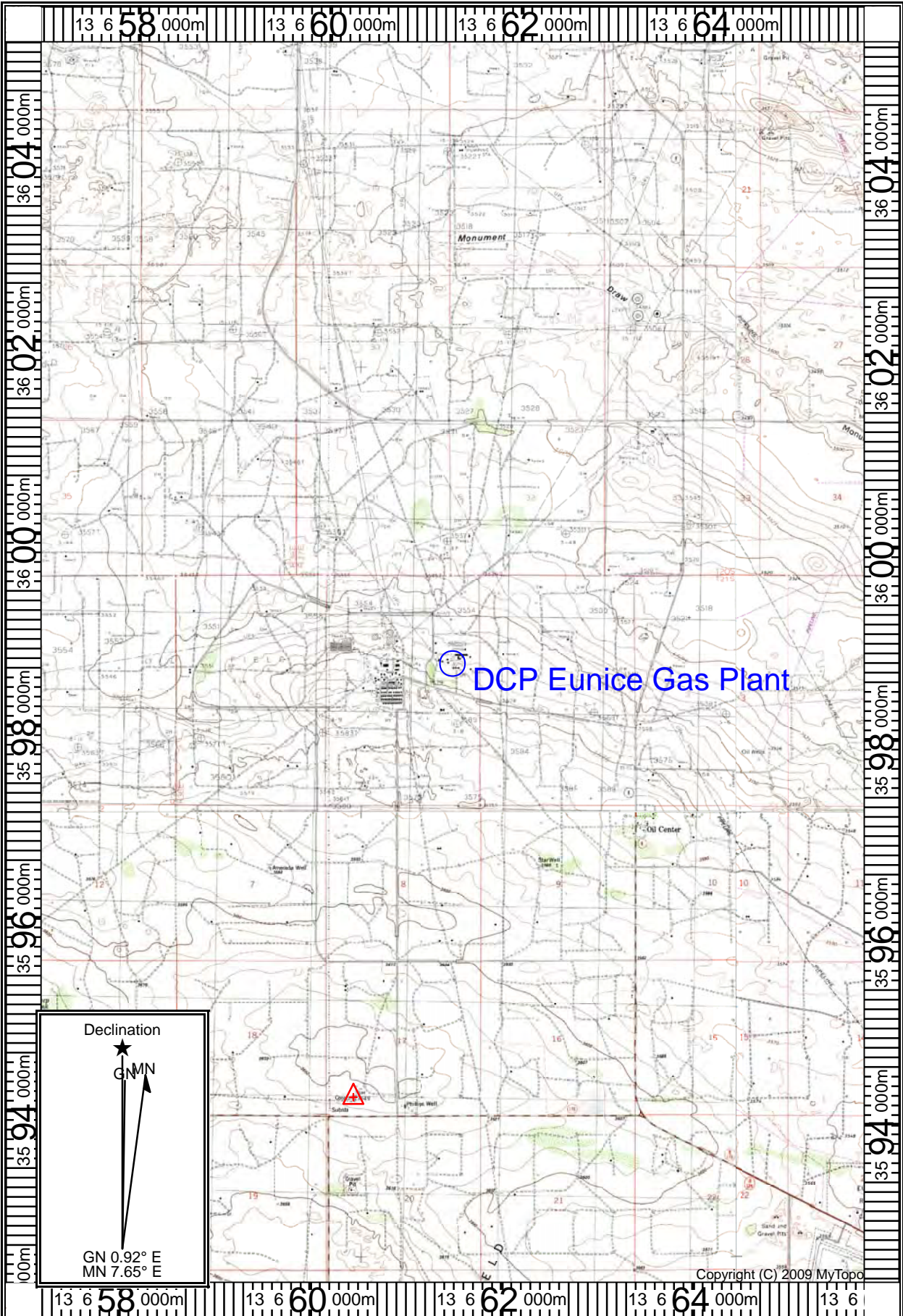
Date

Xavier Chavez

Printed Name

Associate Consultant

Title



Map Name: MONUMENT SOUTH Scale: 1 inch = 4,761 ft. Horizontal Datum: WGS84
 Print Date: 02/29/12 Map Center: 13 0661377 E 35987

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.

Process Description

The Eunice plant is a natural gas processing plant. Natural gas is primarily comprised of methane; however it also contains heavier hydrocarbons that can be condensed into liquids (natural gas liquids or NGLs) at the facility. The inlet gas also contains impurities that must be removed. Common impurities at the Eunice plant include water, hydrogen sulfide (H₂S) gas, and carbon dioxide (CO₂) gas.

The Eunice plant consists of an Inlet Receiving System, Amine Treater, Sulfur Recovery Plant, Inlet Compression Dehydration, Cryogenic/Turbo Expansion Plant with External Propane Refrigeration, and product sales for Residue Gas, NGLs, and Condensate. Supporting systems and operations at the plant include Fuel Gas Systems, Instrument and Starting Air Systems, a Heat Medium (Hot Oil) System, Cooling Towers, Process Flare, Acid Gas Flare, and Drain Systems. Processing operations at the plant include chemical reaction processes, thermodynamic processes, and physical processes.

Amine (MDEA) Treating

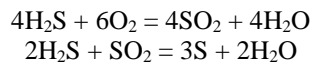
Amine treating is used to remove the acid gases H₂S and CO₂ from the process stream. This is known as gas sweetening. The treating solution is comprised of approximately 25 to 35 percent MDEA (N-methyldiethanolamine) in water. The aqueous mixture is used to remove the acid gases and is then regenerated. The amine treating process is a counter flow process whereby lean MDEA solution is pumped to the top of the amine contactor (vertical trayed tower) and allowed to cascade downward while the sour inlet gas is fed into the bottom of the contactor and flows upward. As lean MDEA flows downward through the contactor, it mixes with the rising sour gas stream. The acid gases within this stream react with the amine to form an amine sulfide complex and carbonate. The amine containing these compounds is referred to as "rich amine". The gas that has been treated is referred to as sweet gas, containing less than 4 ppm H₂S and CO₂. The sweet gas flows to the Molecular Sieve Dehydration system.

The "rich amine" solution containing the reacted H₂S and CO₂ compounds exits the bottom of the contactor and is fed into a flash tank, where any absorbed hydrocarbons are flashed or vaporized from the amine solution prior to its regeneration. Due to weak chemical bonds between the sour gas components and MDEA, the H₂S and CO₂ can be stripped from the MDEA by heating the rich amine solution at low pressures. The rich amine is fed into a stripper column known as a regenerator or still that is operated at high temperature (heat provided by hot oil that is heated by recovered waste heat from turbine exhausts) and low pressure. H₂S and CO₂ and small amounts of hydrocarbons exit the top of the regenerator column and are fed to the sulfur recovery plant (SRU). The regenerated or lean amine is now recirculated to the contractor.

Sulfur Recovery Unit (SRU)

The process stream for this unit is the acid gas stream that flows from the Amine Treater. This unit converts the sulfur containing gases to liquid elemental sulfur. The Eunice plant SRU employs a modified split-flow Claus process that uses two activated alumina catalyst beds in series. The acid gas fed to the SRU varies in content, but usually contains approximately 20 percent H₂S, 71 percent CO₂, 8 percent water, and 1 percent hydrocarbons. Approximately 40 percent of the inlet acid gas stream flows to the reaction furnace where a specific quantity of air is introduced to allow the production of SO₂ and the combustion of any hydrocarbons. Hydrocarbons must be minimized to prevent poisoning of the catalyst beds. The proportions of acid gas and air (air-to-gas ratio) fed to the reactor furnace are controlled to minimize the amount of excess air entering the process. The stream leaving the reactor furnace recombines with the balance of the acid gas feed stream before entering the first catalyst bed. In the catalyst beds the catalyst is not consumed.

The sulfur recovery process can be summarized by the following chemical reactions that demonstrate the conversion of hydrogen sulfide to elemental sulfur:



The chemical reactions that take place inside the system are highly exothermic with normal operating temperatures as high as 650°F. If excess air is fed to the system, runaway reactions and corresponding temperatures as high as 2000°F in the catalyst beds may result. To control the operating temperatures the hot gas streams are cooled by water/steam to condense the sulfur vapor. The resulting liquid/molten sulfur flows to an underground storage tank that is maintained at approximately 280°F. Cooling the catalyst bed outlets with water produces 50 pound utility steam along with steam produced by the reactor furnace boiler. The produced liquid sulfur is transported off-site by specially insulated trucks.

Waste Heat Recovery Units

The Eunice plant waste heat recovery units are used to produce high temperature oil at 350°F by heat transfer to the oil from the exhaust of three of the five (5) Solar turbines. Some of the hot oil is used to supply heat for the stabilizer reboiler. The remainder of the hot oil is used to provide heat to the MDEA reboiler and for heat tracing.

Molecular Sieve Dehydration (Mole Sieves)

Molecular sieves are crystalline aluminosilicate material selected for their ability to adsorb water. Water is removed from the gas by virtue of a weak bond formation between the surface of the molecular sieves and the water in the gas. This bond formation generates a small amount of heat. Fresh molecular sieves can adsorb up to about 10 percent of their weight in water.

Process gas from which the acid gases have been removed is dehydrated to prevent hydrate formation in the TurboExpander process unit. Molecular sieve dehydration is a process involving solid bed adsorption to remove moisture from the inlet gas. There are two (2) towers packed with molecular sieves at the Eunice Plant. The molecular sieves are Type 3A (pore size designation) and adsorb minor amounts of H₂S along with the water. These trace contaminants are released back into the gas during the regeneration cycle but are sufficiently minor as not to affect the marketability of the gas.

Sweet gas (post-amine treatment), at approximately 525 psig, flows from the top of the molecular sieve tower to the bottom of the tower. As the gas flows downward the molecular sieves adsorb water and other trace contaminants. The moisture content of the molecular sieves is monitored and once they become saturated they must be regenerated. Regeneration of a tower is accomplished by passing hot (360°F+) residue gas through the tower from the bottom to the top. The hot gas breaks the weak bonds between water and desiccant, absorbs the water, and removes it from the tower. After flowing from the tower the wet regeneration residue gas is cooled and the water condenses out of the stream and separated from the gas in a separator. The gas then flows through the glycol contactor to remove any remaining moisture before flowing to the residue gas sales stream.

Cryogenic/Turbo Expander Plant

The expander plant is designed to liquefy natural gas liquids from the sweet dehydrated inlet gas stream by removing work (heat) from the gas by means of the “turbo expander”. The expander reduces the temperature and pressure of the inlet gas stream. At the reduced temperature and pressure, the ethane, propane, butane and heavier components contained in the inlet stream tend to liquefy.

Once the inlet gas stream has been treated to remove acid gases and dehydrated, it is filtered and enters the suction side of the Solar turbine-driven inlet gas compressors. These compressors compress the inlet gas stream from 510 psig to 910 psig. Each Solar inlet gas compressor will compress approximately 39,162 mscf/day of gas at design conditions. The two (2) Waukesha portable inlet gas compressors are each designed to compress approximately 11,550 mscf/day at design conditions.

The turbo expander used in the plant is simply a highly efficient turbine operating on the same principle as the more familiar steam turbine, but with the prime objective being the reduction of the temperature of the gas rather than obtaining power. The power that is produced is a byproduct that is used to increase the residue gas stream pressure by driving the boost compressor wheel on a common shaft.

The inlet gas stream is a “rich” gas stream, meaning that it contains relatively large amounts of vapor/liquid components. As such, it is impractical to recover all of the natural gas liquids without the addition of an external mechanical refrigeration (propane) system. The inlet gas stream flows through a propane-cooled chiller located upstream of the turbo expander. In this chiller a considerable amount of heat is removed from the gas.

There are three (3) separators that are used to separate the NGLs that are formed at the different temperature levels in the separation process. The liquids feed the demethanizer at three different levels to maintain demethanizer internal temperature. Liquids from the separators in the process are fed to the different levels of the demethanizer via nozzles.

The purpose of the heat exchangers, excluding the demethanizer reboiler, is to maximize the thermal efficiency of the process (recover all possible refrigeration capacity) consistent with economics. By this method the inlet gas is cooled while the residue gas is warmed. This process is automatically controlled and optimized through various inter-related control schemes. The control system for the plant is referred to as the DCS or Distributive Control System. The DCS not only controls the plant automatically, it also collects and records the plant data.

In the demethanizer the methane is separated from ethane and heavier components. The only heat required, other than that from the inlet gas, is in the bottom reboiler. Only sufficient heat is added to keep small amounts of methane in the bottom NGL product. The NGL product is pumped from the demethanizer through two NGL storage tanks and out of the plant to the Chevron-Phillips Pipeline.

Residue gas comprised primarily of methane leaves the top of the demethanizer and goes through the series of heat exchangers. It exchanges heat with the inlet gas and then goes to the boost compressor. The residue gas “adds work” (heat) to the expander and tends to act as a “brake” to keep the expander from operating at too high a rate.

Propane Refrigeration System

The purpose of the propane refrigeration system is to help cool the inlet gas to enhance the ethane recovery of the gas being processed. The refrigeration system is a closed system supplying propane refrigerant by means of compression/evaporation to the inlet gas chiller.

Cooling Water System

The cooling water system employs a thermodynamic process that provides cooling for process and utility services. Water is circulated from the cooling towers to various heat exchangers and then back to the cooling towers.

To minimize corrosion, scaling, and fouling of plant equipment chemicals are added to the cooling water. The make-up water to the cooling system is very alkaline; consequently sulfuric acid is added to the cooling water to maintain its pH between approximately 7.0 and 7.4. Water-based corrosion inhibitors are also added. One of the corrosion inhibitors also contains a dispersant that is specifically formulated to prevent the formation of calcium phosphate deposits.

The cooling water system is open to the atmosphere. As such microbiological growth and contamination can be problematic. This problem is mitigated by the addition of chlorine and a solvent-based antimicrobial agent to the cooling water system to kill slime and algae.

Stabilized Product System

The stabilized product system is a heat-added process that is used to reduce the vapor pressure of the inlet condensate. Inlet liquids are sent to the stabilizer feed tank where the pressure is reduced to approximately 70m psig, allowing certain light hydrocarbons to flash to the gathering system. From the stabilizer feed tank the liquid condensate is fed to the stabilizer tower where the pressure is further reduced to 20 to 25 psig. Simultaneously the temperature is increased to 250°F to flash more of the light hydrocarbons. Liquids are sent to the stabilized condensate storage tank and transferred via the South LACT unit to the Plains Pipeline or are trucked out.

Treated Oil System

The treated oil system is a heat-added process that is used to break emulsions and remove water from gathering system liquids that are brought into the plant from booster and drip stations. Crude condensate/water mixtures are hauled into the facility from the gathering system and offloaded to 500-barrel atmospheric tanks for coarse settling. The liquid is pumped through a heater treater where heat and chemical are employed to break unwanted emulsions and to separate the product from water. The water portion is transferred to atmospheric water tanks from which it is disposed of in the Rice Engineering Water Disposal System. The condensate is collected in the Finished Oil tank from which it is transferred via the North LACT unit to the Plains Pipeline.

Section 11

Source Determination

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

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

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

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

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

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

Yes **No**

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

Yes **No**

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

Yes **No**

C. Make a determination:

The source, as described in this application, constitutes the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes. If in "A" above you evaluated only the source that is the subject of this application, all "YES" boxes should be checked. If in "A" above you evaluated other sources as well, you must check **AT LEAST ONE** of the boxes "NO" to conclude that the source, as described in the application, is the entire source for 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC applicability purposes.

The source, as described in this application, **does not** constitute the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes (A permit may be issued for a portion of a source). The entire source consists of the following facilities or emissions sources (list and describe):

Section 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 1 – PSD Source Categories. The “project” emissions for this modification are **not significant. The increase in VOC and PM emission are less than the significant thresholds reported in 20.2.74.502 Table 2.** The “project” emissions listed below only result from changes described in this permit application, thus no emissions from other **revisions or modifications, past or future** to this facility. De-bottlenecking will not occur with this modification. The project emissions (before netting) for this project are as follows:

- a. NO_x: -- TPY
- b. CO: -- TPY
- c. VOC: **2.46** TPY
- d. SO_x: -- TPY
- e. PM: **0.12** TPY
- f. PM₁₀: **0.12** TPY
- g. PM_{2.5}: **0.012** TPY
- h. Fluorides: -- TPY
- i. Lead: -- TPY
- j. Sulfur compounds (listed in Table 2): -- TPY
- k. GHG: -- TPY

C. **Netting is not required as this project is not significant.**

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

E. This is an existing PSD major source. This modification is not related to any other permit modifications and is considered to be a single project. As the emissions for this project are less than the significance levels reported in 20.2.74.502 Table 2, a PSD modification is not triggered.

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 REGULATIONS</u> CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQs	No	N/A	20.2.3 NMAC is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentration of Total Suspended Particulates, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. Per 20.2.3.9 NMAC, the requirements of this part are not applicable requirements under 20.2.70 NMAC, as defined by that part. This section does not limit the applicability of this part to sources required to obtain a permit under 20.2.72 NMAC, nor does it limit which terms and conditions of permits issued pursuant to 20.2.72 NMAC are applicable requirements for permits issued pursuant to 20.2.70 NMAC.
20.2.7 NMAC	Excess Emissions	Yes	Facility	Since the facility and individual pieces of equipment are subject to emissions limits under a permit or numerical emissions standards in a federal or state regulation, this part applies.
20.2.23 NMAC	Fugitive Dust Control	No	N/A	This regulation does not apply as the facility has no need to fugitive dust control measures as the facility does not generate enough particulate matter.
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	The Eunice plant does not have existing gas burning equipment with a heat input of greater than 1,000,000 million British Thermal Units per year per unit
20.2.34 NMAC	Oil Burning Equipment: NO ₂	No	N/A	The Eunice plant does not have oil burning equipment with a heat input of greater than 1,000,000 million British Thermal Units per year per unit.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	Yes	Amine-01, 112A, 114A, 31, 113	Portions of the Eunice plant (those modified after July 1, 1974) are subject to the requirements of NMAC 2.35 for “New Natural Gas Processing Plants for which a modification commenced on or after July 1, 1974.
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	N/A	N/A	These regulations were repealed by the Environmental Improvement Board. If you had equipment subject to 20.2.37 NMAC before the repeal, your combustion emission sources are now subject to 20.2.61 NMAC.
20.2.38 NMAC	Hydrocarbon Storage Facility	No	N/A	There are no tanks or tank batteries at the Eunice plant that meet the storage capacity and weekly throughput requirements that would trigger this requirement.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	Not applicable because this regulation is superseded by 20.2.35 NMAC that applies to the SRU as part of a natural gas processing plant.
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	31, 111, 112A, 113, 114A, combustion units	This regulation that limits opacity to 20% applies to Stationary Combustion Equipment, such as engines, boilers, heaters, and flares unless the equipment is subject to another state regulation that limits particulate matter such as 20.2.19 NMAC (see 20.2.61.109 NMAC). This regulation is applicable to units 31, 111, 112a, 113, 114A, and other combustion units.
20.2.70 NMAC	Operating Permits	Yes	Facility	The Eunice plant is a major source for the following criteria pollutants: NO _x , CO, SO ₂ , and VOC.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	Since the facility is subject to 20.2.70 NMAC and its permit includes numerical ton per year emission limits, Eunice plant is subject to 20.2.71 NMAC.
20.2.72 NMAC	Construction Permits	Yes	Facility	The Eunice plant is subject to 20.2.72 NMAC and NSR Permit number: 0044M10R6.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	This requirement is applicable because the Eunice plant is a major Title V source and must submit an annual emissions inventory.

<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.)
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	Yes	Facility	Applicable because the Eunice plant has PTE in excess of 250 tpy for NO _x , CO, and SO ₂ ; however, renewal of the Title V Operating Permit does not trigger PSD requirements.
20.2.75 NMAC	Construction Permit Fees	No	N/A	This regulation does not apply as DCP is not submitting this application pursuant to 20.2.72, 20.2.73, 20.2.74, and/or 20.2.79 NMAC.
20.2.77 NMAC	New Source Performance	Yes	Units subject to 40 CFR 60	This is a stationary source which is subject to the requirements of 40 CFR Part 60.
20.2.78 NMAC	Emission Standards for HAPS	No	N/A	The Eunice plant does not emit hazardous air pollutants or have hazardous air pollutant emitting activities which are subject to the requirements of 40 CFR Part 61, as amended through January 31, 2009.
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	The Eunice plant is not located in a nonattainment area.
20.2.80 NMAC	Stack Heights	No	N/A	Not applicable to any stacks at the Eunice plant.
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	Units Subject to 40 CFR 63	This regulation is applicable since unit 28/28A is subject to area source provisions under 40 CFR 63, Subpart HH.

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

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
40 CFR 50	NAAQS	Yes	Facility	Defined as applicable at 20.2.70.7.E.11.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	Units subject to 40 CFR 60	Applies to the facility since Subparts in 40 CFR 60 apply to units 111, 112A, 113, 114A.
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for Electric Utility Steam Generating Units	No	N/A	The Eunice plant does not have units to which this regulation applies.
NSPS 40 CFR60.40b Subpart Db	Electric Utility Steam Generating Units	No	N/A	The Eunice plant does not have units to which this regulation applies.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial- Commercial- Institutional Steam Generating Units	No	N/A	The Eunice plant does not have units to which this regulation applies.
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	The Eunice plant does not have units to which this regulation applies.
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	Yes	TK-3, TK- 12A, TK- 12B, TK- 25A, TK- 26A, TK-86, TK-87	The Eunice plant has storage vessels with a capacity greater than or equal to 75 cubic meters (m3) that are used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification commenced after July 23, 1984
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	Yes	18B, 19A, 25A, and 26A	The listed units have a heat input capacity which is greater than the 10 MMBtu/hr threshold. These units were installed after the October 3, 1977 applicability date.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	Yes	Inlet receiving and inlet compression (includes 14, 15, 21,	Affected Facility with Leaks of VOC from Onshore Gas Plants. Any affected facility under paragraph (a) of this section that commences construction, reconstruction, or modification after January 20, 1984, is subject to the requirements of this subpart. The group of all equipment (each pump, pressure relief device, open-ended valve or line, valve, compressor, and flange or other connector that is in VOC service or in wet gas service, and any device or

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
			22, 25A, 26A, C-1, C-2, C-3, 112A, 114A), LOAD	system required by this subpart) except compressors (defined in § 60.631) within a process unit is an affected facility. A compressor station, dehydration unit, sweetening unit, underground storage tank, field gas gathering system, or liquefied natural gas unit is covered by this subpart if it is located at an onshore natural gas processing plant. If the unit is not located at the plant site, then it is exempt from the provisions of this subpart.
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions	No	N/A	The Eunice plant is a natural gas processing plant, including a sweetening unit followed by a sulfur recovery unit, constructed prior to the applicability date of this regulation.
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	No	N/A	Per Subpart 60.5365, the Eunice plant is a gas processing facility that is not subject to this subpart because the facility has not commenced construction, modification or reconstruction after August 23, 2011.
NSPS 40 CFR Part 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	No	N/A	The Eunice plant is a gas processing facility that is not subject to this subpart because the facility has not commenced construction, modification or reconstruction after September 18, 2015.
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	N/A	There are no stationary compression ignition internal combustion engines at the Eunice plant that are subject to this regulation.
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	No	N/A	None of the RICE at the Eunice plant were constructed or reconstructed after the applicability date of this regulation.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	The Eunice plant does not have any units subject to this subpart.

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	The Eunice plant does not have any units subject to this subpart.
NSPS 40 CFR 60, Subparts WWW, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	Does not apply since none of the Subparts in 40 CFR 61 apply to the facility.
NESHAP 40 CFR 61 Subpart A	General Provisions	No	N/A	The provisions of this subpart are applicable to those stationary sources which process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, and incinerate or dry wastewater treatment plant sludge. The Eunice plant does not process mercury so this regulation does not apply to the facility.
NESHAP 40 CFR 61 Subpart E	National Emission Standards for Mercury	No	N/A	Not applicable as the Eunice plant equipment does not operate in VHAP service [VHAP service means a piece of equipment either contains or contacts a fluid (liquid or gas) that is at least 10 percent by weight of VHAP]. VHAP means a substance regulated under this subpart for which a standard for equipment leaks of the substance has been promulgated.
NESHAP 40 CFR 61 Subpart V	National Emission Standards for Equipment Leaks (Fugitive Emission Sources)	Yes	Units Subject to 40 CFR 63	Applies because 40 CFR 63, Subpart HH applies to Units 28/28A.
MACT 40 CFR 63, Subpart A	General Provisions	Yes	28/28A	Only the area source provisions of this regulation apply to the listed units.
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	No	N/A	The Eunice plant is not a transmission and storage facility.
MACT 40 CFR 63 Subpart HHH	Natural Gas Transmission and Storage Facilities	No	N/A	The Eunice plant does not have any boilers or process heaters subject to this regulation.
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	No	N/A	The Eunice plant does not have any units subject to this regulation.
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	Yes	14, 15, 16, 20, 21, 22, C-1, C-2, C-3	The listed units are existing (construction commenced prior to June 12, 2006) non-emergency stationary RICE located at an area source of HAPs. These units must comply with the emission limitations in 40 CFR 63.6603 and Table 2d to the subpart by October 19, 2013.

<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	TK-GLN	This subpart establishes national emission limitations and management practices for hazardous air pollutants (HAP) emitted from the loading of gasoline storage tanks at gasoline dispensing facilities (GDF). Unit TK-GLN is subject to this regulation.
40 CFR 64	Compliance Assurance Monitoring	No	N/A	No emission units at the Eunice plant have uncontrolled emissions at or above the major source thresholds.
40 CFR 68	Chemical Accident Prevention	Yes	Facility	The Eunice plant has quantities of materials regulated by 40 CFR 68 that are in excess of the triggering threshold.
Title IV – Acid Rain 40 CFR 72	Acid Rain	No	N/A	The Eunice plant is not regulated by the acid rain program.
Title IV – Acid Rain 40 CFR 73	Sulfur Dioxide Allowance Emissions	No	N/A	The Eunice plant is not regulated by the acid rain program.
Title IV-Acid Rain 40 CFR 75	Continuous Emissions Monitoring	No	N/A	The Eunice plant is not regulated by the acid rain program.
Title IV – Acid Rain 40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	No	N/A	The Eunice plant is not regulated by the acid rain program.
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	No	N/A	Not Applicable –facility does not “service”, “maintain” or “repair” class I or class II appliances nor “dispose” of the appliances.
CAA Section 112(r)	Chemical Accident Prevention Provisions	Yes	Facility	Linam Ranch is subject to the chemical accident prevention provisions of the Clean Air Act.

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.
-

DCP Operating Company, LP has developed an Operational Plan to Mitigate Source Emission during Malfunction, Startup or Shutdown as required by 20.2.72.203.A.5 NMAC. This plan is available at the project site for evaluation and review.

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).

DCP understands this term to apply to one or more sources that may routinely operate with alternative fuels or raw materials and/or on a significantly different schedule and that may potentially cause a different emission profile. Based on this understanding, the Eunice plant does not have any alternative operating scenarios.

Units at the Eunice plant may be shut down periodically due to numerous factors including but not limited to market demand, maintenance and repair, malfunctions, and emergency situations. Operating in alternative modes and temporary shutdowns are not alternative operating scenarios as DCP understands and interprets the meaning of this term. Rather, these events constitute normal processing fluctuations for the midstream industry.

Section 16

Air Dispersion Modeling

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

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

Check each box that applies:

- See attached, approved modeling **waiver for all** pollutants from the facility.
- See attached, approved modeling **waiver for some** pollutants from the facility.
- Attached in Universal Application Form 4 (UA4) is a **modeling report for all** pollutants from the facility.
- Attached in UA4 is a **modeling report for some** pollutants from the facility.
- No modeling is required.

Section 17

Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

To save paper and to standardize the application format, delete this sentence and the samples in the Compliance Test History Table, and begin your submittal for this attachment on this page.

Compliance Test History Table

Unit No.	Test Description	Test Date
C-1	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	2/23/2011 5/9/2011 8/5/2011 11/10/2011
C-2	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	2/23/2011 5/9/2011 8/5/2011 11/9/2011
C-3	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	2/23/2011 5/9/2011 8/5/2011 11/10/2011
14	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	1/31/2011 4/27/2011 7/25/2011 10/26/2011 1/30/2012 5/1/2012 1/15/2015 5/16/2015
15	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	1/31/2011 4/27/2011 7/25/2011 10/26/2011 1/30/2012 5/1/2012 1/18/2015 5/16/2015 3/7/2016 5/16/2016 9/6/2016 5/16/2017
16	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	2/4/2011 4/26/2011 7/29/2011 10/25/2011 2/2/2012 7/20/2012 2/5/2015 5/7/2015 11/15/2015

17A	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M10-R2	3/7/2016
18B	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M10-R2	12/13/2016
19A	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M10-R2	9/8/2015 5/16/2016 12/14/2016 11/22/2017
20	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	2/4/2011 4/26/2011 7/29/2011 10/26/11 2/2/2012 2/5/2015 5/7/2015 3/7/2016 9/15/2016 2/2/2017 5/16/2017 8/15/2017
21	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	1/31/2011 4/25/2011 7/29/2011 3/1/2012
22	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M9-R2.	2/4/2011 4/29/2011 7/29/2011 10/26/2011 2/2/2012 7/19/2012
25A	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M10-R2	12/14/2016 11/22/2017
26A	Tested in accordance with EPA test methods for NO _x and CO as required by NSR Permit No. 0044-M10-R2	12/14/2016 11/22/2017
1,2	Tested in accordance with EPA test methods for NO _x and CO as required by Title V permit P500.	4/13/2004
3	Tested in accordance with EPA test methods for NO _x and CO as required by NSR permit 2923M1.	5/12/2005

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: DCP midstream

I, Hyung Hong, 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 19 day of November, 2020, upon my oath or affirmation, before a notary of the State of

Hyung Hong
*Signature

11/19/2020
Date

Hyung Hong
Printed Name

Environmental Engineer
Title

Scribed and sworn before me on this 19 day of November, 2020.

My authorization as a notary of the State of NEW YORK expires on the

8 day of January, 2022.

Camile Taylor
Notary's Signature

11/19/2020
Date

Camile Taylor
Notary's Printed Name

CAMILE TAYLOR
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01TA6137717
Qualified in Nassau County
Commission Expires January 8, 2022

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