



December 3, 2024

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

Subject: Revision to New Source Review Permit No. 1092M10R3
 Jal #3 Gas Plant
 Lea County, New Mexico
 ET Gathering & Processing LLC

Dear Sir/Madam:

ET Gathering & Processing LLC (ETGP), is submitting the enclosed Revision to New Source Review (NSR) No. 1092M10R3 for the Jal #3 Gas Plant, which is located approximately 4 miles north-northeast of Jal in Lea County, New Mexico. The facility is a natural gas gathering and boosting station with gas sweetening, dehydration and an acid gas injection well.

With this application, ETGP plans to modify the emissions associated with Startup, Shutdown and Maintenance (SSM) emissions from flares 9F and 10F to reallocate the flaring of gas during periods of acid gas injection compressor downtime. The amine sweetening and glycol dehydration system simulations are also updated.

Sources are also being removed in this application that include removal of the Gas Plant Flare (Unit Number 8F), and a set of storage vessels to include three (3) Scrubber Liquids Tanks (Unit Numbers TK-3, TK-4, and TK-46).

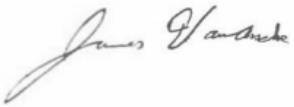
Updates to regulatory applicability for compressor engines and fugitive equipment leaks are also incorporated.

An administrative update to rename the remaining existing plant flares is also incorporated as Unit Number 9F will be described as the Acid Gas Flare and Unit Number 10F will be described as the Plant Flare.

To authorize the change in equipment, ETGP is submitting this application, which has been prepared in accordance with the requirements set forth in NMAC 20.2.72.219.D.1.

If you have any questions or need any additional information, please contact me at 214-840-5217 or by email at james.vanassche@energytransfer.com.

Sincerely,

A handwritten signature in black ink, appearing to read "James VanAssche". The signature is written in a cursive style with a large, sweeping initial "J".

Mr. James VanAssche
Senior Environmental Specialist

Enclosure: GCP O&G Revision Application

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

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

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

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

Acknowledgements:

- ☒ I acknowledge that a pre-application meeting is available to me upon request. ☐ Title V Operating, Title IV Acid Rain, and NPR applications have no fees.
- ☒ \$500 NSR application Filing Fee enclosed **OR** ☐ The full permit fee associated with 10 fee points (required w/ streamline applications).
- ☒ Check No.: **213027526** in the amount of \$500.00
- ☒ I acknowledge the required submittal format for the hard copy application is printed double sided 'head-to-toe', 2-hole punched (except the Sect. 2 landscape tables is printed 'head-to-head'), numbered tab separators. Incl. a copy of the check on a separate page.
- ☒ I acknowledge there is an annual fee for permits in addition to the permit review fee: www.env.nm.gov/air-quality/permit-fees-2/.
- ☐ This facility qualifies for the small business fee reduction per 20.2.75.11.C. NMAC. The full \$500.00 filing fee is included with this application and I understand the fee reduction will be calculated in the balance due invoice. The Small Business Certification Form has been previously submitted or is included with this application. (Small Business Environmental Assistance Program Information: www.env.nm.gov/air-quality/small-biz-eap-2/.)

Citation: Please provide the **low level citation** under which this application is being submitted: **20.2.72.219.D.1.a NMAC** (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: 569	Updating Permit/NOI #: 1092M10R3
1	Facility Name: Jal #3 Gas Plant	Plant primary SIC Code (4 digits): 4922	
		Plant NAIC code (6 digits): 211130	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): The facility is 4 miles north-northeast of Jal, NM.		
2	Plant Operator Company Name: ET Gathering & Processing LLC	Phone/Fax: 432-557-4530	

a	Plant Operator Address: 1706 South Midkiff Road, Midland, TX 79701	
b	Plant Operator's New Mexico Corporate ID or Tax ID:	
3	Plant Owner(s) name(s): ET Gathering & Processing LLC	Phone/Fax: 432-557-4530
a	Plant Owner(s) Mailing Address(s): 1706 South Midkiff Road, Midland, TX 79701	
4	Bill To (Company): ET Gathering & Processing LLC	Phone/Fax: 432-557-4530
a	Mailing Address: 1706 South Midkiff Road, Midland, TX 79701	E-mail: tanner.foster@energytransfer.com
5	<input checked="" type="checkbox"/> Preparer: James VanAssche – ET Gathering & Processing LLC <input type="checkbox"/> Consultant:	Phone/Fax: 214-840-5217
a	Mailing Address: 1706 South Midkiff Road, Midland, TX 79701	E-mail: james.vanassche@energytransfer.com
6	Plant Operator Contact: Tanner Foster	Phone/Fax: 432-557-4530
a	Address: 1706 South Midkiff Road, Midland, TX 79701	E-mail: tanner.foster@energytransfer.com
7	Air Permit Contact: Tanner Foster	Title: Environmental Specialist
a	E-mail: tanner.foster@energytransfer.com	Phone/Fax: 432-557-4530
b	Mailing Address: 1706 South Midkiff Road, Midland, TX 79701	
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):
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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-090-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:
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:
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: 1092-M10R3
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:

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: 2.92 MMscf	Daily: 70 MMscf	Annually: 25,550 MMscf
b	Proposed	Hourly: 2.92 MMscf	Daily: 70 MMscf	Annually: 25,550 MMscf
2	What is the facility's maximum production rate, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: 2.92 MMscf	Daily: 70 MMscf	Annually: 25,550 MMscf
b	Proposed	Hourly: 2.92 MMscf	Daily: 70 MMscf	Annually: 25,550 MMscf

Section 1-D: Facility Location Information

1	Latitude (decimal degrees): 32.174281	Longitude (decimal degrees): -103.174134	County: Lea	Elevation (ft): 3260
2	UTM Zone: <input type="checkbox"/> 12 or <input checked="" type="checkbox"/> 13		Datum: <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> WGS 84	
a	UTM E (in meters, to nearest 10 meters): 672129		UTM N (in meters, to nearest 10 meters): 3561167	
3	Name and zip code of nearest New Mexico town: Jal, 88252			
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): The facility is 4 miles north-northeast of Jal, NM.			
5	The facility is 4 (distance) miles north-northeast (direction) of Jal (nearest town).			
6	Land Status of facility (check one): <input checked="" type="checkbox"/> Private <input type="checkbox"/> Indian/Pueblo <input type="checkbox"/> Government <input type="checkbox"/> BLM <input type="checkbox"/> Forest Service <input type="checkbox"/> Military			
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: Jal, NM; Indian Tribes: None; Counties: Lea (NM)			
8	20.2.72 NMAC applications only: Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/air-quality/modeling-publications/)? <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: 10.1 km from Texas			
9	Name nearest Class I area: Carlsbad Caverns National Park			
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): 112.6 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: 2030 meters			
12	Method(s) used to delineate the Restricted Area: "Restricted Area" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.			
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No A portable stationary source is not a mobile source, such as an automobile, but a source that can be installed permanently at one location or that can be re-installed at various locations, such as a hot mix asphalt plant that is moved to different job sites.			
14	Will this facility operate in conjunction with other air regulated parties on the same property? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, what is the name and permit number (if known) of the other facility?			

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 checked="" type="checkbox"/> AM <input type="checkbox"/> PM
3	Month and year of anticipated start of construction: N/A			
4	Month and year of anticipated construction completion: N/A			
5	Month and year of anticipated startup of new or modified facility: Upon permit approval			
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:
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a	If yes, NOV date or description of issue:	NOV Tracking No:	
b	Is this application in response to any issue listed in 1-F, 1 or 1a above? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide the 1c & 1d info below:		
c	Document Title:	Date:	Requirement # (or page # and paragraph #):
d	Provide the required text to be inserted in this permit:		
2	Is air quality dispersion modeling or modeling waiver being submitted with this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
3	Does this facility require an "Air Toxics" permit under 20.2.72.400 NMAC & 20.2.72.502, Tables A and/or B? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4	Will this facility be a source of federal Hazardous Air Pollutants (HAP)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
a	If Yes, what type of source? <input 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: _____ Commercial power is purchased from a commercial utility company, which specifically does not include power generated on site for the sole purpose of the user.		

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

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

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

1	Responsible Official (R.O.) (20.2.70.300.D.2 NMAC): Toby Clark		Phone: 432-614-9387
a	R.O. Title: VP - Operations	R.O. e-mail: toby.clark@energytransfer.com	
b	R. O. Address: 1706 South Midkiff Road, Midland, TX 79701		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): Jesus Martinez		Phone: 432-213-7840
a	A. R.O. Title: Director - Operations	A. R.O. e-mail: jesus.martinez@energytransfer.com	
b	A. R. O. Address: 801 S Loop 464, Monahans, TX 79756		
3	Company's Corporate or Partnership Relationship to any other Air Quality Permittee (List the names of any companies that have operating (20.2.70 NMAC) permits and with whom the applicant for this permit has a corporate or partnership relationship):		
4	Name of Parent Company ("Parent Company" means the primary name of the organization that owns the company to be permitted wholly or in part.): Energy Transfer Equity, L.P.		
a	Address of Parent Company: 8111 Westchester Dr, Dallas, TX 75225		
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: Tanner Foster, 432-557-4530		
7	Affected Programs to include Other States, local air pollution control programs (i.e. Bernalillo) and Indian tribes: Will the property on which the facility is proposed to be constructed or operated be closer than 80 km (50 miles) from other states, local pollution control programs, and Indian tribes and pueblos (20.2.70.402.A.2 and 20.2.70.7.B)? If yes, state which ones and provide the distances in kilometers: Texas, 10.1 km		

Section 1-I – Submittal Requirements

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

Hard Copy Submittal Requirements:

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

Electronic files sent by (check one):

☐ CD/DVD attached to paper application

☒ Secure electronic transfer. Air Permit Contact Name James VanAssche, Email james.vanassche@energytransfer.com

Phone number 214-840-5217.

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

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

Version Date	Changes Incorporated
April 1, 2021	Current version of this form. Older versions are not accepted.
July 12, 2023	Removed Section, Township, Range, and NAD 27, changed font to Calibri, inserted active checkboxes.

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 #	Manufact- urer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ²	Controlled by Unit #	Source Classi- fication 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 #				
C1	Natural Gas Compressor Engine	Caterpillar	G3612TALE	1YG00065	3550	3550	8/7/2018	C1	20200254	<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	
							2019	C1				
C2	Natural Gas Compressor Engine	Caterpillar	G3612TALE	BKE00660	3550	3550	1/2/2008	C2	20200254	<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	
							2016	C2				
C3	Natural Gas Compressor Engine	Caterpillar	G3612TALE	BKE00662	3550	3550	1/2/2008	C3	20200254	<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	
							2016	C3				
C4	Natural Gas Compressor Engine	Caterpillar	G3612TALE	BKE00659	3550	3550	1/2/2008	C4	20200254	<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	
							2016	C4				
C5	Natural Gas Compressor Engine	Caterpillar	G3606	JFE01462	1875	1875	5/28/2019	C5	20200254	<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	
							2023	C5				
C6	Natural Gas Compressor Engine	Caterpillar	G3606	JFE01465	1875	1875	5/1/2019	C6	20200254	<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	
							2023	C6				
12H	Regeneration Gas Heater	TBD	N/A	TBD	28 MMbtu/hr	28 MMbtu/hr	TBD	N/A	31000404	<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		
							TBD	N/A				
13H	Dehy Reboiler	TBD	N/A	TBD	2.0 MMbtu/hr	2.0 MMbtu/hr	TBD	N/A	31000404	<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		
							TBD	N/A				
14H	Stabilizer Heater	Heatec	HCI-6010-30- G	HI14-220	10 MMbtu/hr	10 MMbtu/hr	4/1/2015	N/A	31000404	<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		
							2023	N/A				
8F	Gas Plant Flare	John Zink	N/A	N/A	10 MMcf/d	10 MMcf/d	Unknown	N/A	31000215	<input type="checkbox"/> Existing (unchanged) <input checked="" 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		
							1971	8F				
9F	Acid Gas Flare	John Zink	N/A	N/A	2.9 MMcf/d	2.9 MMcf/d	Unknown	N/A	31000215	<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		
							1993	9F				
10F	Plant Flare	John Zink	N/A	N/A	75 MMcf/d	75 MMcf/d	Unknown	N/A	31000215	<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		
							1950	10F				
TK-3	Scrubber Liquids Tank	N/A	N/A	N/A	8,820 gal	8,820 gal	Unknown	N/A	40400301	<input type="checkbox"/> Existing (unchanged) <input checked="" 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		
							1970	N/A				
TK-4	Scrubber Liquids Tank	N/A	N/A	N/A	8,820 gal	8,820 gal	Unknown	N/A	40400301	<input type="checkbox"/> Existing (unchanged) <input checked="" 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		
							1970	N/A				
TK-46	Scrubber Liquids Tank	N/A	N/A	N/A	4,512 gal	4,512 gal	Unknown	N/A	40400301	<input type="checkbox"/> Existing (unchanged) <input checked="" 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		
							1970	N/A				

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufact- urer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ²	Controlled by Unit #	Source Classi- fication 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 #				
FUG1	Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	8F-10F	31088811	<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	8F-10F				
FUG2	Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	9F	31088811	<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	9F				
DR2	Dehydrator Regenerator (with condenser)	TBD	N/A	TBD	70 MMscfd	70 MMscfd	TBD	9F	31000301	<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		
							TBD	9F				
LOADOUT	Condensate Truck Loadout	N/A	N/A	N/A	800 bbl/day	800 bbl/day	Unknown	N/A	40400301	<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		
							Unknown	N/A				
SSM/M	Startup, Shutdown, Maintenance/ Malfunction	N/A	N/A	N/A	N/A	N/A	N/A	8F, 10F	31088811	<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	8F, 10F				
SSM- Inlet (Flare 10F)	Routine Inlet Blow Downs	N/A	N/A	N/A	N/A	N/A	N/A	10F	31088811	<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	10F				
TK-519	Gunbarrel	N/A	N/A	N/A	600 bbl	600 bbl	N/A	VRU	40400311	<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		
							2015	N/A				
TK-519C	Scrubber Oil Tank	N/A	N/A	N/A	500 bbl	500 bbl	N/A	N/A	40400311	<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		
							2015	N/A				
TK-519A	Water Tank	N/A	N/A	N/A	500 bbl	500 bbl	N/A	N/A	40400311	<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		
							2015	N/A				
LOAD	Scrubber Oil Loading	N/A	N/A	N/A	500 bbl	500 bbl	N/A	N/A	31088811	<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		
							2015	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

Table 2-B: Insignificant Activities ¹ (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)							
All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 202.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.env.nm.gov/aqb/permit/aqb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at https://www.env.nm.gov/wp-content/uploads/sites/2/2017/10/InsignificantListTitleV.pdf. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.							
Unit Number	Source Description	Manufacturer	Model No.	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 Onc
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	
P1	Fire Pump	Unknown	Unknown	N/A	20.2.72.202.A.4	Unknown	<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
			Unknown	N/A	N/A	Unknown	
P2	Fire Pump	Chrysler	Unknown	N/A	20.2.72.202.A.4	Unknown	<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
			Unknown	N/A	N/A	Unknown	
TK-6	Waste Oil Tank	N/A	N/A	8820	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-7	Waste Oil Tank	N/A	N/A	390	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-8	Out of Service	N/A	N/A	2100	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-9	Jacket Water Tank	N/A	N/A	4200	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-10	Lube Oil Tanks	N/A	N/A	8820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-11	Lube Oil Tanks	N/A	N/A	8820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-12	Detergent Tank	N/A	N/A	190	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-13	Water Treater	N/A	N/A	930	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-14	Lube Oil Tanks	N/A	N/A	8820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-15	Antifreeze Tank	N/A	N/A	8820	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-16	Lube Oil Tanks	N/A	N/A	8820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-17	Lube Oil Tank	N/A	N/A	480	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	

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 Onc
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	
TK-18	Solvent Tank	N/A	N/A	660	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-19	Waste Oil Tank	N/A	N/A	1130	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-20	Detergent Tank	N/A	N/A	1670	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-21	Solvent Tank	N/A	N/A	370	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-22	Methanol Tank	N/A	N/A	290	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-23	Methanol Tank	N/A	N/A	2960	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-24	Methanol Tank	N/A	N/A	2060	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-25	Corrosion Inhibitor Tank	N/A	N/A	330	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-26	Waste Oil Tank	N/A	N/A	410	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-27	Lube Oil Tank	N/A	N/A	110	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-28	Lube Oil Tank	N/A	N/A	110	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-29	Water Treater Tank	N/A	N/A	730	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-30	Out of Service	N/A	N/A	1000	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-31	Triethylene Glycol Tank	N/A	N/A	2820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-32	Amine Tank	N/A	N/A	8820	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-33	Amine Tank	N/A	N/A	8820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-34	Amine Tank	N/A	N/A	8820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-35	Lube Oil Tanks	N/A	N/A	8820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-36	Antifreeze Tank	N/A	N/A	8820	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	

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 Onc
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	
TK-37	Detergent Tank	N/A	N/A	180	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-38	Antifreeze Tank	N/A	N/A	1690	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-39	Brine Tank	N/A	N/A	12,600	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-40	Solvent Tank	N/A	N/A	1100	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-41	Gasoline Tank	N/A	N/A	560	20.2.72.202.B.5	Unknown	<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	gal	N/A	Unknown	
TK-42	Diesel Tank	N/A	N/A	315	2.72.202.B..2	Unknown	<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	gal	N/A	Unknown	
TK-44	Lube Oil Tank	N/A	N/A	12,690	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-45	Detergent Tank	N/A	N/A	210	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-47	Lube Oil Tank	N/A	N/A	510	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
TK-48	Natural Gas Liquids Tank	N/A	N/A	102,270	Pressure Vessel (not a source)	Unknown	<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	gal	N/A	Unknown	
TK-49	Propane Tank	N/A	N/A	26,040	Pressure Vessel (not a source)	Unknown	<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	gal	N/A	Unknown	
TK-50	Condensate Tank	N/A	N/A	57,540	Pressure Vessel (not a source)	Unknown	<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	gal	N/A	Unknown	
TK-51	Condensate Tank	N/A	N/A	57,540	Pressure Vessel (not a source)	Unknown	<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	gal	N/A	Unknown	
TK-52	Condensate Tank	N/A	N/A	57,540	Pressure Vessel (not a source)	Unknown	<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	gal	N/A	Unknown	
TK-53	Treated Water Tank	N/A	N/A	610	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-60	Treated Water Tank	N/A	N/A	3380	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-61	Treated Water Tank	N/A	N/A	8460	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	

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 Onc
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	
TK-62	Treated Water Tank	N/A	N/A	44,040	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-63	Treated Water Tank	N/A	N/A	44,040	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-64	Raw Water Tank	N/A	N/A	426,540	Not a Source of any Regulated Pollutant	Unknown	<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	gal	N/A	Unknown	
TK-65	Sulfur Tank	N/A	N/A	55	Not a Source of any Regulated Pollutant	Unknown	<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	tons	N/A	Unknown	
TK-66	Amine Tank	N/A	N/A	8820	20.2.72.202.B.2	Unknown	<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	gal	N/A	Unknown	
VENT	Plant Vent	Unknown	N/A	N/A	Not a Source of any Regulated Pollutant	Unknown	<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	Unknown	
TK-67	Treated Water Tank	N/A	N/A	TBD	Not a Source of any Regulated Pollutant	Unknown	<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	TBD	N/A	Unknown	
TK-68	Bullet Tank	N/A	N/A	TBD	Pressure Vessel (not a source)	Unknown	<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	TBD	N/A	Unknown	
TK-71	Underground Water Sump Tank	N/A	N/A	TBD	Not a Source of any Regulated Pollutant	Unknown	<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	TBD	N/A	Unknown	
TK-72	Underground Water Sump Tank	N/A	N/A	TBD	Not a Source of any Regulated Pollutant	Unknown	<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	TBD	N/A	Unknown	
N/A	Electric Compressor	Unknown	N/A	N/A	Not a Source of any Regulated Pollutant	Unknown	<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	Unknown	
N/A	Electric AGI Compressor 1	Unknown	N/A	N/A	Not a Source of any Regulated Pollutant	Unknown	<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	Unknown	
N/A	Electric AGI Compressor 2	Unknown	N/A	N/A	Not a Source of any Regulated Pollutant	Unknown	<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	Unknown	

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

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

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

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

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

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

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

Unit No.	NOx		CO		VOC		SOx		PM ¹		PM10 ¹		PM2.5 ¹		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
C1	3.91	14.73	21.52	94.27	7.23	31.72	0.01	0.06	0.24	1.06	0.24	1.06	0.24	1.06	-	-	-	-
C2	3.91	14.73	21.52	94.27	7.23	31.72	0.01	0.06	0.24	1.06	0.24	1.06	0.24	1.06	-	-	-	-
C3	3.91	14.73	21.52	94.27	7.23	31.72	0.01	0.06	0.24	1.06	0.24	1.06	0.24	1.06	-	-	-	-
C4	3.91	14.73	21.52	94.27	7.23	31.72	0.01	0.06	0.24	1.06	0.24	1.06	0.24	1.06	-	-	-	-
C5	1.24	5.43	10.08	44.14	3.90	17.09	0.01	0.04	0.13	0.56	0.13	0.56	0.13	0.56	-	-	-	-
C6	1.24	5.43	10.08	44.14	3.90	17.09	0.01	0.04	0.13	0.56	0.13	0.56	0.13	0.56	-	-	-	-
12H	2.75	12.02	2.31	10.10	0.15	0.66	0.02	0.07	0.21	0.91	0.21	0.91	0.21	0.91	-	-	-	-
13H	0.2	0.86	0.16	0.72	0.01	0.05	1.00E-03	0.01	0.01	0.07	0.01	0.07	0.01	0.07	-	-	-	-
14H	0.98	4.29	0.82	3.61	0.05	0.24	0.01	0.03	0.07	0.33	0.07	0.33	0.07	0.33	-	-	-	-
9F	0.14	0.6	0.28	1.21	0.14	0.61	-	-	-	-	-	-	-	-	-	-	-	-
10F	0.4	1.76	0.8	3.52	0.41	1.79	-	-	-	-	-	-	-	-	-	-	-	-
FUG1	-	-	-	-	3.97	34.75	-	-	-	-	-	-	-	-	-	-	-	-
FUG2	-	-	-	-	0.001	0.61	-	-	-	-	-	-	-	-	-	-	-	-
LOAD	-	-	-	-	0.17	0.76	-	-	-	-	-	-	-	-	-	-	-	-
TK-519C	-	-	-	-	0.02	0.09	-	-	-	-	-	-	-	-	-	-	-	-
TK-519A	-	-	-	-	2.00E-06	1.00E-05	-	-	-	-	-	-	-	-	-	-	-	-
TK-519	-	-	-	-	6.10E-04	2.70E-03	-	-	-	-	-	-	-	-	-	-	-	-
LOADOUT	-	-	-	-	41.75	29.35	-	-	-	-	-	-	-	-	-	-	-	-
DR2	-	-	-	-	57.86	253.43	-	-	-	-	-	-	-	-	-	-	-	-
Amine	-	-	-	-	4.05	0.2	-	-	-	-	-	-	-	-	399.00	19.95	-	-
Totals	22.59	89.31	110.61	484.52	145.30	483.60	0.09	0.43	1.51	6.67	1.51	6.67	1.51	6.67	399.00	19.95	0	0

¹Condensable Particulate Matter: Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but PM is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

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).

¹ **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

Table 2-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:

[illegible]

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		Acrolein <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		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
C1	C1	0.3	1.5	0.2	0.9	0.1	0.6												
C2	C2	0.3	1.5	0.2	0.9	0.1	0.6												
C3	C3	0.3	1.5	0.2	0.9	0.1	0.6												
C4	C4	0.3	1.5	0.2	0.9	0.1	0.6												
C5	C5	0.5	1.9	0.4	1.6	0.1	0.3												
C6	C6	0.5	1.9	0.4	1.6	0.1	0.3												
12H	12H	-	-	-	-	-	-												
13H	13H	-	-	-	-	-	-												
14H	14H	-	-	-	-	-	-												
9F	9F	-	-	-	-	-	-												
10F	10F	-	-	-	-	-	-												
N/A	TK-3	-	-	-	-	-	-												
N/A	TK-4	-	-	-	-	-	-												
N/A	TK-46	-	-	-	-	-	-												
8F-10F	FUG1	-	-	-	-	-	-												
9F	FUG2	-	-	-	-	-	-												
N/A	LOAD	-	-	-	-	-	-												
N/A	TK-519C	-	-	-	-	-	-												
N/A	TK-519A	-	-	-	-	-	-												
N/A	TK-519	-	-	-	-	-	-												
N/A	LOADOUT	-	-	-	-	-	-												
Totals:		2.2	9.8	1.6	6.8	0.6	3.0												

Table 2-J: Fuel

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

Unit No.	Fuel Type (low sulfur Diesel, ultra low sulfur diesel, Natural Gas, Coal, ...)	Fuel Source: purchased commercial, pipeline quality natural gas, residue gas, raw/field natural gas, process gas (e.g. SRU tail gas) or other	Specify Units				
			Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
C1	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	26.2 Mscf	229.5 MMscf	N/A	
C2	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	26.2 Mscf	229.5 MMscf	N/A	
C3	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	26.2 Mscf	229.5 MMscf	N/A	
C4	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	26.2 Mscf	229.5 MMscf	N/A	
C5	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	13.8 Mscf	121.1 MMscf	N/A	
C6	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	13.8 Mscf	121.1 MMscf	N/A	
12H	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	27.5 Mscf	240.5 MMscf	N/A	
13H	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	2.0 Mscf	17.2 MMscf	N/A	
14H	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	9.8 Mscf	85.9 MMscf	N/A	
9F (pilot)	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	1.0 Mscf	8.6 MMscf	N/A	
10F (pilot)	Natural Gas	Pipeline Quality Natural Gas	1020 Btu/scf	2.9 Mscf	25.1 MMscf	N/A	

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

[illegible]

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

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

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

Note: 1.00 bbl = 0.159 M³ = 42.0 gal

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

Material Processed				Material Produced			
Description	Chemical Composition	Phase (Gas, Liquid, or Solid)	Quantity (specify units)	Description	Chemical Composition	Phase	Quantity (specify units)
Natural Gas	Raw Natural Gas	G	70 MMscf/d	Processed Natural Gas	Residue Gas	G	70 MMscf/d

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.	GWPs ¹	1	298	25	22,800	footnote 3										
C1	mass GHG	15048	0.03	0.28											15048.31	
	CO ₂ e	15048	7	8												15063
C2	mass GHG	15048	0.03	0.28											15048.31	
	CO ₂ e	15048	7	8												15063
C3	mass GHG	15048	0.03	0.28											15048.31	
	CO ₂ e	15048	7	8												15063
C4	mass GHG	15048	0.03	0.28											15048.31	
	CO ₂ e	15048	7	8												15063
C5	mass GHG	7938	0.01	0.15											7938.16	
	CO ₂ e	7938	4.46	3.74												7946.2
C6	mass GHG	7938	0.01	0.15											7938.16	
	CO ₂ e	7938	4.46	3.74												7946.2
12H	mass GHG	15769	0.03	0.3											15769.33	
	CO ₂ e	15769	8.9	7.4												15785.3
13H	mass GHG	1126	0.002	0.02											1126.022	
	CO ₂ e	1126	0.6	0.5												1127.1
14H	mass GHG	5632	0.01	0.11											5632.12	
	CO ₂ e	5632	3	3												5638
9F	mass GHG	107330	0.001	3											107333	
	CO ₂ e	107330	0.27	78												107408.27
10F	mass GHG	1372	0	5											1377	
	CO ₂ e	1372	0	125												1497
TK-3	mass GHG															
	CO ₂ e															
TK-4	mass GHG															
	CO ₂ e															
TK-46	mass GHG															
	CO ₂ e															
FUG1	mass GHG	9		77											86	
	CO ₂ e	9		1925												1934
FUG2	mass GHG															
	CO ₂ e															
LOAD	mass GHG			0.2											0.2	
	CO ₂ e			5												5
TK-519C	mass GHG															
	CO ₂ e															
TK-519A	mass GHG															
	CO ₂ e															
LOADOU T	mass GHG			8											8	
	CO ₂ e			182												182
MSS-1	mass GHG															
	CO ₂ e															
	mass GHG															
	CO ₂ e															
Total	mass GHG	207306	0.18	95.05											207,401	
	CO ₂ e	207306	49.69	2365.38												209,721

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 3

Application Summary

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

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

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

The ET Gathering & Processing LLC (ETGP) Jal #3 Gas Plant (Jal 3) is a natural gas gathering and boosting station with gas sweetening, dehydration and an acid gas injection well located near Jal, NM in Lea County. Lea County is attainment or non-classifiable for all criteria air pollutants. Jal 3 is a minor source for the Prevention of Significant Deterioration (PSD) and a major source for the Title V Operating Permit programs and is a minor source of hazardous air pollutants (HAPs). ETGP is submitting this application to apply for a Significant Revision (pursuant to NMAC 20.2.72.219.d.1.a) to its current Air Quality NSR Permit 1092-M10R3.

With this application, ETGP plans to modify the emissions associated with Startup, Shutdown and Maintenance (SSM) emissions from flares 9F and 10F to reallocate the flaring of gas during periods of acid gas injection compressor downtime. The amine sweetening and glycol dehydration system simulations are also updated.

Sources are also being removed in this application that include removal of the Gas Plant Flare (Unit Number 8F), and a set of storage vessels to include three (3) Scrubber Liquids Tanks (Unit Numbers TK-3, TK-4, and TK-46).

Updates to regulatory applicability for compressor engines and fugitive equipment leaks are also incorporated.

An administrative update to rename the remaining existing plant flares is also incorporated as Unit Number 9F will be described as the Acid Gas Flare and Unit Number 10F will be described as the Plant Flare.

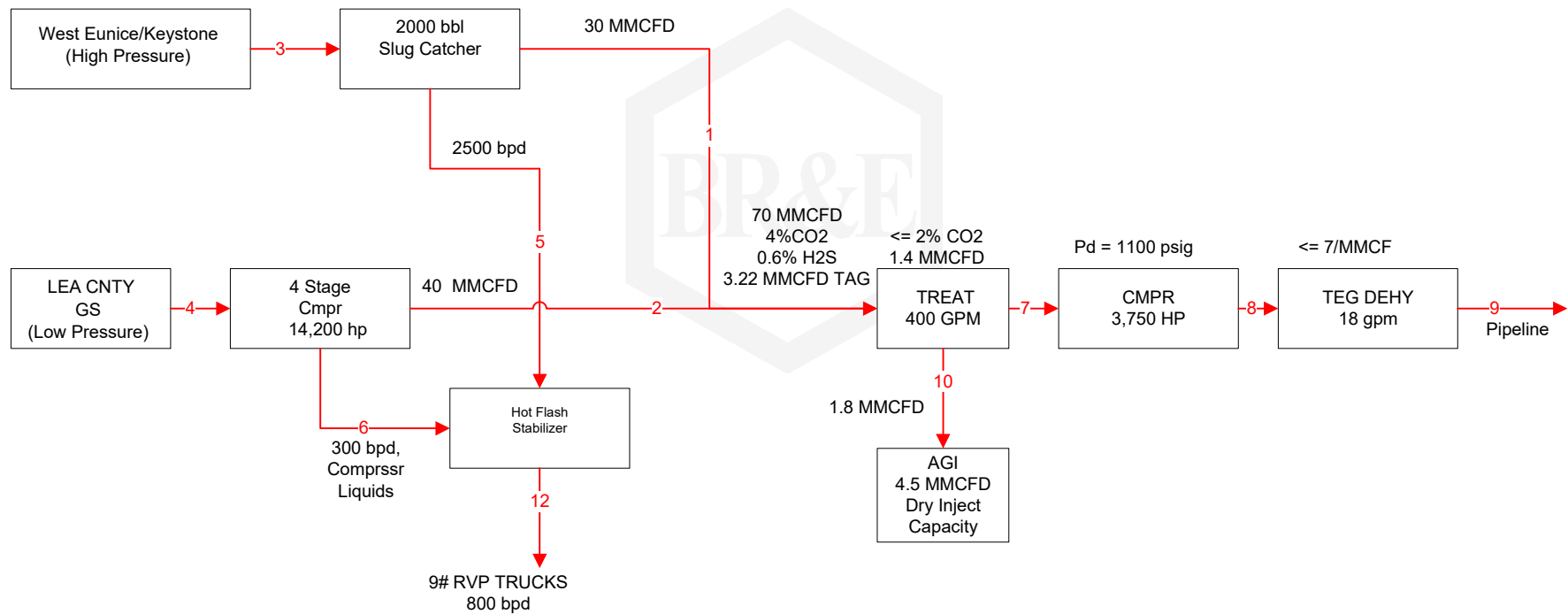
Section 4

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 diagram is presented below.

Jal 3
Rev3
10/1/2024



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 of the Facility is provided below.

Section 6

All Calculations

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

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

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

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

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

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

Significant Figures:

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

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

(4) The final result of the calculation shall be expressed in the units of the standard.

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

Site wide emissions calculations are provided in the following pages.

**TABLE 6-1
POTENTIAL EMISSIONS SUMMARY
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Emissions Source	Unit Number	NO _x		VOC		CO		PM ₁₀ /PM _{2.5}		SO ₂		H ₂ S		Formaldehyde		Acrolein	
		(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)
Equipment																	
3550 Hp Caterpillar 3612	C-1	3.91	17.12	1.96	8.58	2.15	9.42	0.24	1.06	0.01	0.06	--	--	0.20	0.89	0.12	0.54
3550 Hp Caterpillar 3612	C-2	3.91	17.12	1.96	8.58	2.15	9.42	0.24	1.06	0.01	0.06	--	--	0.20	0.89	0.12	0.54
3550 Hp Caterpillar 3612	C-3	3.91	17.12	1.96	8.58	2.15	9.42	0.24	1.06	0.01	0.06	--	--	0.20	0.89	0.12	0.54
3550 Hp Caterpillar 3612	C-4	3.91	17.12	1.96	8.58	2.15	9.42	0.24	1.06	0.01	0.06	--	--	0.20	0.89	0.12	0.54
1875 Hp Caterpillar 3606	C-5	1.24	5.43	2.45	10.75	2.06	9.04	0.13	0.56	0.01	0.03	--	--	0.37	1.63	0.07	0.29
1875 Hp Caterpillar 3606	C-6	1.24	5.43	2.45	10.75	2.06	9.04	0.13	0.56	0.01	0.03	--	--	0.37	1.63	0.07	0.29
Regeneration Gas Heater (28 MMBTU/hr)	12H	2.75	12.02	0.15	0.66	2.31	10.10	0.21	0.91	0.016	0.07	--	--	--	--	--	--
Dehy Reboiler	13H	0.20	0.86	0.01	0.05	0.16	0.72	0.01	0.07	0.0012	0.01	--	--	--	--	--	--
Stabilizer Heater	14H	0.98	4.29	0.05	0.24	0.82	3.61	0.07	0.33	0.01	0.03	--	--	--	--	--	--
Plant Flare	10F	--	--	1443.47	6.13	--	--	--	--	600.00	2.55	6.38	0.03	--	--	--	--
Plant Flare - MSS	10F	413.48	3.52	0.41	1.79	825.45	7.03	--	--	<0.01	<0.01	--	--	--	--	--	--
Acid Gas Flare	9F	3.80	16.66	0.14	0.61	7.59	33.26	--	--	750.00	73.53	7.98	39.92	--	--	--	--
Gunbarrel	TK-519	--	--	0.0006	0.0027	--	--	--	--	--	--	--	--	--	--	--	--
Scrubber Oil Tank	TK-519C	--	--	0.020	0.089	--	--	--	--	--	--	--	--	--	--	--	--
Water Tank	TK-519A	--	--	0.000002	0.00001	--	--	--	--	--	--	--	--	--	--	--	--
Condensate Loading	LOAD	--	--	41.75	29.35	--	--	--	--	--	--	--	--	--	--	--	--
Scubber Oil Loading	LOAD1	--	--	0.17	0.76	--	--	--	--	--	--	--	--	--	--	--	--
MSS Emissions	MSS-1	--	--	2.20	0.70	--	--	--	--	--	--	--	--	--	--	--	--
Site Fugitives	FUG-1	--	--	3.97	34.75	--	--	--	--	--	--	<0.01	<0.01	--	--	--	--
Site Fugitives	FUG-2	--	--	0.0001	0.61	--	--	--	--	--	--	<0.01	<0.01	--	--	--	--
Malfunction			10.00		10.00		10.00				10.00		10.00				
Total Facility Emissions W/Fugitives Plus Formaldehyde		439.32	126.71	1505.08 1.56	141.56 6.82	849.07	120.48	1.52	6.64	1350.10	86.50	14.36	49.95	1.56	6.82	0.63	2.75
Total				1506.64	148.37												
Total Facility Emissions minus Fugitives				1502.67	113.01												

TABLE 6-2
POTENTIAL EMISSIONS FROM
CATERPILLAR 3612 (C-1)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

Pollutant	Horsepower	Operating Hours	Emission Factors		Potential Emission Rate ³	
			(grams/Hp-hr) ¹	(lb/MMBtu) ²	(lb/hr)	(T/yr)
NO _x	3,550	8,760	0.50	--	3.91	17.12
VOC	3,550	8,760	0.22	--	1.72	7.53
CO	3,550	8,760	0.28	--	2.15	9.42
SO ₂	3,550	8,760	--	0.000588	0.01	0.06
PM ₁₀	3,550	8,760	--	0.009987	0.24	1.06
HCHO	3,550	8,760	0.026	--	0.20	0.89
Benzene	3,550	8,760	--	0.00044	0.01	0.05
Acetaldehyde	3,550	8,760	--	0.00142	0.03	0.15
Acrolein	3,550	8,760	--	0.00514	0.12	0.54
Ethylbenzene	3,550	8,760	--	0.00004	0.001	0.004
N-Hexane	3,550	8,760	--	0.00110	0.03	0.12
Toluene	3,550	8,760	--	0.00041	0.01	0.04

Notes:

1. Emission factors for NO_x, VOC, formaldehyde, and CO are based on manufacturer data, with a safety factor on NO_x.
2. Emission factors for SO₂, PM₁₀, and benzene obtained from AP-42, Table 3.2-2, 4-stroke lean-burn engines, 7/00.
3. Potential emissions based on emission factors, maximum horsepower, fuel consumption rate of 6,795 Btu/Hp-hr, operation of an oxidation catalyst, and 8,760 hours of operation per year.

**TABLE 6-3
POTENTIAL EMISSIONS FROM
CATERPILLAR 3612 (C-2)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Pollutant	Horsepower	Operating Hours	Emission Factors		Potential Emission Rate ³	
			(grams/Hp-hr) ¹	(lb/MMBtu) ²	(lb/hr)	(T/yr)
NO _x	3,550	8,760	0.50	--	3.91	17.12
VOC	3,550	8,760	0.22	--	1.72	7.53
CO	3,550	8,760	0.28	--	2.15	9.42
SO ₂	3,550	8,760	--	0.000588	0.01	0.06
PM ₁₀	3,550	8,760	--	0.009987	0.24	1.06
HCHO	3,550	8,760	0.03	--	0.20	0.89
Benzene	3,550	8,760	--	0.00044	0.01	0.05
Acetaldehyde	3,550	8,760	--	0.00142	0.03	0.15
Acrolein	3,550	8,760	--	0.00514	0.12	0.54
Ethylbenzene	3,550	8,760	--	0.00004	0.001	0.004
N-Hexane	3,550	8,760	--	0.00110	0.03	0.12
Toluene	3,550	8,760	--	0.00041	0.01	0.04

Notes:

1. Emission factors for NO_x, VOC, formaldehyde, and CO are based on manufacturer data, with a safety factor on NO_x.

**TABLE 6-4
POTENTIAL EMISSIONS FROM
CATERPILLAR 3612 (C-3)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Pollutant	Horsepower	Operating Hours	Emission Factors		Potential Emission Rate ³	
			(grams/Hp-hr) ¹	(lb/MMBtu) ²	(lb/hr)	(T/yr)
NO _x	3,550	8,760	0.50	--	3.91	17.12
VOC	3,550	8,760	0.22	--	1.72	7.53
CO	3,550	8,760	0.28	--	2.15	9.42
SO ₂	3,550	8,760	--	0.000588	0.01	0.06
PM ₁₀	3,550	8,760	--	0.009987	0.24	1.06
HCHO	3,550	8,760	0.03	--	0.20	0.89
Benzene	3,550	8,760	--	0.00044	0.01	0.05
Acetylaldehyde	3,550	8,760	--	0.00142	0.03	0.15
Acrolein	3,550	8,760	--	0.00514	0.12	0.54
Ethylbenzene	3,550	8,760	--	0.00004	0.001	0.004
N-Hexane	3,550	8,760	--	0.00110	0.03	0.12
Toluene	3,550	8,760	--	0.00041	0.01	0.04

Notes:

1. Emission factors for NO_x, VOC, formaldehyde, and CO are based on manufacturer data, with a safety factor on NO_x.
2. Emission factors for SO₂, PM₁₀, and benzene obtained from AP-42, Table 3.2-2, 4-stroke lean-burn engines, 7/00.
3. Potential emissions based on emission factors, maximum horsepower, fuel consumption rate of 6,795 Btu/Hp-hr, operation of an oxidation catalyst, and 8,760 hours of operation per year.

**TABLE 6-5
POTENTIAL EMISSIONS FROM
CATERPILLAR 3612 (C-4)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Pollutant	Horsepower	Operating Hours	Emission Factors		Potential Emission Rate ³	
			(grams/Hp-hr) ¹	(lb/MMBtu) ²	(lb/hr)	(T/yr)
NO _x	3,550	8,760	0.50	--	3.91	17.12
VOC	3,550	8,760	0.22	--	1.72	7.53
CO	3,550	8,760	0.28	--	2.15	9.42
SO ₂	3,550	8,760	--	0.000588	0.01	0.06
PM ₁₀	3,550	8,760	--	0.009987	0.24	1.06
HCHO	3,550	8,760	0.03	--	0.20	0.89
Benzene	3,550	8,760	--	0.00044	0.01	0.05
Acetylaldehyde	3,550	8,760	--	0.00142	0.03	0.15
Acrolein	3,550	8,760	--	0.00514	0.12	0.54
Ethylbenzene	3,550	8,760	--	0.00004	0.001	0.004
N-Hexane	3,550	8,760	--	0.00110	0.03	0.12
Toluene	3,550	8,760	--	0.00041	0.01	0.04

Notes:

1. Emission factors for NO_x, VOC, formaldehyde, and CO are based on manufacturer data, with a safety factor on NO_x.

TABLE 6-6
POTENTIAL EMISSIONS FROM
CATERPILLAR 3606 (C-5)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

Pollutant	Horsepower	Operating Hours	Emission Factors		Potential Emission Rate ³	
			(grams/Hp-hr) ¹	(lb/MMBtu) ²	(lb/hr)	(T/yr)
NO _x	1,875	8,760	0.30	--	1.24	5.43
VOC	1,875	8,760	0.50	--	2.06	9.04
CO	1,875	8,760	0.50	--	2.06	9.04
SO ₂	1,875	8,760	--	0.000588	0.01	0.03
PM ₁₀	1,875	8,760	--	0.009987	0.13	0.56
HCHO	1,875	8,760	0.09	--	0.37	1.63
Benzene	1,875	8,760	--	0.00044	0.01	0.02
Acetylaldehyde	1,875	8,760	--	0.00142	0.02	0.08
Acrolein	1,875	8,760	--	0.00514	0.07	0.29
Ethylbenzene	1,875	8,760	--	0.00004	0.001	0.002
N-Hexane	1,875	8,760	--	0.00110	0.01	0.06
Toluene	1,875	8,760	--	0.00041	0.01	0.02

Notes:

1. Emission factors for NO_x, VOC, formaldehyde, and CO are based on manufacturer data, with a safety factor on NO_x.
2. Emission factors for SO₂, PM₁₀, and benzene obtained from AP-42, Table 3.2-2, 4-stroke lean-burn engines, 7/00.
3. Potential emissions based on emission factors, maximum horsepower, fuel consumption rate of 6,811 Btu/Hp-hr, operation of an oxidation catalyst, and 8,760 hours of operation per year.

**TABLE 6-7
POTENTIAL EMISSIONS FROM
CATERPILLAR 3606 (C-6)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Pollutant	Horsepower	Operating Hours	Emission Factors		Potential Emission Rate ³	
			(grams/Hp-hr) ¹	(lb/MMBtu) ²	(lb/hr)	(T/yr)
NO _x	1,875	8,760	0.30	--	1.24	5.43
VOC	1,875	8,760	0.50	--	2.06	9.04
CO	1,875	8,760	0.50	--	2.06	9.04
SO ₂	1,875	8,760	--	0.000588	0.01	0.03
PM ₁₀	1,875	8,760	--	0.009987	0.13	0.56
HCHO	1,875	8,760	0.09	--	0.37	1.63
Benzene	1,875	8,760	--	0.00044	0.01	0.02
Acetylaldehyde	1,875	8,760	--	0.00142	0.02	0.08
Acrolein	1,875	8,760	--	0.00514	0.07	0.29
Ethylbenzene	1,875	8,760	--	0.00004	0.001	0.002
N-Hexane	1,875	8,760	--	0.00110	0.01	0.06
Toluene	1,875	8,760	--	0.00041	0.01	0.02

Notes:

1. Emission factors for NO_x, VOC, formaldehyde, and CO are based on manufacturer data, with a safety factor on NO_x.
2. Emission factors for SO₂, PM₁₀, and benzene obtained from AP-42, Table 3.2-2, 4-stroke lean-burn engines, 7/00.
3. Potential emissions based on emission factors, maximum horsepower, fuel consumption rate of 6,811 Btu/Hp-hr, operation of an oxidation catalyst, and 8,760 hours of operation per year.

**TABLE 6-8
POTENTIAL EMISSIONS FROM
REGEN GAS HEATER (12H)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Pollutant	Max Firing Rate (MMBtu/hr)	Gas Heating Value (MMBtu/scf)	Emission Factor (lb/MMSCF) ¹	Potential Emission Rates ²	
				(lb/hr)	(T/yr)
NO _x	28.00	1020	100.0	2.75	12.02
VOC	28.00	1020	5.5	0.15	0.66
CO	28.00	1020	84.0	2.31	10.10
SO ₂	28.00	1020	0.60	0.016	0.07
PM ₁₀	28.00	1020	7.6	0.21	0.91
Benzene	28.00	1020	0.0021	0.00006	0.0003

Notes:

1. Emission factors obtained from AP-42 Table 1.4-1 through 1.4-3 for commercial boilers.
2. Potential emissions based on AP-42 emission factors, maximum firing rate of 28 MMBtu/hr.
1,020 Btu/scf fuel heating value, and 8,760 hours per year of operation.

**TABLE 6-9
POTENTIAL EMISSIONS FROM
DEHY REBOILER (13H)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Pollutant	Max Firing Rate (MMBtu/hr)	Gas Heating Value (MMBtu/scf)	Emission Factor (lb/MMSCF) ¹	Potential Emission Rates ³	
				(lb/hr)	(T/yr)
NO _x	2.0	1020	100.0	0.20	0.86
VOC	2.0	1020	5.5	0.01	0.05
CO	2.0	1020	84.0	0.16	0.72
SO ₂	2.0	1020	0.6	0.00	0.01
PM ₁₀	2.0	1020	7.6	0.01	0.07
Benzene	2.0	1020	0.0021	0.0000	0.0000

Notes:

1. Emission factors obtained from AP-42 Table 1.4-1 through 1.4-3 for commercial boilers.
3. Potential emissions based on AP-42 emission factors, maximum firing rate of 2.0 MMBtu/hr.
1,020 Btu/scf fuel heating value, and 8,760 hours per year of operation.

TABLE 6-10
POTENTIAL EMISSIONS FROM
STABILIZER HEATER (14H)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

Pollutant	Max Firing Rate (MMBtu/hr)	Gas Heating Value (MMBtu/scf)	Emission Factor (lb/MMSCF) ¹	Potential Emission Rates ³	
				(lb/hr)	(T/yr)
NO _x	10.0	1020	100.0	0.98	4.29
VOC	10.0	1020	5.5	0.05	0.24
CO	10.0	1020	84.0	0.82	3.61
SO ₂	10.0	1020	0.6	0.01	0.03
PM ₁₀	10.0	1020	7.6	0.07	0.33
Benzene	10.0	1020	0.0021	0.0000	0.0001

Notes:

1. Emission factors obtained from AP-42 Table 1.4-1 through 1.4-3 for commercial boilers.
3. Potential emissions based on AP-42 emission factors, maximum firing rate of 10.0 MMBtu/hr.
1,020 Btu/scf fuel heating value, and 8,760 hours per year of operation.

TABLE 6-12
POTENTIAL EMISSIONS SUMMARY
PLANT FLARE (10F)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

FLARE FEED AND EXHAUST RATES													FLARE EMISSION RATES								
Feed Rates and Compositions							Flare DRE	PROCESS-1 Exhaust Rates		Component Heating Value	Heat Release										
Component	Molecular Weight	Cu Ft/lb	Process Vents (PROCESS-1)					%	lb/hr ¹		T/yr	BTU/SCF									MMBtu/hr
			lb/hr	T/yr	MCF/hr	MCF/yr								Pollutant	Emission Factors (lb/MMBtu) ²	Pilot Gas Emission Rates ³		Flare Exhaust Emission Rates		Total Potential Emission Rates	
H2S	34	11.1351	319.20	10,264.70	3.554	114.299	98%	6.38	0.03	586.8	2.08568	67.07036									
N2	28	13.5460	2,615.15	11.11	35.42	301.11	--	2615.15	11.11	--	--	--									
SO2								600.00	2.55	--	--	--									
CO2	44	8.6229	5,937.83	25.24	51.20	435.21	--	5937.83	25.24	--	--	--									
C1	16	23.6540	53,196.46	226.08	1,258.31	10,695.63	98%	1063.93	4.52	909.4	1,144.306	9,726.60	NOx	0.138	0.40	1.76	413.07	1.76	413.48	3.52	
C2	30	12.6200	21,115.93	89.74	266.48	2,265.11	98%	422.32	1.79	1,618.7	431.356	3,666.53	VOC	0.14	0.41	1.79	1443.47	6.13	1443.88	7.92	
C3	44	8.6059	21,823.62	92.75	187.81	1,596.40	98%	436.47	1.86	2,314.9	434.766	3,695.51	CO	0.2755	0.80	3.52	824.65	3.51	825.45	7.03	
IC4	58	6.5291	1,711.12	7.27	11.17	94.96	98%	34.22	0.15	3,000.4	33.521	284.93	SO2	--	--	--	600.00	2.55	600.00	2.55	
NC4	58	6.5291	14,859.72	63.15	97.02	824.68	98%	297.19	1.26	3,010.8	292.110	2,482.93	H2S	--	--	--	6.38	0.03	6.38	0.03	
IC5	72	5.2596	9,436.79	40.11	49.63	421.89	98%	188.74	0.80	3,699.0	183.595	1,560.56	Flaring Period : <u>8760</u> hrs/yr Flare Pilot/Sweep Gas Rating: <u>2.92</u> MMBtu/hr Process Gas Flaring: <u>8.5</u> hrs/yr Closed Drain & Cond. Re-run Tank Gas Volume: <u>50000</u> Maximum daily rate (Mcf/d) <u>50000</u> Avg daily throughput (Mcf/day) <u>17,708.33</u> Annual Max. throughput (Mcf)								
NC5	72	5.2596	9,020.46	38.34	47.44	403.27	98%	180.41	0.77	3,706.9	175.870	1,494.90									
Benzene	86	4.4035	473.11	2.01	2.08	17.71	98%	9.46	0.04	3,707.9	7.725	65.66									
C6+	86	4.4035	14,848.64	63.11	65.39	555.78	98%	296.973	1.26	4,403.8	287.947	2,447.55									
Total		--	155,358.03	10,923.62	2,075.5	17,726.0	--	12089.08	51.38	--	2993.28	25492.23									
Total VOC ⁴		--	--		--	--	--	1443.47	6.13	--	--										

Notes:

1. Flare Exhaust (lb/hr) = Total Volume (MCF/hr) x 1000 / (Cu Ft/#) x (100-Flare DRE (%)). Process vents include vapors from equipment such as stabilizer compressors, closed drain tanks, and condensate re-run tanks. Volumes are conservatively assumed to be 50000.0 Mcf/day of gas.

2. Flare CO and NOx emission factors from TCEQ Air Permit Technical Guidance for Chemical Sources: Flares and Vapor Oxidizers, October 2000 RG-109 (Draft), Table 4, high Btu, "other" flare type. VOC based on AP-42 Table 13.5-1 (2/18).

3. Pilot gas potential emissions based on AP-42 emission factors, maximum pilot/sweep gas rate of 2.92 MMBtu/hr, 1,020 Btu/scf fuel heating value, and continuous operations of 8,760 hours of operation per year.

4. Total VOC includes components C3, IC4, NC4, IC5, NC5, & C6+

TABLE 6-13
POTENTIAL EMISSIONS SUMMARY
ACID GAS FLARE (9F)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

FLARE FEED AND EXHAUST RATES																							
Feed Rates and Compositions										Flare DRE %	Flare Exhaust Rate		Component Heating Value	Total Heat Release	Total Heat Release								
Component	Molecular Weight	Cu Ft/lb	DEHY-2		Assist Gas		AMINE				lb/hr ¹	T/yr	BTU/SCF	MMBtu/hr	MMBtu/yr								
			lb/hr	MCF/hr	lb/hr	MCF/hr	lb/hr	T/yr	MCF/hr														
H2S	34	11.1351	0.004	0.00005	--	--	399.00	39.90	4.446	98%	7.980	39.92	586.80	2.61	521.98	Pollutant	Emission Factors (lb/MMBtu) ²	Pilot Gas Emission Rates ³		Flare Exhaust Emission Rates		Total Potential Emission Rates	
N2	28	13.5460	2.22	0.03	6.58	0.49	0.076	0.008	0.001	--	2.30	9.75	--	--	--			(lbs/hr)	(T/yr)	(lbs/hr)	(T/yr)	(lbs/hr)	(T/yr)
SO2	64	--	--	--	--	--	--	--	--	98%	750.00	73.53	--	--	--			--	--	--	--	--	--
CO2	44	8.6229	12.30	0.11	--	--	7,775.4	777.54	67.046	0%	7,787.66	831.42	--	--	--			--	--	--	--	--	--
C1	16	23.6540	60.76	1.44	495.48	20.95	13.242	1.324	0.313	98%	1.48	5.35	909.40	20.64	178,378.31	VOC	0.14	0.140	0.61	1.24	5.08	1.38	5.69
C2	30	12.6200	11.37	0.14	11.79	0.93	5.912	0.591	0.075	98%	0.35	1.01	1,618.70	1.86	15,301.84	CO	0.2755	0.276	1.21	7.32	32.05	7.59	33.26
C3	44	8.6059	8.76	0.08	0.74	0.09	2.472	0.247	0.021	98%	0.22	0.77	2,314.90	0.42	3,272.66	SO2	--	--	--	750.00	73.53	750.00	73.53
IC4	58	6.5291	1.67	0.01	0.10	0.02	0.194	0.019	0.001	98%	0.04	0.15	3,000.40	0.08	701.69	H2S	--	--	--	7.98	39.92	7.98	39.92
NC4	58	6.5291	7.20	0.05	0.15	0.02	0.971	0.097	0.006	98%	0.16	0.63	3,010.80	0.23	1,837.83	<div>Flaring Period for Dehy : <u>8760</u> hrs/yr</div> <div>Flaring Period for Amine: <u>200</u> hrs/yr</div> <div>Flare Pilot and Shepard Ring Rating: <u>1.0</u> MMBtu/hr</div> <div>Assist Gas Input Rate: <u>22.5</u> MCF/hr</div>							
IC5	72	5.2596	3.70	0.02	0.02	0.00	0.094	0.009	0.000	98%	0.08	0.32	3,699.00	0.09	776.03								
NC5	72	5.2596	4.76	0.03	0.02	0.00	0.147	0.015	0.001	98%	0.10	0.42	3,706.90	0.11	959.03								
Benzene	86	4.4035	8.21	0.04	--	--	0.010	0.001	0.000	98%	0.16	0.72	3,707.90	0.13	1,174.31								
Toluene	92	1.1494	4.43	0.01	--	--	0.005	0.001	0.000	98%	0.09	0.39	4,886.20	0.02	217.99								
Xylene	106	1.1630	1.17	0.00	--	--	0.001	0.0001	0.000	98%	0.02	0.10	5,435.20	0.01	64.95								
Ethylbenzene	106	1.1494	0.39	0.00	--	--	0.0005	0.00005	0.000	98%	0.01	0.03	5,435.20	0.00	21.40								
C6+	86	4.4035	17.57	0.08	--	--	0.155	0.016	0.001	98%	0.35	1.54	4,403.80	0.34	2,985.53								
Total		--	144.52	2.02			8,197.641	819.764	71.912	--	8,551.01	966.06	--	26.56	206,213.54								
Total VOC ⁴		--	57.86				4.050	0.405		--	1.24	5.08	--		--								

Notes:

1. Flare Exhaust (lb/hr) = Total Volume (MCF/hr) x 1000 / (Cu Ft/#) x (100-Flare DRE (%)). Dehy and Amine rates from Promax process simulation.
2. Flare CO and NOx emission factors from TCEQ Air Permit Technical Guidance for Chemical Sources: Flares and Vapor Oxidizers, October 2000 RG-109 (Draft), Table 4, high Btu, "other" flare type. VOC based on AP-42 Table 13.5-1 (2/18).
3. Pilot gas potential emissions based on AP-42 emission factors, maximum pilot/shepard ring gas rate of 1.0 MMBtu/hr, 1,020 Btu/scf fuel heating value, and continuous operations of 8,760 hours of operation per year.
4. Total VOC includes components C3, IC4, NC4, IC5, NC5, & C6+

**TABLE 6-14
POTENTIAL EMISSIONS FROM
STORAGE TANKS - TRAIN 1
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Source	Unit Number	Annual Throughput ¹ (gallons/year)	Tank Capacity (gallons)	Potential VOC Emissions ¹		VOC Emissions ⁵	
				Annual Breathing Losses ² (lbs)	Annual Working Losses ² (lbs)		
						(lb/hr)	(T/yr)
Scrubber Oil Tank	TK-519C	735,840	500	-	-	0.020	0.089
Water Tank	TK-519A	7,665,000	500	-	-	0.0000016	0.0000070
Gunbarrel	TK-519	8,400,840	600	-	-	0.00061	0.0027
						0.02	0.09

Notes:

1. Based on maximum expected annual condensate and sump tank throughputs.
2. Annual breathing and working losses were calculated using AP-42 Section 7 calculations (See Table A-23b). Note that all tanks have negligible flash losses.
3. Annual VOC losses from Internal Floating Roof Tanks were estimated using AP-42 Section 7 calculations (See Table A-23c).
4. Benzene emissions based on benzene % of condensate analysis and assuming 1% of VOC emissions for diesel and gasoline.
5. Emission Calculation Examples:

$$\text{Total Annual VOC Emissions (T/yr)} = (\text{Breathing Losses (lbs)} + \text{Working Losses (lbs)}) / 2000$$

TABLE 6-15

POTENTIAL EMISSIONS SUMMARY
AP-42 SECTION 7 FIXED-ROOF TANK EMISSIONS
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

Tank Identification	TK-519C	TK-519A
Actual Location	Midland, TX	Midland, TX
Location for Calculation Purposes	Roswell, New Mexico	Roswell, New Mexico
Contents of Tank	Gasoline (RVP 9)	Gasoline (RVP 9)
Tank/Roof Type	Cone	Cone
Underground?	Aboveground	Aboveground
Will flashing occur at the tank?	No	No
Are the tanks vapor balanced?	No	No
Diameter, ft	10.0	10.0
Shell Height or Length, ft	15.0	7.5
Nominal Capacity, gal	210	107
Throughput, gallons/yr	735,840	7,665,000
Tank Paint Color	White	White
Tank Paint Condition	Average	Average
Effective Diameter, ft	10.0	10.0
Geometric Capacity, gal	8,225	3,819
Maximum Liquid Height, ft	14.0	6.5
Average Liquid Height, ft	7.0	3.3
Minimum Liquid Height, ft	1.0	1.0
Cone Tank Roof Slope, ft/ft	0.0625	0.0625
Dome Tank Roof Radius, ft	N/A	N/A
Dome Tank Roof Height, ft	N/A	N/A
Roof Outage, ft	0.104	0.104
Vapor Space Outage, ft	8.10	4.35
Vapor Space Volume, ft ³	636	342
Average Daily Minimum Ambient Temperature, F	47.60	47.60
Average Daily Maximum Ambient Temperature, F	75.80	75.80
Daily Maximum Ambient Temperature, F	93.90	93.90
Daily Total Solar Insolation Factor, Btu/ft ² /day	1722	1722
Daily Average Ambient Temperature, F	61.7	61.7
Tank Paint Solar Absorbance, dimensionless	0.250	0.250
Daily Vapor Temperature Range, R	30.6	29.3
Daily Average Liquid Surf. Temperature, F	64.1	64.4
Daily Minimum Liquid Surf. Temperature, F	56.5	57.0
Daily Maximum Liquid Surf. Temperature, F	71.8	71.7
Liquid Bulk Temperature	62.99	62.99
Vapor Molecular Weight, lb/lbmol	67.0	67.0
Antoine's Coefficient A	N/A	N/A
Antoine's Coefficient B	N/A	N/A
Antoine's Coefficient C	N/A	N/A
Type of Substance (for use in calculations)	Gas	Gas
Vapor Pressure at Daily Av. Liquid Surf. Temp., psia	4.998	5.020
Vapor Pressure at Daily Min. Liquid Surf. Temp., psia	4.300	4.348
Vapor Pressure at Daily Max. Liquid Surf. Temp., psia	5.783	5.774
Vapor Pressure Calculation Method	AP-42 Figure 7.1-14b: RVP=9 ASTM Slope=3	AP-42 Figure 7.1-14b: RVP=9 ASTM Slope=3
Vapor Density, lb/ft ³	0.059571	0.059815
Daily Vapor Pressure range, psi	1.482	1.426
Breather Vent Pressure Setting, psig	0.0300	0.0300
Breather Vent Vacuum Setting, psig	-0.0300	-0.0300
Breather Vent Pressure Setting Range, psi	0.0600	0.0600
Ambient Pressure, psia	12.9	12.9
Vapor Space Expansion Factor	0.2388	0.2297
Vented Vapor Saturation Factor	0.318	0.463
Annual Turnovers	96.33	2371.83
Turnover Factor	0.48	0.18
Working Loss K _B Factor	1.00	1.00
Working Loss Product Factor	1.00	1.00
Standing Storage Loss, lb/yr	1,050.39	794.61
Working Loss, lb/yr	2,801.22	10,989.08
Total Losses, lb/yr	3,851.61	11,783.69
Standing Storage Loss, TPY	0.52519	0.39731
Working Loss, TPY	1.40061	5.49454
Total Losses, TPY	1.92580	5.89185

Based on AP-42, June 2020, Section 7.1.3.1.

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**TABLE 6-16
POTENTIAL EMISSIONS FROM
TRUCK LOADING
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO**

Material Name	Unit Number	Saturation Factor ¹ (S)	True Vapor Pressure ² (P)		Molecular Weight of Vapors ² (M) (lb/lb-mole)	Temp of Loaded Liquid ² (F)	Max Temp of Loaded Liquid (F)	Emission Factor ¹ (lb VOC/10 ³ gal)		Annual Throughput ³ (gals)	Estimated Hourly Throughput ³ (gal)	Total Uncontrolled VOC Emissions	
			Avg	Max				Avg	Max			(lb/hr) ⁴	(T/yr) ⁵
Condensate Scrubber Oil	LOADOUT LOAD	0.6 -	5.00 -	5.78 -	67.00 -	62.9915 -	95 -	4.786 -	5.22 -	12,264,000 735,840	8,000 -	41.75 0.17	29.35 0.76
											TOTAL	41.92	30.11

Notes:

1. Per AP-42, 5th Edition (6/08), Section 5.2, Equation 1

$$\text{Emission Factor (lb VOC/10}^3\text{gal)} = \frac{S \times P \times M \times 12.46}{F + 460}$$

Saturation Factor = 0.6 for submerged loading: dedicated normal service

2. True vapor pressure, weight of vapors and temp of loaded liquid obtained from AP-42 run using Gasoline RVP-9.

3. Throughput is the amount of condensate loaded out from the storage tank. It is estimated that one truck can load 8,000 gallons in one hour.

4. Uncontrolled Hourly VOC Emissions = Estimated Hourly Throughput (gal/hr) x Max Emission Factor (lb VOC/10³ gal) / 10005. Uncontrolled Annual VOC Emissions = Annual Throughput (gal) x Avg Emission Factor (lb VOC/10³ gal) / 1000 / 2000 (lb/T)

TABLE 6-17

FUGITIVE EMISSIONS (FUG1)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

Fugitive Emissions

Emission Unit: 79 & 80
Stack ID: FUG 1
Source Description: Fugitive Emissions

Components

		Valves		Pump seals		Connectors		Flanges		Open lines		Other		Stream						KKK?	VOC	H2S			
		gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	inlet	residue	product	amine stream *	refrigerant	acid								
																		%	%						
EU 79	Fuel gas	277		25				1046				36			X							2%	0.00%		
	Inlet gas	1648		16				1635		164		18		X						X	22%	0.65%			
	Scrubber oil gas	172		4				75		34		1				X				X	71%	0.00%			
	Rich amine		53						159		11		1				X		X	X	0%	15.61%			
	Sweet gas	44						53		8		1			X					X	2%	0.00%			
	Dry gas	855						2540		171		1			X					X	2%	0.00%			
	NGL		86		17				137		17					X				X	71%	0.00%			
	Refrigerant	47	47	2	1			141	141	10	9							X		X	100%	0.00%			
	Residue	282		9				846		57					X						2%	0.00%			
	"S" Plant units	48	12	12				360	60			6		X						X	22%	0.65%			
	"S" Plant refrig	9	9	3	3			30	30			1	1						X		X	100%	0.00%		
	EU 80																								
	Storage tanks (total)		28				100									X					71%	0.00%			
	Storage tanks (per tk)		7				25						* assumed = acid gas												

Control Efficiencies

Valves		Pump seals		Connectors		Flanges		Open lines		Other	
gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq

67% 61% 45%

Total Fittings

Valves		Pump seals		Connectors		Flanges		Open lines		Other	
gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq
3382	235	71	21	0	100	6726	527	444	37	64	4

Emission Calculations--VOCs				Factors		(kg/hr/source)								
(lb/yr)	Valves		Pump seals		Connectors		Flanges		Open lines		Other		Total	
Unit	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	(lb/yr)	
	4.5E-03	2.5E-03	2.4E-03	1.3E-02	2.0E-04	2.1E-04	3.9E-04	1.1E-04	2.0E-03	1.4E-03	8.8E-03	7.5E-03		
EU 79														
Fuel gas	415	0	20	0	0	0	136	0	0	0	106	0	677	
Inlet gas	10379	0	163	0	0	0	2704	0	1391	0	672	0	15309	
Scrubber oil gas	3518	0	132	0	0	0	403	0	937	0	121	0	5111	
Rich amine	0	0	0	0	0	0	0	0	0	0	0	0	1	
Sweet gas	22	0	0	0	0	0	7	0	5	0	3	0	37	
Dry gas	423	0	0	0	0	0	330	0	114	0	3	0	870	
NGL	0	1155	0	1674	0	0	0	208	0	328	0	207	3571	
Refrigerant	1345	883	93	138	0	0	1060	299	385	243	0	0	4445	
Residue	423	0	7	0	0	0	110	0	38	0	0	0	578	
"S" Plant units	302	50	122	0	0	0	595	28	0	0	224	0	1321	
"S" Plant refrig	258	169	139	413	0	0	225	64	0	0	170	145	1582	
EU 80													0	
Storage tanks (total)	0	964	0	0	0	289	0	0	0	0	0	0	1253	
													lb/yr	tpy
													34755	17
													100% safety factor	35

Emission Calculations -- H2S														
(lb/yr)	Valves		Pump seals		Connectors		Flanges		Open lines		Other		Total	
Unit	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	(lb/yr)	
	4.5E-03	2.5E-03	2.4E-03	1.3E-02	2.0E-04	2.1E-04	3.9E-04	1.1E-04	2.0E-03	1.4E-03	8.8E-03	7.5E-03		
Inlet gas	304	0	5	0	0	0	79	0	41	0	20	0	449	
Rich amine	0	155	0	0	0	0	0	53	0	46	0	23	277	
"S" Plant units	9	1	4	0	0	0	17	1	0	0	7	0	39	
													lb/yr	tpy
													765	0.4
													100% safety factor	1

Gas Analyses

Inlet gas composition

Component	MW	Wet vol/mol %	Dry vol/mol %	MW * dry vol %	LHV Btu/scf	Btu/scf * dry vol %	Mass Fraction (dry)	Spec. Volume ft³/lb	Spec. Volume VOC ft³/lb
Water	18.02	2.79%						21.06	
Nitrogen	28.01	1.25%	1.29%	0.360	0	0.00	1.70%	13.547	
CO ₂	44.01	1.15%	1.18%	0.521	0	0.00	2.46%	8.623	
H ₂ S	34.08	0.39%	0.40%	0.137	586.71	2.35	0.65%	11.136	
Methane	16.04	77.53%	79.76%	12.795	909.1	725.05	60.40%	23.65	
Ethane	30.07	8.76%	9.01%	2.710	1617.8	145.79	12.79%	12.62	
Propane	44.10	4.21%	4.33%	1.910	2315.9	100.30	9.01%	8.606	4.456
I-Butane	58.12	0.19%	0.20%	0.114	3001	5.87	0.54%	6.529	0.153
N-Butane	58.12	1.65%	1.70%	0.987	3010.5	51.10	4.66%	6.529	1.325
I-Pentane	72.15	0.68%	0.70%	0.505	3697.9	25.87	2.38%	5.26	0.440
N-Pentane	72.15	0.65%	0.67%	0.482	3706.8	24.79	2.28%	5.26	0.421
Hexanes +	86.18	0.75%	0.77%	0.665	4403.9	33.98	3.14%	4.404	0.406
Total		100%	1.00	21.18		1115	100%		7.201
Dry total		97.21%	(mixture mol. wt) (mixture heating value)						
	NMHC	16.89%							
	NMEHC (VOC)	8.13%	22.01%						

Residue gas composition

Component	MW	Wet vol/mol %	Dry vol/mol %	MW * dry vol %	LHV Btu/scf	Btu/scf * dry vol %	Mass Fraction (dry)	Spec. Volume ft³/lb	Spec. Volume VOC ft³/lb
Water	18.02	0.00%						21.06	
Nitrogen	28.01	2.16%	2.16%	0.605	0	0.00	3.54%	13.547	
CO ₂	44.01	0.00%	0.00%	0.000	0	0.00	0.00%	8.623	
H ₂ S	34.08	0.00%	0.00%	0.000	586.71	0.00	0.00%	11.136	
Methane	16.04	93.08%	93.10%	14.936	909.1	846.36	87.42%	23.65	
Ethane	30.07	4.15%	4.15%	1.248	1617.8	67.15	7.31%	12.62	
Propane	44.10	0.38%	0.38%	0.168	2315.9	8.80	0.98%	8.606	5.543
I-Butane	58.12	0.07%	0.07%	0.041	3001	2.10	0.24%	6.529	0.775
N-Butane	58.12	0.10%	0.10%	0.058	3010.5	3.01	0.34%	6.529	1.107
I-Pentane	72.15	0.02%	0.02%	0.014	3697.9	0.74	0.08%	5.26	0.178
N-Pentane	72.15	0.02%	0.02%	0.014	3706.8	0.74	0.08%	5.26	0.178
Hexanes +	86.18	0.00%	0.00%	0.000	4403.9	0.00	0.00%	4.404	0.000
Total		100%	1.00	17.08		929	100%		7.781
Dry total		100.0%	(mixture mol. wt) (mixture heating value)						
NMHC		4.74%							
NMEHC (VOC)		0.59%	1.73%						

Product (liquid) composition

Component	MW	Wet vol/mol %	Dry vol/mol %	MW * dry vol %	LHV Btu/scf	Btu/scf * dry vol %	Mass Fraction (dry)	Spec. Volume ft³/lb	Spec. Volume VOC ft³/lb
Water	18.02	0.00%						21.06	
Nitrogen	28.01	0.00%	0.00%	0.000	0	0.00	0.00%	13.547	
CO₂	44.01	0.00%	0.00%	0.000	0	0.00	0.00%	8.623	
H₂S	34.08	0.00%	0.00%	0.000	586.71	0.00	0.00%	11.136	
Methane	16.04	0.35%	0.35%	0.056	909.1	3.18	0.13%	23.65	
Ethane	30.07	40.75%	40.75%	12.254	1617.8	659.25	28.40%	12.62	
Propane	44.10	34.10%	34.10%	15.037	2315.9	789.72	34.86%	8.606	4.982
I-Butane	58.12	4.61%	4.61%	2.679	3001	138.35	6.21%	6.529	0.511
N-Butane	58.12	12.00%	12.00%	6.975	3010.5	361.26	16.17%	6.529	1.330
I-Pentane	72.15	1.64%	1.64%	1.183	3697.9	60.65	2.74%	5.26	0.146
N-Pentane	72.15	4.91%	4.91%	3.543	3706.8	182.00	8.21%	5.26	0.438
Hexanes +	86.18	1.64%	1.64%	1.413	4403.9	72.22	3.28%	4.404	0.123
Total		100%	1.00	43.14		2267	100%		7.531
Dry total		100.0%	(mixture mol. wt) (mixture heating value)						
	NMHC	99.65%							
	NMEHC (VOC)	58.90%					71.47%		

Acid gas composition

Component	MW	Wet vol/mol %	Dry vol/mol %	MW * dry vol %	LHV Btu/scf	Btu/scf * dry vol %	Mass Fraction (dry)	Spec. Volume ft³/lb	Spec. Volume VOC ft³/lb
Water	18.02	6.00%						21.06	
Nitrogen	28.01	0.00%	0.00%	0.000	0	0.00	0.00%	13.547	
CO₂	44.01	74.88%	79.66%	35.058	0	0.00	83.86%	8.623	
H₂S	34.08	18.00%	19.15%	6.526	586.71	112.35	15.61%	11.136	
Methane	16.04	1.00%	1.06%	0.171	909.1	9.67	0.41%	23.65	
Ethane	30.07	0.10%	0.11%	0.032	1617.8	1.72	0.08%	12.62	
Propane	44.10	0.00%	0.00%	0.000	2315.9	0.00	0.00%	8.606	0.000
I-Butane	58.12	0.00%	0.00%	0.000	3001	0.00	0.00%	6.529	0.000
N-Butane	58.12	0.00%	0.00%	0.000	3010.5	0.00	0.00%	6.529	0.000
I-Pentane	72.15	0.00%	0.00%	0.000	3697.9	0.00	0.00%	5.26	0.000
N-Pentane	72.15	0.00%	0.00%	0.000	3706.8	0.00	0.00%	5.26	0.000
Hexanes +	86.18	0.02%	0.02%	0.018	4403.9	0.94	0.04%	4.404	4.404
Total		100%	1.00	41.81		125	100%		4.404
Dry total		94.0%	(mixture mol. wt) (mixture heating value)						
	NMHC	0.12%							
	NMEHC (VOC)	0.02%					0.04%		

Refrigerant composition

[illegible]

TABLE 6-18

FUGITIVE EMISSIONS (FUG2)
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

Fugitive Emissions--2nd Treater

Emission Unit: EU81
Stack ID: FUG 2
Source Description: Fugitive Emissions
emission factors from EPA-453/R-95-017

Components

Emission Calculations--VOCs													Factors (kg/hr/source)		
(lb/yr)	Valves		Pump seals		Connectors		Flanges		Open lines		Other				
Stream	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq			
kg/hr	4.5E-03	2.5E-03	2.4E-03	1.3E-02	2.0E-04	2.1E-04	3.9E-04	1.1E-04	2.0E-03	1.4E-03	8.8E-03	7.5E-03			
Inlet gas	20	20	0	0	6	6	80	60	10	0	10	0			
Rich amine		64		2		26		164		1		1			
													VOC %	VOC leakage	
leakage, lb/yr													total lb		
Inlet gas	1734.48	963.60	0.00	0.00	23.13	24.28	601.29	127.20	385.44	0.00	1695.94	0.00	5555.3	22.01%	1223
Rich amine	0.00	3083.52	0.00	501.07	0.00	105.23	0.00	347.67	0.00	26.98	0.00	144.54	4209.0	0.04%	2
														0.61	tpy

Emission Calculations -- H2S													Factors (kg/hr/source)		
(lb/yr)	Valves		Pump seals		Connectors		Flanges		Open lines		Other				
Stream	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq	gas	liq			
Ig/hr	4.5E-03	2.5E-03	2.4E-03	1.3E-02	2.0E-04	2.1E-04	3.9E-04	1.1E-04	2.0E-03	1.4E-03	8.8E-03	7.5E-03			
Inlet gas	20	20	0	0	6	6	80	60	10	0	10	0			
Rich amine	0	64	0	2	0	26	0	164	0	1	0	1			
													H2S %	H2S leakage	
leakage, lb/yr															
Inlet gas	1734.48	963.60	0.00	0.00	23.13	24.28	601.29	127.20	385.44	0.00	1695.94	0.00	5555.3	0.65%	36
Rich amine	0.00	3083.52	0.00	501.07	0.00	105.23	0.00	347.67	0.00	26.98	0.00	144.54	4209.0	15.61%	657
														0.35	tpy

Gas Analyses

(from application for 1092-M4)

Inlet gas composition

Component	MW	Wet vol/mol%	Dry vol/mol%	MW * dry vol %	LHV Btu/scf	Btu/scf * dry vol %	Mass Fraction (dry)	Spec. Volume ft³/lb	Spec. Volume VOC ft³/lb
Water	18.02	2.79%						21.06	
Nitrogen	28.01	1.25%	1.29%	0.360	0	0.00	1.70%	13.547	
CO₂	44.01	1.15%	1.18%	0.521	0	0.00	2.46%	8.623	
H₂S	34.08	0.39%	0.40%	0.137	586.71	2.35	0.65%	11.136	
Methane	16.04	77.53%	79.76%	12.795	909.1	725.05	60.40%	23.65	
Ethane	30.07	8.76%	9.01%	2.710	1617.8	145.79	12.79%	12.62	
Propane	44.10	4.21%	4.33%	1.910	2315.9	100.30	9.01%	8.606	4.456
I-Butane	58.12	0.19%	0.20%	0.114	3001	5.87	0.54%	6.529	0.153
N-Butane	58.12	1.65%	1.70%	0.987	3010.5	51.10	4.66%	6.529	1.325
I-Pentane	72.15	0.68%	0.70%	0.505	3697.9	25.87	2.38%	5.26	0.440
N-Pentane	72.15	0.65%	0.67%	0.482	3706.8	24.79	2.28%	5.26	0.421
Hexanes +	86.18	0.75%	0.77%	0.665	4403.9	33.98	3.14%	4.404	0.406
Total		100%	1.00	21.18		1115	100%		7.201
Dry total			97.21%	(mixture mol. wt)		(mixture heating value)			
	NMHC	16.89%							
	NMEHC (VOC)	8.13%					22.01%		

Acid gas composition

Component	MW	Wet vol/mol%	Dry vol/mol%	MW * dry vol %	LHV Btu/scf	Btu/scf * dry vol %	Mass Fraction (dry)	Spec. Volume ft³/lb	Spec. Volume VOC ft³/lb
Water	18.02	6.00%						21.06	
Nitrogen	28.01	0.00%	0.00%	0.000	0	0.00	0.00%	13.547	
CO₂	44.01	74.88%	79.66%	35.058	0	0.00	83.86%	8.623	
H₂S	34.08	18.00%	19.15%	6.526	586.71	112.35	15.61%	11.136	
Methane	16.04	1.00%	1.06%	0.171	909.1	9.67	0.41%	23.65	
Ethane	30.07	0.10%	0.11%	0.032	1617.8	1.72	0.08%	12.62	
Propane	44.10	0.00%	0.00%	0.000	2315.9	0.00	0.00%	8.606	0.000
I-Butane	58.12	0.00%	0.00%	0.000	3001	0.00	0.00%	6.529	0.000
N-Butane	58.12	0.00%	0.00%	0.000	3010.5	0.00	0.00%	6.529	0.000
I-Pentane	72.15	0.00%	0.00%	0.000	3697.9	0.00	0.00%	5.26	0.000
N-Pentane	72.15	0.00%	0.00%	0.000	3706.8	0.00	0.00%	5.26	0.000
Hexanes +	86.18	0.02%	0.02%	0.018	4403.9	0.94	0.04%	4.404	4.404
Total		100%	1.00	41.81		125	100%		4.404
Dry total			94.0%	(mixture mol. wt)		(mixture heating value)			
	NMHC	0.12%							
	NMEHC (VOC)	0.02%					0.04%		

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)

TABLE 6a-1
ESTIMATION OF FACILITY-WIDE GHG EMISSIONS
JAL #3 GAS PLANT
ET GATHERING & PROCESSING LLC
LEA COUNTY, NEW MEXICO

GHG Emission Source	Total GHG Emissions	
	(m.t. CO ₂ e)	(tons CO ₂ e)
Natural Gas Combustion	5,912,213	6,517,091
Fugitives	1,555,545	1,714,693
Amine Unit		
Estimated Facility Emissions:	7,467,758	8,231,784

Conversion Factors		Global Warming Potential	
1.10231	ton/m.t.	CO ₂	1
0.001	m.t./kg	CH ₄	25
8,760	Hrs/yr	N ₂ O	298

CO ₂ (mol %)	CH ₄ (mol %)	C ₂ H ₆ (mol %)	C ₃ H ₈ (mol %)	C ₄ H ₁₀ (mol %)	C5+ (mol %)
2.45766	60.39883	12.79118	9.01497	5.19325	7.85526

* Processing emissions for compressor, venting and flaring estimated using EPA's 40 CFR Subpart W Onshore Natural Gas Processing Screening Tool
Mole % CO₂ for Acid gas venting used for screening obtained from process simulation data.

Note:
Carbon Dioxide Equivalent (CQe) emissions are calculated in the tables below by multiplying emissions by global warming potentials for each pollutant.
Emissions estimates converted to short tons in the tables below using conversion factor from 40 CFR 98 Subpart A for comparison to PSD/TV thresholds.
Global Warming Potentials obtained from 40 CFR 98 Supart A, Table A-1.
Mol % values obtained from the gas analysis from a representative facility.

Natural Gas Combustion Emissions

Emissions Source	Emission Point Identification	Rated Horsepower	Capacity (MMBtu/hr)	Emissions Factors ¹			Emissions (m.t.)			Emissions (m.t. CO ₂ e)			Total Emissions	
				CO ₂ (kg/MMBtu)	CH ₄ (kg/MMBtu)	N ₂ O (kg/MMBtu)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	(m.t. CO ₂ e)	(tons CO ₂ e)
CATERPILLAR 3612 (C1)	C1	3,550	26.72	58.32	0.0011	0.00011	13,651.70	0.26	0.026	13,651.70	6.44	7.67	13,666	15,064
CATERPILLAR 3612 (C2)	C2	3,550	26.72	58.32	0.0011	0.00011	13,651.70	0.26	0.026	13,651.70	6.44	7.67	13,666	15,064
C3	C3	3,550	26.72	58.32	0.0011	0.00011	13,651.70	0.257	0.0257	13,651.70	6.44	7.67	13,666	15,064
CATERPILLAR 3612 (C4)	C4	3,550	26.72	58.32	0.0011	0.00011	13,651.70	0.257	0.0257	13,651.70	6.44	7.67	13,666	15,064
CATERPILLAR 3606 (C5)	C5	1,875	14.09	58.32	0.0011	0.00011	7,200.83	0.136	0.0136	7,200.83	3.40	4.05	7,208	7,946
CATERPILLAR 3606 (C6)	C6	1,875	14.09	58.32	0.0011	0.00011	7,200.83	0.136	0.0136	7,200.83	3.40	4.05	7,208	7,946
HOT OIL HEATER (12H)	12H	--	28.00	58.32	0.0011	0.00011	14,305.22	0.270	0.0270	14,305.22	6.75	8.04	14,320	15,785
DEHY REBOILER (13H)	13H	--	2.00	58.32	0.0011	0.00011	1,021.80	0.019	0.0019	1,021.80	0.48	0.57	1,023	1,128
STABILIZER HEATER (14H)	14H	--	10.00	58.32	0.0011	0.00011	5,109.01	0.096	0.0096	5,109.01	2.41	2.87	5,114	5,638
Total Natural Gas Combustion:													89,537	98,697

Notes:
1. Emission factors for GHG obtained from 40 CFR 98 Supart C, Tables C-1 and C-2.

Source ID Number	Description	Maximum Hours of Operation	Annual Gas Usage (scf/yr)	Annual Gas Processed (scf/yr)	CO ₂ (mol %)		CH ₄ (mol %)		Emission Factor N ₂ O (m.t./MMscf)	Emissions (m.t.)			Global Warming Potential			Emissions (m.t. CO ₂ e)			Total Emissions	
										CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	(m.t. CO ₂ e)	(tons CO ₂ e)
8F	PLANT FLARE (8F)	8,760	129,772	364,692,733	0.000	0.00	7.10E-07	1,380,367.17	0.1816	0.0002589	1	25	298	1,380,367.17	4.54	0.07716	1,380,371.79	1,521,597.63		
10F	PLANT FLARE (10F)	8,760	2,083,333	17,708,333	0.025	0.60	7.10E-07	67,599.53	4.0930	0.0000126	1	25	298	67,599.53	102.32	0.00375	67,701.86	74,628.44		
9F	TREATMENT FLARE (9F)	8,760	130,304	1,141,460,382	0.895	0.01	7.10E-07	4,374,531.34	2.8231	0.0008104	1	25	298	4,374,531.34	70.58	0.24151	4,374,602.16	4,822,167.71		
Total Flare Combustion:																			1,380,371.79	6,418,393.78

Note - CO₂ and N₂O Emissions estimated using API Compendium Section 4.6

Amine Units - without process simulation

Source ID Number	Description	Maximum Days of Operation	Annual Gas Processed (MMscf/yr)	Conversion Factor (m.t./ton)	Emissions ¹			Global Warming Potential			Emissions (m.t. CO ₂ e)			Total Emissions	
					CO ₂ (tons)	CH ₄ (tons)	N ₂ O (tons)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	(m.t. CO ₂ e)	(tons CO ₂ e)
AMINE	MINE UNIT VENT (AMINE-1)	0	1.10231		19,434.65	45.75	--	1	25	298	17,630.84	1,037.51	--	18,668.34	20,578.30

Emissions estimated using process simulation and a natural gas feed rate of 60 and 40 MMcf/day.

Vented Sources

Emissions Source	Emission Point Identification	Days of Operation	Annual Gas Processed (MMscf/yr)	Default CH ₄ (mol %)	CO ₂ (mol %)	CH ₄ (mol %)	Emission Factor CH ₄ (m.t./MMscf)	Emissions (m.t.)			Global Warming Potential			Emissions (m.t. CO ₂ e)			Total Emissions	
								CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	(m.t. CO ₂ e)	(tons CO ₂ e)
Pneumatic Devices 1	--	365	40,150	0.868	2.458	60.40	0.0001425	44.55	398.12	--	1	25	298	44.55	9,952.89	--	9,997.44	11,020.28

Note - Emissions estimated using API Compendium Sections 5.7.3 and 6.1 for non-routine events and pneumatic devices

Fugitive Sources

Emissions Source	Emission Point Identification	Annual Condensate Production (bbl/yr)	Annual Condensate Production (1,000 gal/yr)	Default Liquid CH ₄ Content ¹ (mol %)	Emission Factor VOC (lb/1,000 gal)	Emissions		Control (%)	Controlled VOC (m.t.)	Emissions ¹ CH ₄ (m.t.)	Total Emissions	
						VOC (tons)	VOC (m.t.)			CH ₄	(m.t. CO ₂ e)	(tons CO ₂ e)
Condensate Truck Loading 1	LOADOUT	292,000	12,264	27.40	4.79	29.35	26.63	0%	26.63	7.30	182.39	182.39
Scrubber Oil	LOAD	17,520	736	28.40	-	0.76	0.69	0%	0.69	0.20	4.90	4.90

Notes:
1. Default CH₄ content for crude oil per API compendium Section 5.4 and Appendix B.
2. Emissions estimated using API Compendium, Section 5.5.

Emissions Source	Emission Point Identification	Days of Operation	Annual Gas Processed (MMscf/yr)	Emission Factor CH ₄ (m.t./MMscf processed)	Conversion Factor (ton/m.t.)	Emissions					Global Warming Potential		Emissions		Total Emissions		
	Default CH ₄ (mol %)		CO ₂ CH ₄ (mol %)	CH ₄ (mol %)	CO ₂ CH ₄ (mol wt)	CO ₂ (m.t.)	CH ₄ (m.t.)	CO ₂ (m.t. CO ₂ e)	CH ₄ (m.t. CO ₂ e)	(m.t. CO ₂ e)	(tons CO ₂ e)						
Plant Fugitives 1	FUG-1	365	40,150	0.0025	1.10231	0.868	0.041	60.399	2.75	781.557	6984.48	1	25	781.56	174,612.12	175,393.68	193,338.20

Note - Emissions estimated using API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry Table 6-1

Emissions Source	Emission Point Identification	Days of Operation	Annual Operating Hours (hrs/yr)	Emission Factor CH ₄ (m.t./runtime hr)	Conversion Factor (ton/m.t.)	Emissions				Global Warming Potential				Emissions		Total Emissions		
						Default CH ₄ (mol %)	CO ₂ /CH ₄ (mol %)	CH ₄ (mol %)	CO ₂ /CH ₄ (mol wt)	No. of Comps.	CO ₂ (m.t.)	CH ₄ (m.t.)	CO ₂	CH ₄	(m.t. CO ₂ e)	(m.t. CO ₂ e)	(m.t. CO ₂ e)	(tons CO ₂ e)
Reciprocating Comp. Fugitive 1	FUG-1	365	8,760	0.00895	1.10231	0.868	0.041	60.399	2.75	10	6,104.674	54555.18	1	25	6104.67	1,363,879.40	1,369,984.07	1,510,147.14

Note - Emissions estimated using API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry Table 6-1

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.
-

Supporting documentation is provided in the following pages.



Bryan Research & Engineering, LLC

ProMax[®] 6.0

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Simulation Report

Project: Jal 3 Amine Final Design 400 gpm.pmx

Licensed to Energy Transfer Equity, LP and Affiliates

Client Name: ET Gathering & Processing LLC

Location: Jal #3

Job: NSR Permit Revision

ProMax Filename: C:\Users\jvanassche\OneDrive - Energy Transfer\Permitting\Jal 3\2024-02 NSR Amendment\Working Files\ProMax\Jal 3 Amine Final Design 400 gpm.pmx

ProMax Version: 6.0.22251.0

Simulation Initiated: 8/16/2024 2:35:34 PM

Bryan Research & Engineering, LLC

Chemical Engineering Consultants

P.O. Box 4747 Bryan, Texas 77805

Office: (979) 776-5220

FAX: (979) 776-4818

<mailto:sales@bre.com>

<http://www.bre.com/>

Report Navigator can be activated via the ProMax Navigator Toolbar.

An asterisk (*), throughout the report, denotes a user specified value.

A question mark (?) after a value, throughout the report, denotes an extrapolated or approximate value.

Names	Units	FT-FS1	FT-FS1A	FT-F1	FT-P3	FT-T1	FT-V2	FT-P7	FT-600AB
Temperature	°F	100°	120	137.96	121.04	100	190°	299.75	120.88
Pressure	psig	850°	542	70	600°	550	65	82	1300°
Mass Density	lb/ft³	2.2870	2.0765	65.53	63.916	2.2879	62.345	54.909	68.681
Specific Gravity		0.74631	0.72496	1.0507	1.0248	0.74631		0.88039	1.1012
API Gravity				0.86859	4.4594			11.197	-6.8641

Properties	To Pipeline
Temperature(Total)	133 °F
Pressure(Total)	1093 psig
Std Vapor Volumetric Flow (Total)	67.9 MMSCFD
Analysis	To Pipeline
Water Content(Freeze 1, Total)	8.03 lbm/MMSCF
Water Dew Point(Freeze 1, Total)	41.9 °F

Properties	FT-600AB
Temperature(Total)	120.88 °F
Pressure(Total)	1300° psig
Mass Density(Total)	68.681 lb/ft³
Specific Gravity(Total)	1.1012
API Gravity(Total)	-6.8641

120 °F
1.8 psig
52.8 MSCFD
1201.7 Btu/ft³

XF62

TEG BTEX Vapors

VSSL-102

FAXR-100

MKUP-1

TEG Cooler

PUMP-100

DTWR-100

PUMP-101

RCYL-1

FT-600AB

VLVE-100

VLVE-101

VLVE-102

VSSL-100

XCHG-103

XCHG-102

Reboiler_Q 1.1 MMBtu/h

VLVE-103

TEG Still

VSSL-103

K-100

Composition

H2O(Mass Fraction, Total)

0.967 %

XCHG-101

XCHG-100

2

To Dehy

129.9 °F

1093 psig

VSSL-101

29

132.71 °F

1092.5 psig

To Pipeline

120 °F

48 psig

18 sgpm

Q-1

Q-2

Q-3

Q-4

Q-5

Q-6

Q-7

Q-8

Q-9

Q-10

Q-11

Q-12

Q-13

Q-14

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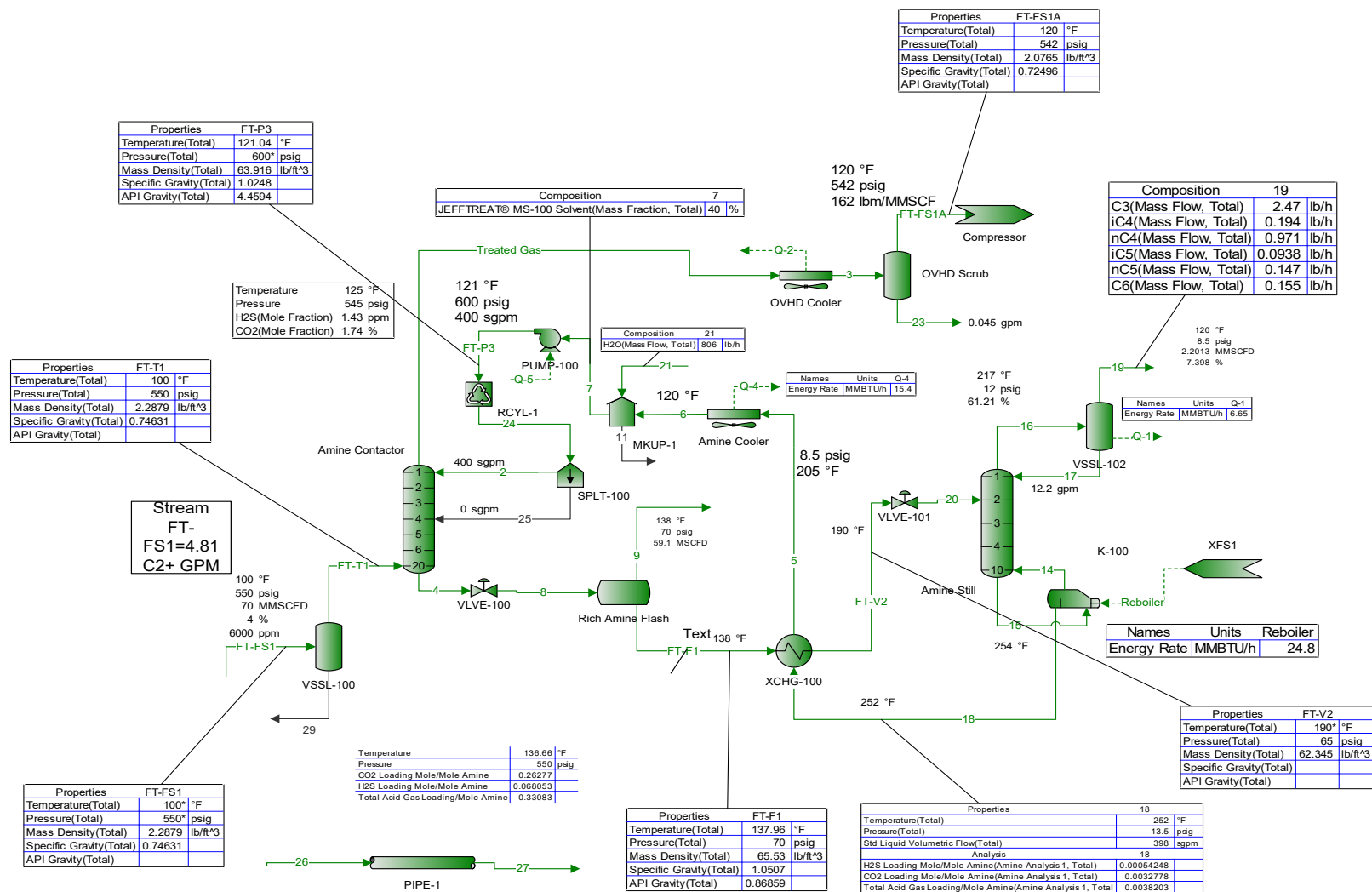
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Process Streams			FIT-600AB TEG BTX Vapors			TEG Makeup To Pipeline			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	19	20	21	22	24	25	26	28	30	32	35	36			
Composition		Status:	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved	Solved				
Phase: Total		From Block:	PUMP-101	VSSL-102	--	DTWR-100	XCHG-102	PUMP-100	--	To Dehy	DTWR-100	VLVE-100	VSSL-100	VSSL-100	VSSL-100	XCHG-103	K-100	TEG Still	VSSL-103	TEG Still	VLVE-103	VSSL-103	XCHG-102	XCHG-102	TEG Cooler	RCYL-1	VLVE-101	--	K-100	FAXR-100	VSSL-102	VSSL-103	VSSL-101	MKUP-1	MKUP-1	PUMP-100	--			
Mole Fraction		To Block:	RCYL-1	XFS2	MKUP-1	--	--	--	--	VSSL-101	VLVE-100	XCHG-103	VLVE-101	VLVE-102	VSSL-100	VSSL-103	TEG Still	TEG Still	TEG Still	TEG Still	TEG Still	TEG Still	TEG Still	TEG Still	MKUP-1	DTWR-100	VLVE-101	--	XCHG-102	FAXR-100	VSSL-102	VSSL-103	VSSL-101	MKUP-1	MKUP-1	TEG Cooler	K-100			
			%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%			
H2S			0	0.00205794		0	0.000141260	3.28716E-08	5.85173E-05	0.000124832	0.000157050	0.000836982					0.000157050	4.45830E-06	1.28510E-06	0.000518100	0.000493487	0.000130679	0.000130679	0.000130679	3.28716E-08	0	0.000836982			3.28716E-08	0.000518100	2.25162E-06	1.21367E-06	0.000124832	6.23036E-06	0	0.328716E-08	3.28716E-08	0	
H2O			7.69872			89.2888	0.0169036	7.52247	0.258323	0.254477	24.5577	74.4824	24.5577	74.4824	25.4896	25.4896	74.4824	25.4896	74.4824	25.4896	74.4824	25.4896	74.4824	25.4896	74.4824	7.0287	0.531053			7.0287	99.9839	93.4200	0.254477	99.9839	7.69872	7.52247	7.69872	0		
N2			0.000106555	1.37092			0.23085	0.000106785	2.06024	2.02498	0.0192579	0.0192579	0.503480				0.0192579	0.299683	6.86826E-05	0.344206	0.327644	0.000477348	0.000477348	0.000477348	0.000106785	0.000105980	0.503480			1.45922E-05	1.06902E-05	2.02498	0.00145176	0.000106555	0.000106785	0.000106785	2			
CO2			0.000733474	4.82616			0.174175	0.000735058	0.0299434	1.74233	0.458768	0.458768	6.1637				0.458768	0.302598	0.00135933	1.21235	1.15466	0.219946	0.000735058	0.000729536	6.1637					0.0012078	0.000788992	1.74233	0.000733474	0.000735058	0.000735058	2				
C1			0.0103439	65.3813			78.7222	0.0104575	79.8366	78.5161	2.44601	2.44601	59.9323				2.44601	13.6383	0.00816555	16.4077	15.6264	0.216411	0.216411	0.216411	0.0104575	0.0103786	59.9323			0.00140575	0.00140575	78.5161	0.0027716	0.0103439	0.0104575	0.0104575	91			
C2			0.00116186	6.52776			9.84778	0.00116437	10.0004	9.82819	0.792717	0.792717	16.1231				0.792717	0.751035	0.00136555	1.63819	1.56019	0.198128	0.198128	0.198128	0.00116437	0.00115560	16.1231			0.00116437	0.00116437	9.82819	0.00981968	0.00116186	0.00116437	0.00116437	5			
C3			5.71429E-06	3.42932			4.56800	5.72663E-06	4.64119	4.56134	0.558281	0.558281	9.35694				0.558281	0.00245231	0.00068443	0.860592	0.819617	0.217028	0.217028	0.217028	5.72663E-06	5.71186E-06	9.35694			5.72663E-06	0.860592	4.56134	0.00237851	5.71429E-06	5.72663E-06	5.72663E-06	0			
IC4			1.51640E-06	0.496541			0.504190	1.51967E-06	0.512327	0.503535	0.0679783	0.0679783	0.101408				0.0679783	0.000513533	0.000143991	0.124604	0.118871	0.0314235	0.0314235	0.0314235	1.51967E-06	1.51967E-06	0.101408			1.51967E-06	0.124604	0.503535	0.00019301	1.51640E-06	1.51967E-06	1.51967E-06	0			
IC5			1.14689E-05	2.13958			1.24378	1.15108E-05	1.26487	1.24307	0.240516	0.240516	2.95049				0.240516	0.00323000	0.000907161	0.538929	0.135410	0.135410	0.135410	1.15108E-05	1.14824E-05	2.95049			1.15108E-05	0.538929	3.71625E-05	9.84244E-05	1.24307	0.00053827	1.14689E-05	1.15108E-05	1.15108E-05	0		
IC6			0.105895E-06	0.884253			0.359763	1.08832E-05	0.366040	0.359738	0.0832661	0.0832661	0.787141				0.0832661	0.00222021	0.000625824	0.211899	0.211334	0.0559663	0.0559663	0.0559663	1.08832E-05	1.08543E-05	0.787141			1.08832E-05	0.211899	9.20622E-06	3.45887E-05	0.359738	5.55194E-05	0.105895E-06	1.08832E-05	1.08832E-05	0	
IC5			1.68765E-05	1.13801			0.359494	1.69129E-05	0.366004	0.359697	0.101141	0.101141	0.851760				0.101141	0.00316471	0.000812972	0.285574	0.271977	0.0720284	0.0720284	0.0720284	1.69129E-05	1.68765E-05	0.851760			1.69129E-05	0.285574	6.72829E-06	4.58126E-05	0.359697	3.43375E-05	1.69129E-05	1.69129E-05	0		
IC6			0.000248326	3.52004			0.604911	0.000248862	0.617061	0.606451	0.264497	0.264497	1.33574				0.264497	0.0213822	0.00613713	0.883319	0.841264	0.222949	0.222949	0.222949	0.000248862	0.000248247	1.33574			0.000248862	0.883319	1.29515E-05	0.000152488	0.606451	2.66515E-05	0.000248326	0.000248862	0.000248862	0	
TEG			92.2885	1.47066E-08		10.7114	0.000212215	92.4647		0	70.4097	70.4097	0.000274678				70.4097	5.83015	72.2229	0.00196013	0.315074	73.1405	73.1405	73.1405	92.4647					92.4647	0.00196013	0.00261677	6.57734	0	92.2885	92.4647	92.4647	0		
MDEA			2.88326E-05	1.74564E-06			6.61936E-10	2.88949E-05		0	2.21555E-05	2.21555E-05	1.82296E-09				2.21555E-05	7.21601E-06	2.40697E-05	6.29567E-07	6.98374E-07	2.30148E-05	2.30148E-05	2.30148E-05	2.88949E-05	1.82296E-09			2.88949E-05	6.29567E-07	2.55680E-07	2.07450E-06		0	2.88326E-05	2.88949E-05	2.88949E-05	0		
O2			0	0			0	0		0	0	0	0				0	0	0	0	0	0	0	0	0	0			0		0	0	0	0	0	0	0	0	0	
JEFFTREAT® MS-100 Solvent			0	0			0	0		0	0	0	0				0	0	0	0	0	0	0	0	0	0			0		0	0	0	0	0	0	0	0	0	
CHEMTHERM 550			0	0			0	0		0	0	0	0				0	0	0	0	0	0	0	0	0	0			0		0	0	0	0	0	0	0	0	0	0
Molar Flow			lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h	
H2S			0	0.000119208		0	0.0105270	2.38014E-08	0.00491338	0.0106764	0.000149337	0.000149337	2.97154E-05				0.000149337	1.17590E-06	1.19970E-06	0.000119597	0.000119611	0.000119611	0.000119621	2.38014E-08	0	0.000119597			2.38014E-08	0.000119597	0.389334E-08	1.40081E-08	0.0106764	0	0.389334E-08	0.000119597	0			
H2O			5.58647		0.139661		1.25970	5.44681	21.6900	19.0216	23.3516	23.3516	0.0188540				23.3516	20.8749	26.3217	17.8859	18.9642	23.3327	23.3327	23.3327	5.58647					5.58647	0.107825	17.8859	0	5.58647	0	5.58647	0	5.58647	0	
N2			7.73200E-05	0.0794118			151.344	7.73200E-05	172.987	151.362	0.0183121	0.0183121	0.0178751				0.0183121	0.0790425	6.53117E-05	0.0794143	0.0794143	0.000436956	0.000436956	0.000436956	7.73200E-05	7.69606E-05	0.0178751			7.73200E-05	0.0794143	0.523218E-06	1.23385E-07	151.362	0.0773200E-05	0.0794143	0			
CO2			0.000532236	0.279560			129.799	0.000532236	0.436236	0.436236	0.234902	0.234902	0.0178571				0.436236	0.0798115	0.00128905	0.279857	0.279857	0.000436956	0.000436956	0.000436956	0.000532236	0.279857			0.000532236	0.279857	0.000297545	9.10648E-06	130.235	0.000532236	0.279560	0.0795047	0			
C1			0.000751797	3.78727			5866.57	0.00751797	6707.40	5868.89	2.32588	2.32588	2.12778				2.32588	3.59716	0.00773959	3.78752	3.78753	0.198099	0.198099	0.198099	0.000751797	0.00075141	2.12778			0.000751797	3.78752	0.000423976	1.35280E-05	5868.89	0.00751797	3.78752	3.78752	0		
C2			0.000843087	0.378126			733.880	0.000843087	839.677	734.633	0.753784	0.753784	0.572420				0.753784	1.19809	0.00129495	0.378157	0.378159	0.181363	0.181363	0.181363	0.000843087	0.000838578	0.572420			0.000843087	0.378157	0.000480087	2.18553E-06	734.633	0.000843087	0.378157	0.378157	0		
C3			4.14650E-06	0.198647			340.418	4.14650E-06	389.696	340.949	0.530862	0.530862	0.332200				0.530862	0.00046807	0.000650953	0.198658	0.198659	0.198662	0.198662	0.198662	4.14650E-06	4.14489E-06	0.332200			4.14650E-06	0.198658	0.108662E-05	1.30870E-06	340.949	0.000843087	0.198658	0.198658	0		
IC4			1.80095E-06	6.21023			9.59211	1.80095E-06	9.93543	9.57819	0.220224	0.220224	15.6444				0.220224	0.00081457	0.000286760	1.93537	1.81197	0.0831457	0.0831457	0.0831457	1.80095E-06	1.79936E-06	1.93537			1.80095E-06	6.21023	0.000159614	0.000167203	9.57819	0.00081457	1.80095E-06	1.80095E-06	0		
IC5			6.29625E-07	1.18523			1.39550	6.29625E-07	1.44561	1.39589	0.0353450	0.0353450	2.22689				0.0353450	0.00116275	7.37564E-06	0.389357	0.389357	0.0158683	0.0158683	0.0158683	6.29625E-07	6.29625E-07	2.22689													





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EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name:	Jal #3 South Inlet before Slug Catcher	For:	17034G
Sample Date:	05/25/2023	Cyl. Ident.:	2023069340
Sampled By:	CJ	Company:	Energy Transfer
Time Sampled:	10:10	Analysis Date:	05/26/2023
Sample Temp:	60.0 F	Analysis By:	BH
Sample Press:	568.0	Data File:	LS_8366.D

H2S (PPM) = 6000.0

Component	Mole%	GPM REAL	GPM IDEAL
H2S	0.600		
Nitrogen	1.745		
Methane	73.793		
CO2	3.506		
Ethane	10.755	2.876	2.869
Propane	5.966	1.643	1.639
Isobutane	0.732	0.239	0.239
N-Butane	1.806	0.569	0.568
Isopentane	0.372	0.136	0.136
N-Pentane	0.369	0.134	0.133
Hexanes+	0.356	0.143	0.139
Total	100.000	5.740	5.723

CALCULATED PARAMETERS

TOTAL ANALYSIS SUMMARY

MOLE WT: 22.265
VAPOR PRESS PSIA: 3788.6
SPECIFIC GRAVITY
AIR = 1 (REAL): 0.7641
AIR = 1 (IDEAL): 0.7616
H2O = 1 (IDEAL): 0.366

REPORTED BASIS: 14.73
Unnormalized Total: 99.327

HEATING VALUE

BTU/CUFT (DRY) 1222.6
BTU/CUFT (WET) 1201.8

BTEX SUMMARY

WT% BENZENE 5.717
WT% TOLUENE 2.339
WT% E BENZENE 0.337
WT% XYLENES 0.337

LAB MANAGER

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575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

Sample Name: Jal #3 South Inlet before Slug Catcher
Company: Energy Transfer

Data File: LS_8366.D

***ANALYSIS OF HEXANES PLUS**

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.003	0.012
CYCLOPENTANE	0.029	0.102
2-METHYLPENTANE	0.065	0.250
3-METHYLPENTANE	0.038	0.149
HEXANE (C6)	0.071	0.272
DIMETHYLPENTANES	0.004	0.015
METHYLCYCLOPENTANE	0.033	0.125
2,2,3 TRIMETHYLBUTANE	0.000	0.000
BENZENE	0.018	0.063
CYCLOHEXANE	0.025	0.094
2-METHYLHEXANE	0.006	0.025
3-METHYLHEXANE	0.009	0.040
DIMETHYLCYCLOPENTANES	0.003	0.014
HEPTANE (C7)	0.010	0.044
METHYLCYCLOHEXANE	0.012	0.054
2,5 DIMETHYLHEXANE	0.000	0.001
TOLUENE	0.008	0.034
2-METHYLHEPTANE	0.001	0.006
OTHER OCTANES	0.005	0.021
OCTANE (C8)	0.001	0.003
ETHYLCYCLOHEXANE	0.000	0.001
ETHYL BENZENE	0.001	0.003
M,P-XYLENE	0.001	0.007
O-XYLENE	0.000	0.002
OTHER NONANES	0.000	0.002
NONANE (C-9)	0.000	0.001
IC3 BENZENE	0.000	0.000
CYCLOOCTANE	0.000	0.000
NC3 BENZENE	0.000	0.000
TM BENZENE(S)	0.001	0.004
IC4 BENZENE	0.000	0.000
NC4 BENZENE	0.000	0.000
DECANES + (C10+)	0.004	0.036

***HEXANES PLUS SUMMARY**

AVG MOLE WT	88.670
VAPOR PRESS PSIA	9.860
API GRAVITY @ 60F	69.2
SPECIFIC GRAVITY	
AIR = 1 (IDEAL):	2.975
H2O = 1 (IDEAL):	0.705

COMPONENT RATIOS

HEXANES (C6) MOLE%	57.910
HEPTANES (C7) MOLE%	32.075
OCTANES (C8) MOLE%	7.421
NONANES (C9) MOLE%	0.932
DECANES+ (C10+) MOLE%	1.662
HEXANES (C6) WT%	55.542
HEPTANES (C7) WT%	32.216
OCTANES (C8) WT%	8.354
NONANES (C9) WT%	1.164
DECANES+ (C10+) WT%	2.724

Remarks: spot

* Hexane+ portion calculated by Allocation Process

GAS ENGINE SITE SPECIFIC TECHNICAL DATA

Standard Equipment Company

New Avalon HWY 285 CS

GAS COMPRESSION APPLICATION

ENGINE SPEED (rpm): 1000
 COMPRESSION RATIO: 7.6
 AFTERCOOLER TYPE: SCAC
 AFTERCOOLER - STAGE 2 INLET (°F): 130
 AFTERCOOLER - STAGE 1 INLET (°F): 214
 JACKET WATER OUTLET (°F): 230
 ASPIRATION: TA
 COOLING SYSTEM: JW+1AC, OC+2AC
 CONTROL SYSTEM: ADEM4
 EXHAUST MANIFOLD: DRY
 COMBUSTION: LOW EMISSION
 NOx EMISSION LEVEL (g/bhp-hr NOx): 0.5
 SET POINT TIMING: 17

RATING STRATEGY: STANDARD
 RATING LEVEL: CONTINUOUS
 FUEL SYSTEM: GAV
 WITH AIR FUEL RATIO CONTROL

SITE CONDITIONS:
 FUEL: New Avalon Hwy 285 CS
 FUEL PRESSURE RANGE(psig): (See note 1) 58.0-70.3
 FUEL METHANE NUMBER: 56.7
 FUEL LHV (Btu/scf): 1106
 ALTITUDE(ft): 2950
 MAXIMUM INLET AIR TEMPERATURE(°F): 110
 STANDARD RATED POWER: 1875 bhp@1000rpm

RATING	NOTES	LOAD	MAXIMUM RATING	SITE RATING AT MAXIMUM INLET AIR TEMPERATURE			
			100%	100%	75%	50%	
ENGINE POWER (WITHOUT FAN)	(2)	bhp	1875	1875	1406	938	
INLET AIR TEMPERATURE		°F	110	110	110	110	

ENGINE DATA							
FUEL CONSUMPTION (LHV)	(3)	Btu/bhp-hr	6816	6816	7093	7673	
FUEL CONSUMPTION (HHV)	(3)	Btu/bhp-hr	7517	7517	7823	8462	
AIR FLOW (@inlet air temp, 14.7 psia) (WET)	(4)(5)	ft ³ /min	5030	5030	3806	2609	
AIR FLOW (WET)	(4)(5)	lb/hr	21011	21011	15900	10897	
FUEL FLOW (60°F, 14.7 psia)		scfm	193	193	150	108	
INLET MANIFOLD PRESSURE	(6)	in Hg(abs)	103.9	103.9	79.5	56.2	
EXHAUST TEMPERATURE - ENGINE OUTLET	(7)	°F	813	813	883	966	
EXHAUST GAS FLOW (@engine outlet temp, 14.5 psia) (WET)	(8)(5)	ft ³ /min	11939	11939	9549	6966	
EXHAUST GAS MASS FLOW (WET)	(8)(5)	lb/hr	21645	21645	16395	11254	

EMISSIONS DATA - ENGINE OUT							
NOx (as NO2)	(9)(10)	g/bhp-hr	0.50	0.50	0.50	0.50	
CO	(9)(10)	g/bhp-hr	2.44	2.44	2.44	2.44	
THC (mol. wt. of 15.84)	(9)(10)	g/bhp-hr	3.28	3.28	3.46	3.41	
NMHC (mol. wt. of 15.84)	(9)(10)	g/bhp-hr	1.27	1.27	1.34	1.32	
NMNEHC (VOCs) (mol. wt. of 15.84)	(9)(10)(11)	g/bhp-hr	0.71	0.71	0.75	0.74	
HCHO (Formaldehyde)	(9)(10)	g/bhp-hr	0.23	0.23	0.11	0.12	
CO2	(9)(10)	g/bhp-hr	452	452	466	497	
EXHAUST OXYGEN	(9)(12)	% DRY	11.4	11.4	11.2	10.8	

HEAT REJECTION							
HEAT REJ. TO JACKET WATER (JW)	(13)	Btu/min	21024	21024	17260	14209	
HEAT REJ. TO ATMOSPHERE	(13)	Btu/min	6654	6654	6554	6417	
HEAT REJ. TO LUBE OIL (OC)	(13)	Btu/min	11716	11716	10807	9353	
HEAT REJ. TO A/C - STAGE 1 (1AC)	(13)(14)	Btu/min	17242	17242	8059	1785	
HEAT REJ. TO A/C - STAGE 2 (2AC)	(13)(14)	Btu/min	10754	10754	6829	3715	

COOLING SYSTEM SIZING CRITERIA							
TOTAL JACKET WATER CIRCUIT (JW+1AC)	(14)(15)	Btu/min	45354				
TOTAL STAGE 2 AFTERCOOLER CIRCUIT (OC+2AC)	(14)(15)	Btu/min	27886				
A cooling system safety factor of 10% has been added to the cooling system sizing criteria.							

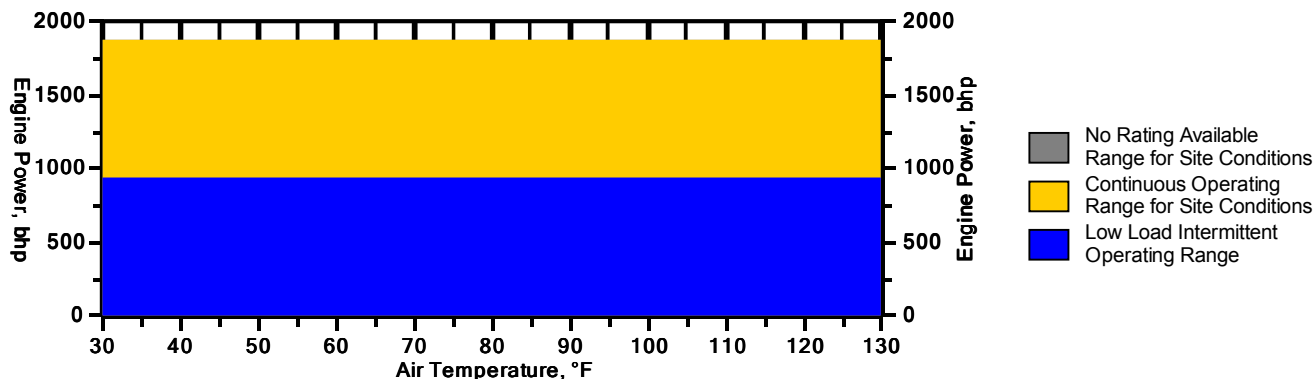
CONDITIONS AND DEFINITIONS

Engine rating obtained and presented in accordance with ISO 3046/1, adjusted for fuel, site altitude and site inlet air temperature. 100% rating at maximum inlet air temperature is the maximum engine capability for the specified fuel at site altitude and maximum site inlet air temperature. Maximum rating is the maximum capability at the specified aftercooler inlet temperature for the specified fuel at site altitude and reduced inlet air temperature. Lowest load point is the lowest continuous duty operating load allowed. No overload permitted at rating shown.

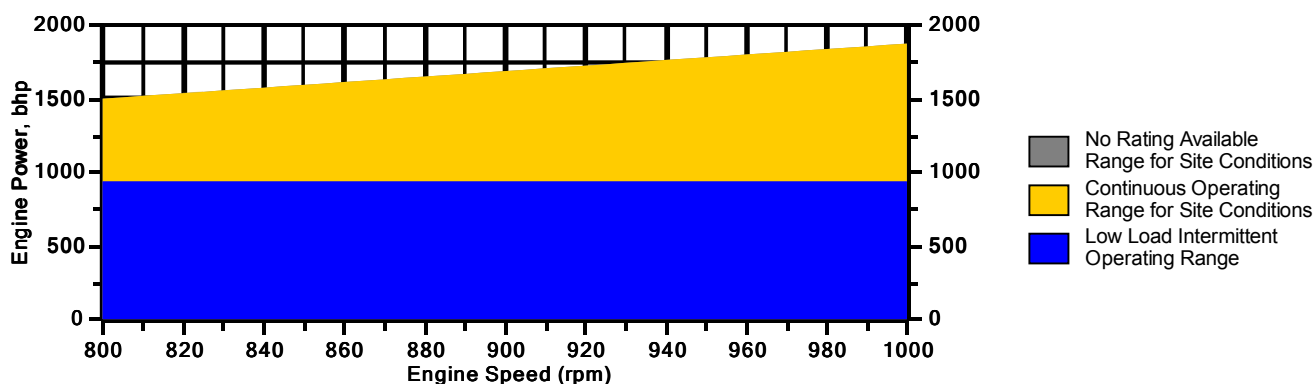
For notes information consult page three.

Engine Power vs. Inlet Air Temperature

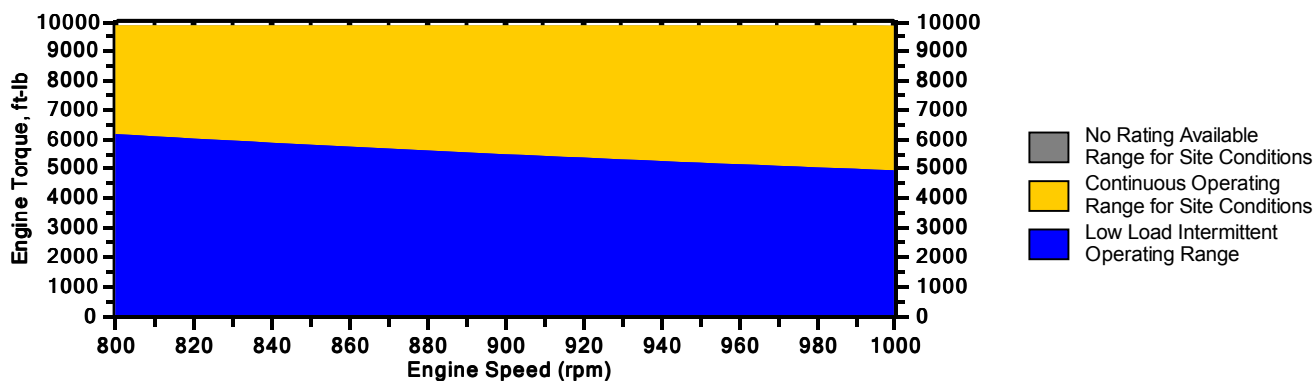
Data represents temperature sweep at 2950 ft and 1000 rpm

**Engine Power vs. Engine Speed**

Data represents speed sweep at 2950 ft and 110 °F

**Engine Torque vs. Engine Speed**

Data represents speed sweep at 2950 ft and 110 °F



Note: At site conditions of 2950 ft and 110°F inlet air temp., constant torque can be maintained down to 800 rpm. The minimum speed for loading at these conditions is 800 rpm.

NOTES

1. Fuel pressure range specified is to the engine gas shutoff valve (GSOV). Additional fuel train components should be considered in pressure and flow calculations.
2. Engine rating is with two engine driven water pumps. Tolerance is $\pm 3\%$ of full load.
3. Fuel consumption tolerance is $\pm 2.5\%$ of full load data.
4. Air flow value is on a 'wet' basis. Flow is a nominal value with a tolerance of $\pm 5\%$.
5. Inlet and Exhaust Restrictions must not exceed A&I limits based on full load flow rates from the standard technical data sheet.
6. Inlet manifold pressure is a nominal value with a tolerance of $\pm 5\%$.
7. Exhaust temperature is a nominal value with a tolerance of $(+63^{\circ}\text{F}, -54^{\circ}\text{F})$.
8. Exhaust flow value is on a "wet" basis. Flow is a nominal value with a tolerance of $\pm 6\%$.
9. Emissions data is at engine exhaust flange prior to any after treatment.
10. Values listed are higher than nominal levels to allow for instrumentation, measurement, and engine-to-engine variations. They indicate the maximum values expected under steady state conditions. Fuel methane number cannot vary more than ± 3 . THC, NMHC, and NMNEHC do not include aldehydes. An oxidation catalyst may be required to meet Federal, State or local CO or HC requirements.
11. VOCs - Volatile organic compounds as defined in US EPA 40 CFR 60, subpart JJJJ
12. Exhaust Oxygen level is the result of adjusting the engine to operate at the specified NOx level. Tolerance is ± 0.5 .
13. Heat rejection values are nominal. Tolerances, based on treated water, are $\pm 10\%$ for jacket water circuit, $\pm 50\%$ for radiation, $\pm 20\%$ for lube oil circuit, and $\pm 5\%$ for aftercooler circuit.
14. Aftercooler heat rejection includes an aftercooler heat rejection factor for the site elevation and inlet air temperature specified. Aftercooler heat rejection values at part load are for reference only. Do not use part load data for heat exchanger sizing.
15. Cooling system sizing criteria are maximum circuit heat rejection for the site, with applied factory tolerances and an additional cooling system factor of 10%.

Constituent	Abbrev	Mole %	Norm
Water Vapor	H2O	0.2700	0.2700
Methane	CH4	78.4700	78.4700
Ethane	C2H6	11.0200	11.0200
Propane	C3H8	4.8400	4.8400
Isobutane	iso-C4H10	0.6000	0.6000
Norbutane	nor-C4H10	1.3600	1.3600
Isopentane	iso-C5H12	0.2900	0.2900
Norpentane	nor-C5H12	0.3100	0.3100
Hexane	C6H14	0.3800	0.3800
Heptane	C7H16	0.0000	0.0000
Nitrogen	N2	1.3500	1.3500
Carbon Dioxide	CO2	1.1100	1.1100
Hydrogen Sulfide	H2S	0.0000	0.0000
Carbon Monoxide	CO	0.0000	0.0000
Hydrogen	H2	0.0000	0.0000
Oxygen	O2	0.0000	0.0000
Helium	HE	0.0000	0.0000
Neopentane	neo-C5H12	0.0000	0.0000
Octane	C8H18	0.0000	0.0000
Nonane	C9H20	0.0000	0.0000
Ethylene	C2H4	0.0000	0.0000
Propylene	C3H6	0.0000	0.0000
TOTAL (Volume %)		100.0000	100.0000

Fuel Makeup: New Avalon Hwy 285
Unit of Measure: English

Calculated Fuel Properties

Caterpillar Methane Number: 56.7

Lower Heating Value (Btu/scf): 1106
Higher Heating Value (Btu/scf): 1220
WOBBE Index (Btu/scf): 1303

THC: Free Inert Ratio: 39.54
Total % Inerts (% N2, CO2, He): 2.46%
RPC (%) (To 905 Btu/scf Fuel): 100%

Compressibility Factor: 0.997
Stoich A/F Ratio (Vol/Vol): 11.47
Stoich A/F Ratio (Mass/Mass): 15.94
Specific Gravity (Relative to Air): 0.720
Fuel Specific Heat Ratio (K): 1.286

CONDITIONS AND DEFINITIONS

Caterpillar Methane Number represents the knock resistance of a gaseous fuel. It should be used with the Caterpillar Fuel Usage Guide for the engine and rating to determine the rating for the fuel specified. A Fuel Usage Guide for each rating is included on page 2 of its standard technical data sheet.

RPC always applies to naturally aspirated (NA) engines, and turbocharged (TA or LE) engines only when they are derated for altitude and ambient site conditions.

Project specific technical data sheets generated by the Caterpillar Gas Engine Rating Pro program take the Caterpillar Methane Number and RPC into account when generating a site rating.

Fuel properties for Btu/scf calculations are at 60F and 14.696 psia.

Caterpillar shall have no liability in law or equity, for damages, consequently or otherwise, arising from use of program and related material or any part thereof.

FUEL LIQUIDS

Field gases, well head gases, and associated gases typically contain liquid water and heavy hydrocarbons entrained in the gas. To prevent detonation and severe damage to the engine, hydrocarbon liquids must not be allowed to enter the engine fuel system. To remove liquids, a liquid separator and coalescing filter are recommended, with an automatic drain and collection tank to prevent contamination of the ground in accordance with local codes and standards.

To avoid water condensation in the engine or fuel lines, limit the relative humidity of water in the fuel to 80% at the minimum fuel operating temperature.

ENGINE SPEED (rpm): 1000
 COMPRESSION RATIO: 9:1
 AFTERCOOLER TYPE: SCAC
 AFTERCOOLER WATER INLET (°F): 130
 JACKET WATER OUTLET (°F): 190
 ASPIRATION: TA
 COOLING SYSTEM: JW, OC+AC
 CONTROL SYSTEM: CIS/ADEM3
 EXHAUST MANIFOLD: DRY
 COMBUSTION: Low Emission
 NOx EMISSION LEVEL (g/bhp-hr NOx): 0.5

RATING STRATEGY: STANDARD
 FUEL SYSTEM: GAV
 WITH AIR FUEL RATIO CONTROL
SITE CONDITIONS:
 FUEL: Jal Fuel
 FUEL PRESSURE RANGE(psig): 42.8-47.0
 FUEL METHANE NUMBER: 82.5
 FUEL LHV (Btu/scf): 936
 ALTITUDE(ft): 3200
 MAXIMUM INLET AIR TEMPERATURE(°F): 110
 STANDARD RATED POWER: 3550 bhp@1000rpm

RATING	NOTES	LOAD	MAXIMUM RATING	SITE RATING AT MAXIMUM INLET AIR TEMPERATURE			
			100%	100%	75%	57%	
ENGINE POWER (WITHOUT FAN)	(1)	bhp	3550	3137	2353	1775	
INLET AIR TEMPERATURE		°F	88	110	110	110	

ENGINE DATA							
FUEL CONSUMPTION (LHV)	(2)	Btu/bhp-hr	6791	6926	7292	7684	
FUEL CONSUMPTION (HHV)	(2)	Btu/bhp-hr	7527	7677	8082	8516	
AIR FLOW (@inlet air temp, 14.7 psia) (WET)	(3)(4)	ft ³ /min	9554	8858	6781	5213	
AIR FLOW (WET)	(3)(4)	lb/hr	41491	37001	28326	21777	
FUEL FLOW (60°F, 14.7 psia)		scfm	429	387	305	243	
INLET MANIFOLD PRESSURE	(5)	in Hg(abs)	73.4	65.8	50.8	39.1	
EXHAUST TEMPERATURE - ENGINE OUTLET	(6)	°F	838	856	893	925	
EXHAUST GAS FLOW (@engine outlet temp, 14.5 psia) (WET)	(7)(4)	ft ³ /min	24059	21754	17151	13522	
EXHAUST GAS MASS FLOW (WET)	(7)(4)	lb/hr	42658	38053	29157	22438	

EMISSIONS DATA - ENGINE OUT							
NOx (as NO ₂)	(8)(9)	g/bhp-hr	0.50	0.50	0.50	0.50	
CO	(8)(9)	g/bhp-hr	2.75	2.74	2.74	2.75	
THC (mol. wt. of 15.84)	(8)(9)	g/bhp-hr	6.45	6.52	6.67	6.82	
NMHC (mol. wt. of 15.84)	(8)(9)	g/bhp-hr	0.97	0.98	1.00	1.02	
NMNEHC (VOCs) (mol. wt. of 15.84)	(8)(9)(10)	g/bhp-hr	0.64	0.65	0.67	0.68	
HCHO (Formaldehyde)	(8)(9)	g/bhp-hr	0.26	0.27	0.29	0.31	
CO ₂	(8)(9)	g/bhp-hr	441	449	472	499	
EXHAUST OXYGEN	(8)(11)	% DRY	12.8	12.5	11.7	11.0	

HEAT REJECTION							
HEAT REJ. TO JACKET WATER (JW)	(12)	Btu/min	36519	34748	32164	29648	
HEAT REJ. TO ATMOSPHERE	(12)	Btu/min	14063	13855	13307	12502	
HEAT REJ. TO LUBE OIL (OC)	(12)	Btu/min	18081	17982	17723	17049	
HEAT REJ. TO AFTERCOOLER (AC)	(12)(13)	Btu/min	40529	40529	14117	3172	

COOLING SYSTEM SIZING CRITERIA			
TOTAL JACKET WATER CIRCUIT (JW)	(13)	Btu/min	44188
TOTAL AFTERCOOLER CIRCUIT (OC+AC)	(13)(14)	Btu/min	70679
A cooling system safety factor of 10% has been added to the cooling system sizing criteria.			

CONDITIONS AND DEFINITIONS

Engine rating obtained and presented in accordance with ISO 3046/1, adjusted for fuel, site altitude and site inlet air temperature. 100% rating at maximum inlet air temperature is the maximum engine capability for the specified fuel at site altitude and maximum site inlet air temperature. Max. rating is the maximum capability for the specified fuel at site altitude and reduced inlet air temperature. Lowest load point is the lowest continuous duty operating load allowed. No overload permitted at rating shown.

For notes information consult page three.

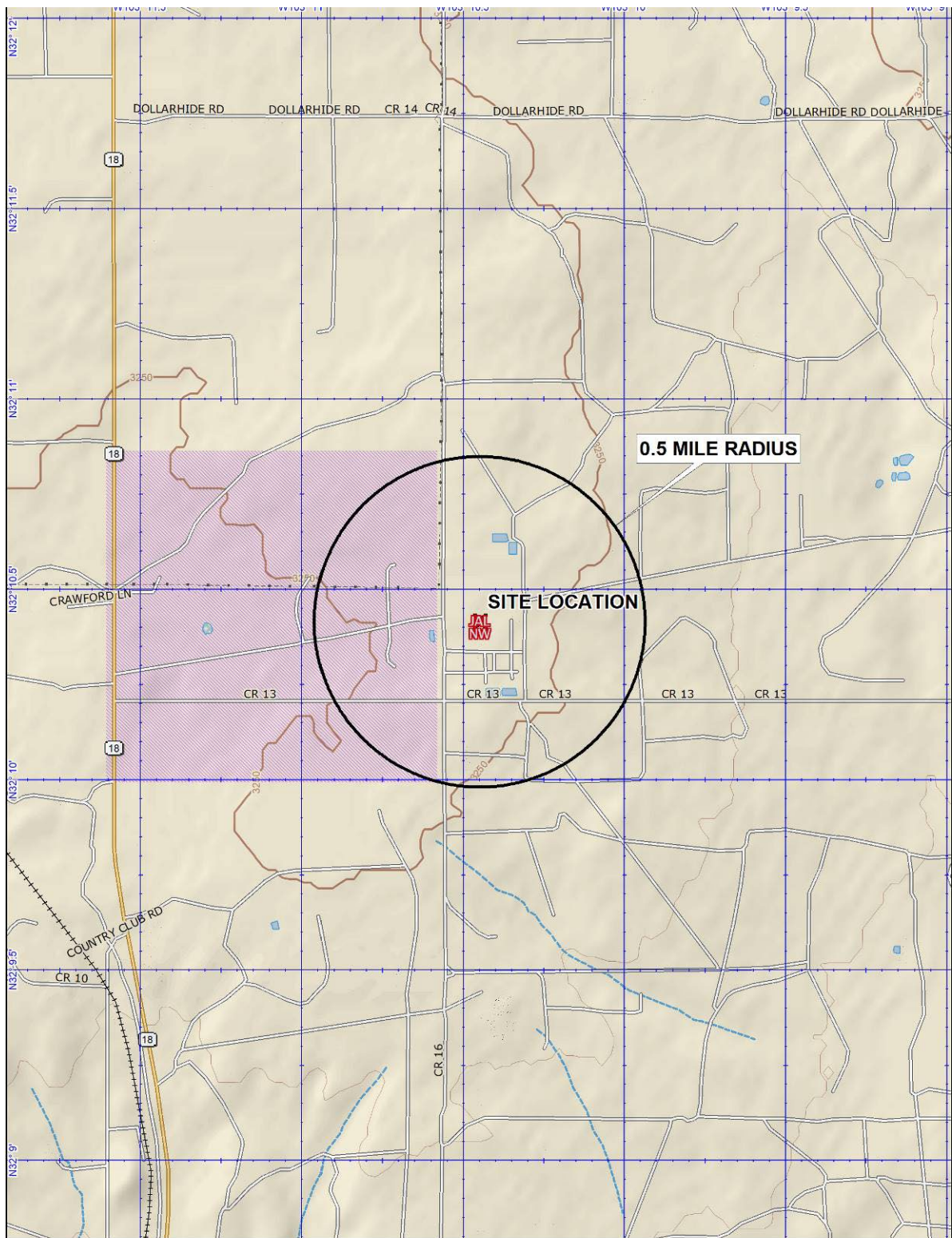
Section 8

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 Facility Map is provided below.



Data use subject to license.

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FIGURE TITLE

AREA MAP

DOCUMENT TITLE

NSR PERMIT APPLICATION

CLIENT

ET GATHERING & PROCESSING LLC

LOCATION

JAL#3 GAS PLANT

LEA COUNTY, NEW MEXICO

DATE 10/25/2024

SCALE AS SHOWN

DESIGNED BY

APPROVED BY

DRAWN BY

FIGURE NUMBER

SECTION 8

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.
-

9589 0710 5270 0468 4276 20

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OFFICIAL USE

Landowner letter

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To *Jol Public Library Trust*
Street and Apt. No., or PO Box No.
PO Box 178
City, State, ZIP+4®
Jol, NM 88252

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Postmark
Here

Postmark
Here

9589 0710 5270 0468 4275 90

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

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

OFFICIAL USE

Landowner letter

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To *City of Jol*
Street and Apt. No., or PO Box No.
710 W. Wyoming Ave., 40 Drawer 340
City, State, ZIP+4®
Jol, NM 88252

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Postmark
Here

9589 0710 5270 0468 4275 76

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

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OFFICIAL USE

Landowner letter

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To *Leg Partners*
Street and Apt. No., or PO Box No.
5700 W. Plaza Parkway, Suite 225
City, State, ZIP+4®
Plano, TX 75093

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Postmark
Here

9589 0710 5270 0468 4276 37

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

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OFFICIAL USE

Landowner letter

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To *Keith Mauer, Lea County Clerk*
Street and Apt. No., or PO Box No.
100 N. Main Ave., Suite 1C
City, State, ZIP+4®
Lovington, NM 88260

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Postmark
Here

9589 0710 5270 0468 4276 13

U.S. Postal Service™
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 Domestic Mail Only

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

Land owner letter

OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To <i>EL PASO NATURAL GAS CO.</i>	
Street and Apt. No., or PO Box No. <i>PO BOX 4372</i>	
City, State, ZIP+4® <i>Houston, TX 77210</i>	

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0468 4276 06

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

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

Landowner letter

OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To <i>New Mexico State Land Office</i>	
Street and Apt. No., or PO Box No. <i>310 Old Santa Fe Trail</i>	
City, State, ZIP+4® <i>Santa Fe, NM 87501</i>	

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0468 4275 83

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

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

Land owner letter

OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To <i>Southwestern Public Service Co</i>	
Street and Apt. No., or PO Box No. <i>6086 W. 48th Street Ave.</i>	
City, State, ZIP+4® <i>Amorillo, TX 79109</i>	

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

General Posting of Notices – Certification

I, Tanner Foster, the undersigned, certify that on **9/30/2024**, posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the **City of Jal** of **Lea** County, State of New Mexico on the following dates:

1. ET Gathering & Processing LLC
Jal #3 Facility Entrance
9/30/2024
2. Woolworth Community Library
100 E. Utah
Jal, NM 88252
9/30/2024
3. Jal City Hall
309 S. Main Street
Jal, NM 88252
9/30/2024
4. US Post Office
111 South Fourth Street
Jal, NM 88252
9/30/2024

Signed this on the 24th day of October, 2024,

Tanner Foster

Signature

10/24/2024

Date

Tanner Foster

Printed Name

Associate Engineer – Environmental – Energy Transfer

Title



Lea County Parcel Report

Area of Interest (AOI) Information

Area : 2,662.38 acres

Oct 1 2024 14:12:27 Central Daylight Time

Parcels

#	Owner #	Calculated Acres	Township	Range	Section
1	90132	2.57	24	37	33
2	90142	3.04	24	37	32
3	90406	4.99	24	37	32
4	90132	6.73	24	37	33
5	51755	40.16	25	37	4
6	51888	40.18	25	37	4
7	90406	70.57	24	37	33
8	51887	161.07	24	37	29
9	51755	240.00	24	37	33
10	51755	249.45	25	37	5
11	51886	280.84	24	37	28
12	51887	316.81	24	37	28
13	51882	319.72	24	37	33
14	51883	320.01	25	37	4
15		606.58	24	37	N/A

#	Parcel Code	Year Built	Number of Stories	SQFT Basement	SQFT 1st Floor
1	4000901320005		N/A	N/A	N/A
2	4000901420002		N/A	N/A	N/A
3	4000904060005		N/A	N/A	N/A
4	4000901320005		N/A	N/A	N/A
5	4000517550002		N/A	N/A	N/A
6	4000518880025		N/A	N/A	N/A
7	4000904060017		N/A	N/A	N/A
8	4000518870002		N/A	N/A	N/A
9	4000517550001		N/A	N/A	N/A
10	4000517550003		N/A	N/A	N/A
11	4000518860001		N/A	N/A	N/A
12	4000518870001		N/A	N/A	N/A
13	4000518830009		N/A	N/A	N/A
14	4000518830014		N/A	N/A	N/A
15	N/A		N/A	N/A	N/A

#	SQFT 2nd Floor	Date Modified	Total SQFT	Inspection Year	Subdivision Name
1	N/A			N/A	N/A
2	N/A			N/A	N/A
3	N/A			N/A	N/A
4	N/A			N/A	N/A
5	N/A			N/A	N/A
6	N/A			N/A	N/A
7	N/A			N/A	N/A
8	N/A			N/A	N/A
9	N/A			N/A	N/A
10	N/A			N/A	N/A
11	N/A			N/A	N/A
12	N/A			N/A	N/A
13	N/A			N/A	N/A
14	N/A			N/A	N/A
15	N/A			N/A	N/A

#	Unit	Block	Lot/Tract	Description	NEQ
1	N/A	N/A	N/A	9.40 AC LOC W2W2	N/A
2	N/A	N/A	N/A	3.00 AC LOC NE4	Y
3	N/A	N/A	N/A	10.05 AC LOC WITHIN SE4NW4, SW4NE4,	N/A
4	N/A	N/A	N/A	9.40 AC LOC W2W2	N/A
5	N/A	N/A	N/A	40.21 AC BEING LOT 4	N/A
6	N/A	N/A	N/A	120.24 AC BEING LOT 3, SW4NW4,	N/A
7	N/A	N/A	N/A	70.59 AC LOC W2W2	N/A
8	N/A	N/A	N/A	320.00 AC BEING E2	N/A
9	N/A	N/A	N/A	240.00 AC BEING E2NW4, NW4NW4,	N/A
10	N/A	N/A	N/A	280.20 AC BEING LOTS 1-2-3-4,	N/A
11	N/A	N/A	N/A	280.00 AC BEING SE4, S2NE4, NW4NE4	Y
12	N/A	N/A	N/A	317.00 AC BEING W2 *LESS 3 AC TO	N/A
13	N/A	N/A	N/A	320.00 AC BEING E2	N/A
14	N/A	N/A	N/A	320.26 AC BEING LOT 2, SW4NE4,	Y
15	N/A	N/A	N/A	N/A	N/A

#	NWQ	SWQ	SEQ	Name	In Care of Name
1	Y	N/A	N/A	EL PASO NATURAL GAS CO	PROPERTY TAX %
2	N/A	N/A	N/A	SOUTHWESTERN PUBLIC SERVICE CO	N/A
3	N/A	N/A	N/A	LEA PARTNERS	PROPERTY TAX PARTNERS %
4	Y	N/A	N/A	EL PASO NATURAL GAS CO	PROPERTY TAX %
5	N/A	N/A	N/A	JAL PUBLIC LIBRARY TRUST	N/A
6	Y	N/A	N/A	JAL PUBLIC LIBRARY TRUST	N/A
7	N/A	N/A	N/A	LEA PARTNERS	PROPERTY TAX PARTNERS %
8	N/A	N/A	N/A	JAL PUBLIC LIBRARY TRUST	N/A
9	Y	N/A	N/A	JAL PUBLIC LIBRARY TRUST	N/A
10	Y	N/A	N/A	JAL PUBLIC LIBRARY TRUST	N/A
11	N/A	N/A	N/A	JAL PUBLIC LIBRARY TRUST	N/A
12	N/A	N/A	N/A	JAL PUBLIC LIBRARY TRUST	N/A
13	N/A	N/A	N/A	JAL PUBLIC LIBRARY FUND	N/A
14	N/A	N/A	N/A	JAL PUBLIC LIBRARY FUND	N/A
15	N/A	N/A	N/A	N/A	N/A

#	Mailing Address 1	Mailing Address 2	Mailing City	Mailing State	Country Name
1	PO BOX 4372	N/A	HOUSTON	TX	N/A
2	6086 W 48TH AVE	N/A	AMARILLO	TX	N/A
3	5700 W PLANO PKWY STE 2250	N/A	PLANO	TX	N/A
4	PO BOX 4372	N/A	HOUSTON	TX	N/A
5	N/A	BOX 178	JAL	NM	N/A
6	N/A	BOX 178	JAL	NM	N/A
7	5700 W PLANO PKWY STE 2250	N/A	PLANO	TX	N/A
8	N/A	BOX 178	JAL	NM	N/A
9	N/A	BOX 178	JAL	NM	N/A
10	N/A	BOX 178	JAL	NM	N/A
11	N/A	BOX 178	JAL	NM	N/A
12	N/A	BOX 178	JAL	NM	N/A
13	N/A	BOX 178	JAL	NM	N/A
14	N/A	BOX 178	JAL	NM	N/A
15	N/A	N/A	N/A	N/A	N/A

#	Mailing Zipcode	Mailing Zipcode Extension	District	Type	Year
1	77210	4372	190	M	2024
2	79109	N/A	190	M	2024
3	75093	2445	190	M	2024
4	77210	4372	190	M	2024
5	88252	N/A	190	M	2024
6	88252	N/A	190	M	2024
7	75093	2445	190	M	2024
8	88252	N/A	190	M	2024
9	88252	N/A	190	M	2024
10	88252	N/A	190	M	2024
11	88252	N/A	190	M	2024
12	88252	N/A	190	M	2024
13	88252	N/A	190	M	2024
14	88252	N/A	190	M	2024
15	N/A	N/A	N/A	N/A	

#	Reception Number	Recording Type	Book	Page	Recorded Date
1	0	N/A	N/A	0	
2	0	N/A	N/A	0	
3	59601	N/A	460	708	03/08/1990
4	0	N/A	N/A	0	
5	0	N/A	N/A	0	
6	0	N/A	N/A	0	
7	29721	N/A	486	853	10/22/1992
8	0	N/A	N/A	0	
9	0	N/A	N/A	0	
10	0	N/A	N/A	0	
11	0	N/A	N/A	0	
12	0	N/A	N/A	0	
13	0	N/A	N/A	0	
14	0	N/A	N/A	0	
15		N/A	N/A	N/A	

#	Property Street Name	Property Street Number	Property Half Number	Property Street Direction	Total Value
1	N/A	N/A	N/A	N/A	0
2	N/A	N/A	N/A	N/A	0
3	N/A	N/A	N/A	N/A	0
4	N/A	N/A	N/A	N/A	0
5	N/A	N/A	N/A	N/A	0
6	N/A	N/A	N/A	N/A	0
7	N/A	N/A	N/A	N/A	0
8	N/A	N/A	N/A	N/A	0
9	N/A	N/A	N/A	N/A	0
10	N/A	N/A	N/A	N/A	0
11	N/A	N/A	N/A	N/A	0
12	N/A	N/A	N/A	N/A	0
13	N/A	N/A	N/A	N/A	0
14	N/A	N/A	N/A	N/A	0
15	N/A	N/A	N/A	N/A	0

#	Total Land Value	Land Value	Improved Value	Cent Value	Pers Value
1	0	0	0	14012283	0
2	0	0	0	127065168	0
3	0	0	0	174147483	0
4	0	0	0	14012283	0
5	0	1854	0	0	0
6	0	23694	0	0	0
7	0	0	0	174147483	0
8	0	2007	141	0	0
9	0	1854	0	0	0
10	0	1854	0	0	0
11	0	1812	69	0	0
12	0	2007	141	0	0
13	0	30591	0	0	0
14	0	4959	0	0	0
15	0	0	0	0	0

#	MFG H Value	Livestock Value	Full Value	Taxable Value	Exempt Value
1	0	0	14012283	4670761	0
2	0	0	127065168	42355056	0
3	0	0	174147483	58049161	0
4	0	0	14012283	4670761	0
5	0	0	1854	618	618
6	0	0	23694	7898	7898
7	0	0	174147483	58049161	0
8	0	0	2148	716	716
9	0	0	1854	618	618
10	0	0	1854	618	618
11	0	0	1881	627	627
12	0	0	2148	716	716
13	0	0	30591	10197	0
14	0	0	4959	1653	0
15	0	0	0	0	0

#	Net Value	Recording Year	Most Current Tax	Value	Code
1	4670761	N/A	\$103,107.00	0	N/A
2	42355056	N/A	\$934,987.00	0	N/A
3	58049161	N/A	\$1,281,435.00	0	N/A
4	4670761	N/A	\$103,107.00	0	N/A
5	0	N/A	\$0.00	0	N/A
6	0	N/A	\$0.00	0	N/A
7	58049161	N/A	\$1,281,435.00	0	N/A
8	0	N/A	\$0.00	0	N/A
9	0	N/A	\$0.00	618	OTN
10	0	N/A	\$0.00	0	N/A
11	0	N/A	\$0.00	627	OTN
12	0	N/A	\$0.00	716	OTN
13	10197	N/A	\$225.00	0	N/A
14	1653	N/A	\$36.00	0	N/A
15	0	N/A	\$	0	N/A

#	ID	Category	Quantity	Location	Square Footage	Acres	Area(acres)
1	N/A	N/A	N/A	N/A	112,090.92	0.00	2.57
2	N/A	N/A	N/A	N/A	132,466.20	0.00	3.04
3	N/A	N/A	N/A	N/A	217,378.75	0.00	4.99
4	N/A	N/A	N/A	N/A	293,172.80	0.00	6.73
5	N/A	N/A	N/A	N/A	1,749,251.47	0.00	40.15
6	N/A	N/A	N/A	N/A	1,750,340.54	75.00	40.18
7	N/A	N/A	N/A	N/A	3,073,929.28	0.00	70.56
8	N/A	N/A	N/A	N/A	7,016,325.19	6.00	161.06
9	N	Other Exemptions	N/A	N/A	10,454,143.80	0.00	239.97
10	N/A	N/A	N/A	N/A	10,865,965.07	0.00	249.38
11	N	Other Exemptions	N/A	N/A	12,233,438.21	5.00	280.81
12	N	Other Exemptions	N/A	N/A	13,800,403.05	6.00	316.78
13	N/A	N/A	N/A	N/A	13,926,826.13	9,711.00	319.68
14	N/A	N/A	N/A	N/A	13,939,755.53	1,573.00	319.98
15	N/A	N/A	N/A	N/A	26,422,328.02	N/A	606.51

Lea County, New Mexico Portico Disclaimer:

Information deemed reliable but not guaranteed. Copyright 2023.

MAP TO BE USED FOR TAX PURPOSES ONLY. NOT TO BE USED FOR CONVEYANCE.

Square Foot and Year Built listed only to be used for comparative purposes, NOT to be used for commerce.



October 1, 2024

El Paso Natural Gas Co.
PO Box 4372
Houston, Texas 77210

CERTIFIED MAIL 9589 0710 5270 0468 4276 13

To Whom It May Concern,

ET Gathering & Processing LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The expected date of application submittal to the Air Quality Bureau is October 16, 2024.

The exact location for the proposed facility known as the Jal No. 3 Gas Plant, is at latitude 32 deg, 10 min, 25 sec and longitude -103 deg, 10 min, 27 sec. The approximate location of this facility is 4 miles north-northeast of Jal in Lea County.

The proposed modification consists of reallocation of gas flaring emissions and removal of units. The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	1.6 pph	6.7 tpy
PM 10	1.6 pph	6.7 tpy
PM 2.5	1.6 pph	6.7 tpy
Sulfur Dioxide (SO ₂)	5163.7 pph	49.7 tpy
Nitrogen Oxides (NO _x)	438.3 pph	118.7 tpy
Carbon Monoxide (CO)	847.1 pph	88.2 tpy
Volatile Organic Compounds (VOC)	1506.1 pph	148.3 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	2.6 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	209,721 tpy

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/or operator of the Facility is: ET Gathering & Processing LLC, 1706 South Midkiff Road, Midland, TX 79701

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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

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 505-629-3395.

Sincerely,

A handwritten signature in dark ink, appearing to read "James VanAssche", is positioned above the typed name.

Mr. James VanAssche
Senior Environmental Specialist

Notice of Non-Discrimination

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



October 1, 2024

Jal Public Library Trust
Jal Public Library Fund
PO Box 178
Jal, New Mexico 88252

CERTIFIED MAIL 9589 0710 5270 0468 4276 20

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PM 10	1.6 pph	6.7 tpy
PM 2.5	1.6 pph	6.7 tpy
Sulfur Dioxide (SO ₂)	5163.7 pph	49.7 tpy
Nitrogen Oxides (NO _x)	438.3 pph	118.7 tpy
Carbon Monoxide (CO)	847.1 pph	88.2 tpy
Volatile Organic Compounds (VOC)	1506.1 pph	148.3 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	2.6 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	209,721 tpy

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/or operator of the Facility is: ET Gathering & Processing LLC, 1706 South Midkiff Road, Midland, TX 79701

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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

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 505-629-3395.

Sincerely,



Mr. James VanAssche
Senior Environmental Specialist

Notice of Non-Discrimination

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



October 1, 2024

Lea Partners
5700 W Plano Parkway, Suite 225
Plano, Texas 75093

CERTIFIED MAIL 9589 0710 5270 0468 4275 76

To Whom It May Concern,

ET Gathering & Processing LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The expected date of application submittal to the Air Quality Bureau is October 16, 2024.

The exact location for the proposed facility known as the Jal No. 3 Gas Plant, is at latitude 32 deg, 10 min, 25 sec and longitude -103 deg, 10 min, 27 sec. The approximate location of this facility is 4 miles north-northeast of Jal in Lea County.

The proposed modification consists of reallocation of gas flaring emissions and removal of units. The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	1.6 pph	6.7 tpy
PM 10	1.6 pph	6.7 tpy
PM 2.5	1.6 pph	6.7 tpy
Sulfur Dioxide (SO ₂)	5163.7 pph	49.7 tpy
Nitrogen Oxides (NO _x)	438.3 pph	118.7 tpy
Carbon Monoxide (CO)	847.1 pph	88.2 tpy
Volatile Organic Compounds (VOC)	1506.1 pph	148.3 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	2.6 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	209,721 tpy

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/or operator of the Facility is: ET Gathering & Processing LLC, 1706 South Midkiff Road, Midland, TX 79701

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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

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

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Sincerely,

A handwritten signature in cursive script, appearing to read "James VanAssche".

Mr. James VanAssche
Senior Environmental Specialist

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October 1, 2024

Southwestern Public Service Co.
6086 W 48th Avenue
Amarillo, Texas 79109

CERTIFIED MAIL 9589 0710 5270 0468 4275 83

To Whom It May Concern,

ET Gathering & Processing LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The expected date of application submittal to the Air Quality Bureau is October 16, 2024.

The exact location for the proposed facility known as the Jal No. 3 Gas Plant, is at latitude 32 deg, 10 min, 25 sec and longitude -103 deg, 10 min, 27 sec. The approximate location of this facility is 4 miles north-northeast of Jal in Lea County.

The proposed modification consists of reallocation of gas flaring emissions and removal of units. The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
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Total sum of all Hazardous Air Pollutants (HAPs)	2.6 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	209,721 tpy

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/or operator of the Facility is: ET Gathering & Processing LLC, 1706 South Midkiff Road, Midland, TX 79701

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review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

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Sincerely,

A handwritten signature in cursive script, appearing to read "James VanAssche".

Mr. James VanAssche
Senior Environmental Specialist

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October 1, 2024

New Mexico State Land Office
Oil, Gas, and Minerals Division
Allison Marks, Director
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

CERTIFIED MAIL 9589 0710 5270 0468 4276 06

Dear Ms. Marks,

ET Gathering & Processing LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The expected date of application submittal to the Air Quality Bureau is October 16, 2024.

The exact location for the proposed facility known as the Jal No. 3 Gas Plant, is at latitude 32 deg, 10 min, 25 sec and longitude -103 deg, 10 min, 27 sec. The approximate location of this facility is 4 miles north-northeast of Jal in Lea County.

The proposed modification consists of reallocation of gas flaring emissions and removal of units. The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	1.6 pph	6.7 tpy
PM 10	1.6 pph	6.7 tpy
PM 2.5	1.6 pph	6.7 tpy
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Total sum of all Hazardous Air Pollutants (HAPs)	2.6 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	209,721 tpy

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/or operator of the Facility is: ET Gathering & Processing LLC, 1706 South Midkiff Road, Midland, TX 79701


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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

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

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Sincerely,



Mr. James VanAssche
Senior Environmental Specialist

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October 1, 2024

City of Jal
710 W. Wyoming
PO Drawer 340
Jal, NM 88252

CERTIFIED MAIL 9589 0710 5270 0468 4275 90

To Whom It May Concern,

ET Gathering & Processing LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The expected date of application submittal to the Air Quality Bureau is October 16, 2024.

The exact location for the proposed facility known as the Jal No. 3 Gas Plant, is at latitude 32 deg, 10 min, 25 sec and longitude -103 deg, 10 min, 27 sec. The approximate location of this facility is 4 miles north-northeast of Jal in Lea County.

The proposed modification consists of reallocation of gas flaring emissions and removal of units. The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	1.6 pph	6.7 tpy
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PM 2.5	1.6 pph	6.7 tpy
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Total sum of all Hazardous Air Pollutants (HAPs)	2.6 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	209,721 tpy

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

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Sincerely,

A handwritten signature in cursive script, appearing to read "James VanAssche".

Mr. James VanAssche
Senior Environmental Specialist

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October 1, 2024

Lea County New Mexico
Keith Manes, Lea County Clerk
100 N. Main Avenue, Suite 1C
Lovington, NM 88260

CERTIFIED MAIL 9589 0710 5270 0468 4276 37

Dear Mr. Manes,

ET Gathering & Processing LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The expected date of application submittal to the Air Quality Bureau is October 16, 2024.

The exact location for the proposed facility known as the Jal No. 3 Gas Plant, is at latitude 32 deg, 10 min, 25 sec and longitude -103 deg, 10 min, 27 sec. The approximate location of this facility is 4 miles north-northeast of Jal in Lea County.

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Total sum of all Hazardous Air Pollutants (HAPs)	2.6 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	209,721 tpy

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/or operator of the Facility is: ET Gathering & Processing LLC, 1706 South Midkiff Road, Midland, TX 79701

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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a

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

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Sincerely,



Mr. James VanAssche
Senior Environmental Specialist

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PUBLIC SERVICE ANNOUNCEMENT

ET Gathering & Processing LLC announces its application to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The proposed modification consists of reallocation of gas flaring emissions and removal of units. The expected date of application submittal to the Air Quality Bureau is October 16, 2024. This notice is a requirement according to New Mexico air quality regulations.

The exact location for the facility, known as the Jal No. 3 Gas Plant, is at latitude 32 deg, 10 min, 25 sec North and longitude 103 deg, 10 min, 27 sec West. The approximate location of this facility is roughly 4 miles North-Northeast of Jal, NM, in Lea County.

The site is a natural gas treating plant.

The owner and/or operator of the Facility is:

ET Gathering & Processing LLC,
1706 South Midkiff Road,
Midland, TX 79701

Notices were posted at the Jal No. 3 gas plant site and the following three locations:

Woolworth Community Library
100 E. Utah
Jal, NM 88252

Jal City Hall
309 S. Main Street
Jal, NM 88252

US Post Office
111 South Fourth Street
Jal, NM 88252

The address for submitting comments to the NMED is as follows:

New Mexico Environment Department
Air Quality Bureau – Permits Section
525 Camino de los Marquez, Suite 1
Santa Fe, New Mexico 87505

Submittal of Public Service Announcement – Certification

I, James VanAssche, the undersigned, certify that on October 1, 2024, submitted a public service announcement to **KZOR 94.1 FM** that serves the City\Town\Village of **Jal and surrounding areas**, Lea County, New Mexico, in which the source is or is proposed to be located and that KZOR 94.1 FM **RESPONDED THAT IT WOULD AIR THE ANNOUNCEMENT.**

Signed this 1st day of October, 2024.



Signature

10/1/2024

Date

James VanAssche

Printed Name

Senior Environmental Specialist – Energy Transfer

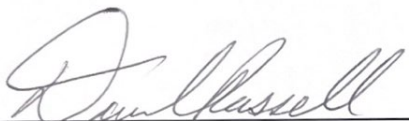
Title

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

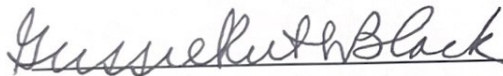
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
October 01, 2024
and ending with the issue dated
October 01, 2024.



Publisher

Sworn and subscribed to before me this
1st day of October 2024.



Business Manager

My commission expires

January 29, 2027

(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE
October 1, 2024

NOTICE OF AIR QUALITY PERMIT APPLICATION

ET Gathering & Processing LLC announces its application to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The expected date of application submittal to the Air Quality Bureau is October 16, 2024.

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Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)		
PM ₁₀	1.6 pph	6.7 tpy
PM _{2.5}	1.6 pph	6.7 tpy
Sulfur Dioxide (SO ₂)	1.6 pph	49.7 tpy
Nitrogen Oxides (NO _x)	5163.7 pph	118.7 tpy
Carbon Monoxide (CO)	438.3 pph	88.2 tpy
Volatile Organic Compounds (VOC)	847.1 pph	148.3 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	1506.1 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	2.6 pph	209,721 tpy
	n/a	

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/or operator of the Facility is: ET Gathering & Processing LLC, 1706 South Midkiff Road, Midland, TX 79701

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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, and links to the regulations can be found at the Air Quality Bureau's website: www.env.nm.gov/air-quality/permitting-section-home-page/. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC.

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 505-629-3395.

Notice of Non-Discrimination

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

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00294595

JAMES VANASSCHE
ENERGY TRANSFER
8111 WESTCHESTER DR., STE. 600
DALLAS, TX 75225

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
October 01, 2024
and ending with the issue dated
October 01, 2024.

Publisher

Sworn and subscribed to before me this
1st day of October 2024.

Gussie Ruth Black
Business Manager

My commission expires
January 29, 2027

January 29, 2027
(Seal) STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

ET Gathering & Processing LLC announces its application to the New Mexico Environment Department for an air quality permit for the modification of its gas treating facility. The expected date of application submittal to the Air Quality Bureau is October 16, 2024.

The exact location for the proposed facility known as the Jal No. 3 Gas Plant, is at latitude 32 deg, 10 min, 25 sec and longitude -103 deg, 10 min, 27 sec. The approximate location of this facility is 4 miles north-northeast of Jal in Lea County.

The proposed modification consists of reallocation of gas flaring emissions and removal of units.

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

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	1.6 pph	6.7 tpy
PM ₁₀	1.6 pph	6.7 tpy
PM _{2.5}	1.6 pph	6.7 tpy
Sulfur Dioxide (SO ₂)	5163.7 pph	49.7 tpy
Nitrogen Oxides (NO _x)	438.3 pph	118.7 tpy
Carbon Monoxide (CO)	847.1 pph	88.2 tpy
Volatile Organic Compounds (VOC)	1506.1 pph	148.3 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	2.6 pph	11.4 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	209,721 tpy

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/or operator of the Facility is: ET Gathering & Processing LLC, 1706 South Midkiff Road, Midland, TX 79701

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. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

224-7009.

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.

links to the regulations can

General information about air quality and the permitting process, and links to the regulations can be found at the Air Quality Bureau's website: www.env.nm.gov/air-quality/permitting-section-home-page/. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC.

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Lea County Assessor Parcel Map



Section 10

Written Description of the Routine Operations of the Facility

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

The facility is a natural gas gathering and boosting station with amine treating, dehydration and an acid gas injection well. Sour field gas is treated in an amine sweetening unit to remove acid gas.

Acid gas removed from the natural gas stream by the sweetening unit is injected in a Class II underground injection disposal well by a set of electric acid gas injection (AGI) compressor units. Vapors from the flash tank are routed back to inlet. During periods of AGI compressor downtime, acid gasses will be directed to the acid gas flare.

The treated gas is compressed to pipeline delivery pressure by two compressor units. After compression, the treated gas will flow to the glycol dehydration unit. Vapors from the glycol dehydrator still vent will be sent to a flare and vapors from the flash tank will be routed to the site's fuel system.

Liquids from the inlet slug catcher are sent to the condensate stabilizer system that is powered by an HMO heater. Stabilized condensate is stored in pressurized tanks prior to off-site transport via pressurized trucks. Separated slop water from the slug catcher, facility scrubbers and liquid knockouts is sent to a gunbarrel tank that skims oil from the slop water and directs both products for storage to two atmospheric storage vessels. Skimmed oil and produced water are shipped off site via truck.

Section 11

Source Determination

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

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

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

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

Jal #3 Gas Plant

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.

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/>

To save paper and to standardize the application format, delete this sentence, and begin your submittal for this attachment on this page.

Example of a Table for State Regulations:

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Facility	If subject, this would normally apply to the entire facility. 20.2.3 NMAC is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentration of, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. Title V applications, see exemption at 20.2.3.9 NMAC The TSP NM ambient air quality standard was repealed by the EIB effective November 30, 2018.
20.2.7 NMAC	Excess Emissions	Yes	Facility	If subject, this would normally apply to the entire facility. If your entire facility or individual pieces of equipment are subject to emissions limits in a permit or numerical emissions standards in a federal or state regulation, this applies. This would not apply to Notices of Intent since these are not permits.
20.2.23 NMAC	Fugitive Dust Control	No	Facility	The facility is not located in Doña Ana or Luna Counties, and is therefore not subject to 40 CFR §51.930 or 20.2.23 NMAC.
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	This facility does not have existing gas burning equipment having a heat input of greater than 1,000,000 million British Thermal Unit per year per unit. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.33.108 NMAC.
20.2.34 NMAC	Oil Burning Equipment: NO ₂	No	N/A	This facility does not have existing oil burning equipment having a heat input of greater than 1,000,000 million British Thermal Unit per year per unit. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.34.108 NMAC.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	Yes	Facility	This regulation establishes sulfur emission standards for natural gas processing plants. The facility meets the definition of a new natural gas processing plant (the incinerator was added to the facility in 1976) under this regulation and is subject to the requirements of this regulation [20.2.35.7 (B) NMAC]. The facility meets the requirements under 20.2.35.110(B).
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	Not applicable as facility does not have petroleum storage tanks with a capacity > 20,000 gallons. In addition, this plant does not contain a “tank battery” or a “hydrocarbon storage facility” as these terms are understood.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	The facility will not operate a sulfur recovery plant.
20.2.50 NMAC	Oil and Gas Sector – Ozone Precursor Pollutants	Yes	C1 – C6 and associated compressors, 9F, FUG-1, FUG-2, DR2, 12H, LOAD, LOADOUT	Check the box for the subparts that are applicable: <input checked="" type="checkbox"/> 113 – Engines and Turbines Existing: C1-C6 <input checked="" type="checkbox"/> 114 – Compressor Seals Existing: C1-C6 compressors <input checked="" type="checkbox"/> 115 – Control Devices and Closed Vent Systems Existing: 9F <input checked="" type="checkbox"/> 116 – Equipment Leaks and Fugitive Emissions Existing: FUG-1 and FUG-2

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
				<input type="checkbox"/> 117 – Natural Gas Well Liquid Unloading <input checked="" type="checkbox"/> 118 – Glycol Dehydrators Existing: DR2 <input checked="" type="checkbox"/> 119 – Heaters Existing: 12H <input checked="" type="checkbox"/> 120 – Hydrocarbon Liquid Transfers Existing: LOAD, LOADOUT <input type="checkbox"/> 121 – Pig Launching and Receiving <input type="checkbox"/> 122 – Pneumatic Controllers and Pumps <input type="checkbox"/> 123 – Storage Vessels <input type="checkbox"/> 124 – Well Workovers <input type="checkbox"/> 125 – Small Business Facilities <input type="checkbox"/> 126 – Produced Water Management Unit <input type="checkbox"/> 127 – Flowback Vessels and Preproduction Operations
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	C1 - C6, 12H, 13H, 14H, 8F, 9F, 10F	This regulation that limits opacity to 20% applies to Stationary Combustion Equipment, such as engines, boilers, heaters, and flares. The combustion equipment at the facility is subject to this regulation.
20.2.70 NMAC	Operating Permits	Yes	Facility	Jal 3 has been issued operating permit P-090-R3.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	The facility is subject to 20.2.70 NMAC and is therefore subject to requirements of this regulation.
20.2.72 NMAC	Construction Permits	Yes	Facility	The facility is subject as emissions are greater than 10 lb/hr and 25 tpy of regulated air contaminants for which there are National or New Mexico Ambient Air Quality Standards.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	The facility meets the applicability requirements of 20.2.73.300.A.1 NMAC.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	No	Facility	Jal 3 is not classified as a PSD source.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	The facility is subject to 20.2.72 NMAC and is therefore subject to requirements of this regulation.
20.2.77 NMAC	New Source Performance	Yes	C1 - C6, FUG1, FUG2	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	This facility is not subject to the requirements of 40 CFR Part 61.

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	This regulation does not apply because the facility is not located in a nonattainment area.
20.2.80 NMAC	Stack Heights	No	N/A	This regulation established requirements for the evaluation of stack heights and other dispersion techniques. The stacks at the facility will follow good engineering practices. This regulation does not apply as all stacks at the facility will follow good engineering practice.
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	DR2, C1 – C6	The Facility is an Area source of HAP emissions. The glycol dehydrator is subject to 40 CFR 63 Subpart HH and the engines are subject to 40 CFR 63 Subpart ZZZZ.

Example of a Table for Applicable Federal Regulations (Note: This is not an exhaustive list):

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 50	NAAQS	Yes	Facility	The facility meets all applicable national ambient air quality standards for NOx, CO, SO2, H2S, PM10, and PM2.5 under this regulation.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	C1 - C6, FUG1, FUG2	NSPS JJJJ, OOOO and OOOOa apply.
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for Electric Utility Steam Generating Units	No	N/A	This regulation does not apply because the facility does not operate any electric utility steam generating units.
NSPS 40 CFR60.40b Subpart Db	Electric Utility Steam Generating Units	No	N/A	The regulation does not apply because the facility does not operate any industrial-commercial-institutional steam generating units with heat inputs greater than 100 MMBtu/hr.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	No	N/A	The regulation does not apply because the facility does not operate any steam generating units.
NSPS 40 CFR 60, Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	No	N/A	Not applicable as there are no petroleum liquid storage vessels that commenced construction, reconstruction, or modification after May 18, 1978 and prior to July 23, 1984 and/or have capacities greater than 40,000 gallons.
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	No	N/A	Not applicable as there are no volatile organic liquid storage vessels which commenced construction, reconstruction, or modification after July 23, 1984 and/or which have capacities greater than 75 cubic meters (m ³).
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	No	N/A	The facility does not operate stationary gas turbines and is therefore not subject to this regulation.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	No	N/A	NSPS KKK applies to equipment leaks of VOC from natural gas processing plants constructed, reconstructed or modified after January 20, 1984 and on or before August 23, 2011. This subpart does not apply as the Facility no longer fits the NSPS KKK definition of a "Natural gas processing plant" as it does not extract natural gas liquids from field gas.
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO₂ Emissions	No	N/A	This subpart does not apply as the acid gas produced at the facility is completely reinjected into oil-or-gas bearing geologic strata or otherwise not released to the atmosphere.
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction,	Yes	C1 – C4 compressors	NSPS OOOO is applicable to the compressor of engine Units C1-C4 since construction commenced after August 23, 2011 (40 CFR 60.5365(e)). In addition, component changes associated with Units C1-C4 are considered a modification under NSPS OOOO.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
	modification or reconstruction commenced after August 23, 2011 and before September 18, 2015			
NSPS 40 CFR Part 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Yes	C5, C6, FUG1	NSPS OOOOa is applicable to the compressors of engine Units C5 and C6 as construction commenced after September 18, 2015 (40 CFR 60.5365(e)). NSPS OOOOa applies to these specific fugitive components (portion of FUG1).
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	N/A	This facility does not operate compression ignition internal combustion engines.
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	Yes	C1 - C6	<p>The engines are subject to NSPS JJJJ per 60.4230(a)(4)(i) and the standards in 60.4233(e) and Table 1.</p> <p>C1-C4</p> <ul style="list-style-type: none"> 3550 hp Mfr dates: 8/7/2018, 1/2/2008, 1/2/2008, and 1/2/2008 <p>C5 and C6</p> <ul style="list-style-type: none"> 1875 hp Mfr dates: 5/28/2019 and 5/1/2019
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	There will be no electric generating units at the site.
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	There will be no electric generating units at the site.
NSPS 40 CFR 60, Subparts WWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	The Facility is not a municipal solid waste landfill.
NESHAP	General Provisions	No	N/A	No Subpart standards apply under this Part.

<u>Federal Regulation Citation</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 61 Subpart A				
NESHAP 40 CFR 61 Subpart E	National Emission Standards for Mercury	No	N/A	This facility does not process mercury therefore this regulation does not apply.
NESHAP 40 CFR 61 Subpart V	National Emission Standards for Equipment Leaks (Fugitive Emission Sources)	No	N/A	The regulated activities subject to this regulation do not take place at this facility. The facility is not subject to this regulation.
MACT 40 CFR 63, Subpart A	General Provisions	Yes	C1 – C6, DR2	40 CFR 63 Subpart HH and ZZZZ apply.
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	Yes	DR2	This facility is Subject to the requirements of 40 CFR 63 Subpart HH. Facility is a minor source for HAPs (including formaldehyde and total HAPs), as indicated by this application and will comply with the minor source requirements of Subpart HH.
MACT 40 CFR 63 Subpart HHH		No	N/A	This subpart applies to owners and operators of natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user (if there is no local distribution company), and that are major sources of hazardous air pollutants (HAP) emissions as defined in §63.1271. The facility is not a natural gas transmission or storage facility.
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	No	N/A	This subpart established national emission limitation and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP. This facility is not a major source of HAP. This regulation does not apply.
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from coal- and oil-fired electric utility steam generating units (EGUs) as defined in §63.10042 of this subpart. This facility does not contain the affected source. This regulation does not apply.
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)	Yes	C1 – C6	The engines are subject to MACT ZZZZ and meet the requirements by complying with NSPS JJJJ per 63.6590(c)(1).

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 64	Compliance Assurance Monitoring	Yes	AGI, 8F, 9F	CAM applies to the acid gas re-injection well and flares 8F and 9F. A plan has been submitted to the state. The IC engines at the facility are equipped with catalysts are not in themselves major sources.
40 CFR 68	Chemical Accident Prevention	Yes	Facility	Jal 3 is subject to the rule.
Title IV – Acid Rain 40 CFR 72	Acid Rain	No	N/A	Jal 3 is not an Acid Rain source.
Title IV – Acid Rain 40 CFR 73	Sulfur Dioxide Allowance Emissions	No	N/A	Jal 3 is not an Acid Rain source.
Title IV-Acid Rain 40 CFR 75	Continuous Emissions Monitoring	No	N/A	Jal 3 is not an Acid Rain source.
Title IV – Acid Rain 40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	No	N/A	Jal 3 is not an Acid Rain source.
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	Yes	N/A	(82.150) if you service, maintain, or repair appliances, dispose of appliances, refrigerant reclaimers, if you are an owner or operator of an appliance, if you are a manufacturer of appliances or of recycling and recovery equipment, if you are an approved recycling and recovery equipment testing organization, and/or if you sell or offer for sell or purchase class I or class I refrigerants. ETGP owns appliances containing CFCs and is therefore technically subject to this requirement. ETGP uses only certified technicians for the maintenance, service, repair, and disposal of appliances and maintains the appropriate records for this requirement.

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

Startup and shutdown procedures are based on manufacturer's recommendations or ETGP's experience with specific equipment. The procedures are designed to proactively address the potential for malfunction to the greatest extent possible. These procedures dictate a sequence of operations that are designed to minimize emissions from the facility during events that result in shutdown and subsequent startup. Equipment located at the facility is equipped with various safety devices and features that aid in the prevention of excess emissions in the event of an operational emergency. If an operational emergency does occur and excess emissions occur, ETGP will submit the required Excess Emissions Report per 20.2.7 NMAC. Corrective action to eliminate the excess emissions and prevent recurrence in the future will be undertaken as quickly as safety allows. ETGP has developed an Operational Plan to Mitigate Emissions During Startups, Shutdowns, and Malfunctions as required by 20.2.70.300.D.5 NMAC. This plan is kept on site and will be made available to the Department upon request.

Section 15

Alternative Operating Scenarios

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

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

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

This application does not include alternative operating scenarios.

Section 16

Air Dispersion Modeling

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

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

Check each box that applies:

- ☐ See attached, approved modeling **waiver for all** pollutants from the facility.
- ☐ See attached, approved modeling **waiver for some** pollutants from the facility.
- ☒ 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.

Universal Application 4

Air Dispersion Modeling Report

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

16-A: Identification

1	Name of facility:	Jal #3 Gas Plant
2	Name of company:	ET Gathering & Processing LLC
3	Current Permit number:	1092M10R3
4	Name of applicant's modeler:	James VanAssche
5	Phone number of modeler:	214-840-5217
6	E-mail of modeler:	james.vanassche@energytransfer.com

16-B: Brief

1	Was a modeling protocol submitted and approved?	Yes☒	No☐
2	Why is the modeling being done?	Other (describe below)	
3	Describe the permit changes relevant to the modeling.		
	Updates to hourly emissions rates of SSM flaring from flares 9F and 10F.		
4	What geodetic datum was used in the modeling?	NAD83	
5	How long will the facility be at this location?	Permanent	
6	Is the facility a major source with respect to Prevention of Significant Deterioration (PSD)?	Yes☐	No☒

7	Identify the Air Quality Control Region (AQCR) in which the facility is located	155
8	List the PSD baseline dates for this region (minor or major, as appropriate).	
	NO2	3/16/1988
	SO2	7/28/1978
	PM10	2/20/1979
	PM2.5	11/13/2013
9	Provide the name and distance to Class I areas within 50 km of the facility (300 km for PSD permits).	
	No Class I Areas within 50 km of the facility.	
10	Is the facility located in a non-attainment area? If so describe below	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
11	Describe any special modeling requirements, such as streamline permit requirements.	
	N/A	

16-C: Modeling History of Facility

1	Describe the modeling history of the facility, including the air permit numbers, the pollutants modeled, the National Ambient Air Quality Standards (NAAQS), New Mexico AAQS (NMAAQs), and PSD increments modeled. (Do not include modeling waivers).			
	Pollutant	Latest permit and modification number that modeled the pollutant facility-wide.	Date of Permit	Comments
	CO	1092M10R3	10/26/2023	
	NO ₂	1092M10R3	10/26/2023	
	SO ₂	1092M10R3	10/26/2023	
	H ₂ S	1092M10R3	10/26/2023	
	PM2.5	1092M10R3	10/26/2023	
	PM10	1092M10R3	10/26/2023	
	Lead	N/A		
	Ozone (PSD only)	N/A		
	NM Toxic Air Pollutants (20.2.72.402 NMAC)	N/A		

16-D: Modeling performed for this application

1	For each pollutant, indicate the modeling performed and submitted with this application. Choose the most complicated modeling applicable for that pollutant, i.e., culpability analysis assumes ROI and cumulative analysis were also performed.					
	Pollutant	ROI	Cumulative analysis	Culpability analysis	Waiver approved	Pollutant not emitted or not changed.
	CO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	NO ₂	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SO ₂	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	H ₂ S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PM _{2.5}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PM ₁₀	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Lead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Ozone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	State air toxic(s) (20.2.72.402 NMAC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

16-E: New Mexico toxic air pollutants modeling

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

16-F: Modeling options

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

16-G: Surrounding source modeling

1	Date of surrounding source retrieval	9/26/2024
2	If the surrounding source inventory provided by the Air Quality Bureau was believed to be inaccurate, describe how the sources modeled differ from the inventory provided. If changes to the surrounding source inventory were made, use the table below to describe them. Add rows as needed.	
	AQB Source ID	Description of Corrections

16-H: Building and structure downwash

1	How many buildings are present at the facility?	29
2	How many above ground storage tanks are present at the facility?	6

3	Was building downwash modeled for all buildings and tanks? If not explain why below.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
4	Building comments		

16-I: Receptors and modeled property boundary

1	<p>“Restricted Area” is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with a steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area. A Restricted Area is required in order to exclude receptors from the facility property. If the facility does not have a Restricted Area, then receptors shall be placed within the property boundaries of the facility.</p> <p>Describe the fence or other physical barrier at the facility that defines the restricted area.</p>					
	The facility is fenced.					
2	Receptors must be placed along publicly accessible roads in the restricted area. Are there public roads passing through the restricted area?				Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3	Are restricted area boundary coordinates included in the modeling files?				Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
4	Describe the receptor grids and their spacing. The table below may be used, adding rows as needed.					
	Grid Type	Shape	Spacing	Start distance from restricted area or center of facility	End distance from restricted area or center of facility	Comments
	Fine	Rectangular	100 m	Fenceline	1000 m	
	Medium	Rectangular	250 m	1000 m	2500 m	
	Coarse	Rectangular	500 m	2500 m	5000 m	
	Coarse	Rectangular	1000 m	5000 m	20,000 m	
5	Describe receptor spacing along the fence line.					
	50 m spacing around the fence line.					
6	Describe the PSD Class I area receptors.					
	N/A					

16-J: Modeling Scenarios

1	Identify, define, and describe all modeling scenarios. Examples of modeling scenarios include using different production rates, times of day, times of year, simultaneous or alternate operation of old and new equipment during transition periods, etc. Alternative operating scenarios should correspond to all parts of the Universal Application and should be fully described in Section 15 of the Universal Application (UA3).
	No alternate scenarios were used.

2	Which scenario produces the highest concentrations? Why?											
	N/A											
3	Were emission factor sets used to limit emission rates or hours of operation? (This question pertains to the "SEASON", "MONTH", "HROFDY" and related factor sets, not to the factors used for calculating the maximum emission rate.)									Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
4	If so, describe factors for each group of sources. List the sources in each group before the factor table for that group. (Modify or duplicate table as necessary. It's ok to put the table below section 16-K if it makes formatting easier.) Sources:											
5	Hour of Day	Factor	Hour of Day	Factor								
	1		13									
	2		14									
	3		15									
	4		16									
	5		17									
	6		18									
	7		19									
	8		20									
	9		21									
	10		22									
	11		23									
	12		24									
	If hourly, variable emission rates were used that were not described above, describe them below.											
6	Were different emission rates used for short-term and annual modeling? If so describe below.									Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

16-K: NO₂ Modeling

1	Which types of NO ₂ modeling were used? Check all that apply.	
	<input checked="" type="checkbox"/>	ARM2
	<input type="checkbox"/>	100% NO _x to NO ₂ conversion
	<input type="checkbox"/>	PVMRM
	<input type="checkbox"/>	OLM
	<input type="checkbox"/>	Other:
2	Describe the NO ₂ modeling.	

3	Were default NO ₂ /NO _x ratios (0.5 minimum, 0.9 maximum or equilibrium) used? If not describe and justify the ratios used below.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
4	Describe the design value used for each averaging period modeled. 1-hour: High eighth high Annual Highest Annual Average of Three Years:		

16-L: Ozone Analysis

1	<p>NMED has performed a generic analysis that demonstrates sources that are minor with respect to PSD do not cause or contribute to any violations of ozone NAAQS. The analysis follows.</p> <p>The basis of the ozone SIL is documented in Guidance on Significant Impact Levels for Ozone and Fine Particles in the Prevention of Significant Deterioration Permitting Program, EPA, April 17, 2018 and associated documents. NMED accepts this SIL basis and incorporates it into this permit record by reference. Complete documentation of the ozone concentration analysis using MERPS is included in the New Mexico Air Quality Bureau Air Dispersion Modeling Guidelines.</p>			
2	<p>The MERP values presented in Table 10 and Table 11 of the NM AQB Modeling Guidelines that produce the highest concentrations indicate that facilities emitting no more than 250 tons/year of NO_x and no more than 250 tons/year of VOCs will cause less formation of O₃ than the O₃ significance level.</p> $[O_3]_{8-hour} = \left(\frac{250 \frac{ton}{yr}}{340_{MERP_{NOX}}} + \frac{250 \frac{ton}{yr}}{4679_{MERP_{VOC}}} \right) \times 1.96 \mu g/m^3$ <p>=1.546 μg/m³, which is below the significance level of 1.96 μg/m³.</p> <p>Sources that produce ozone concentrations below the ozone SIL do not cause or contribute to air contaminant levels exceeding the ozone NAAQS.</p>			
3	Does the facility emit at least 250 tons per year of NO _x or at least 250 tons per year of VOCs? Sources that emit at least 250 tons per year of NO _x or at least 250 tons per year of VOCs are covered by the analysis above and require an individual analysis.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5	For new PSD Major Sources or PSD major modifications, if MERPs were used to account for ozone fill out the information below. If another method was used describe below.			
	NO _x (ton/yr)	MERP _{NOX}	VOCs (ton/yr)	MERP _{VOC}
	N/A	N/A	N/A	N/A

16-M: Particulate Matter Modeling

1	Select the pollutants for which plume depletion modeling was used.		
	<input type="checkbox"/>	PM2.5	
	<input type="checkbox"/>	PM10	
	<input checked="" type="checkbox"/>	None	
2	Describe the particle size distributions used. Include the source of information.		
3	Does the facility emit at least 40 tons per year of NO _x or at least 40 tons per year of SO ₂ ? Sources that emit at least 40 tons per year of		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

	NO _x or at least 40 tons per year of SO ₂ are considered to emit significant amounts of precursors and must account for secondary formation of PM _{2.5} .				
4	Was secondary PM modeled for PM _{2.5} ?			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5	If MERPs were used to account for secondary PM _{2.5} fill out the information below. If another method was used describe below.				
	Pollutant	NO _x	SO ₂		[PM _{2.5}] _{24-hour}
	MERP _{annual}	26780	14978		0.07156
	MERP _{24-hour}	7331	1981		[PM _{2.5}] _{annual}
	Emission rate (ton/yr)	126.48	83.96		0.002065

16-N: Setback Distances

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

16-O: PSD Increment and Source IDs

1	The unit numbers in the Tables 2-A, 2-B, 2-C, 2-E, 2-F, and 2-I should match the ones in the modeling files. Do these match? If not, provide a cross-reference table between unit numbers if they do not match below.				Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Unit Number in UA-2		Unit Number in Modeling Files			
2	The emission rates in the Tables 2-E and 2-F should match the ones in the modeling files. Do these match? If not, explain why below.				Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
3	Have the minor NSR exempt sources or Title V Insignificant Activities" (Table 2-B) sources been modeled?				Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4	Which units consume increment for which pollutants?					
	Unit ID	NO ₂	SO ₂	PM ₁₀	PM _{2.5}	
	C1	X	X	X	X	
	C2	X	X	X	X	
	C3	X	X	X	X	
	C4	X	X	X	X	

	C5	X	X	X	X
	C6	X	X	X	X
	12H	X	X	X	X
	13H	X	X	X	X
	14H	X	X	X	X
	10F	X	X	X	X
	9F	X	X	X	X
5	PSD increment description for sources. (for unusual cases, i.e., baseline unit expanded emissions after baseline date).			9F, 10F emissions changes after baseline	
6	Are all the actual installation dates included in Table 2A of the application form, as required? This is necessary to verify the accuracy of PSD increment modeling. If not please explain how increment consumption status is determined for the missing installation dates below.			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

16-P: Flare Modeling

1	For each flare or flaring scenario, complete the following			
	Flare ID (and scenario)	Average Molecular Weight	Gross Heat Release (cal/s)	Effective Flare Diameter (m)
	10F	52	209526145.7	38.40
	9F	52	1929453.8	3.80

16-Q: Volume and Related Sources

1	Were the dimensions of volume sources different from standard dimensions in the Air Quality Bureau (AQB) Modeling Guidelines?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If not please explain how increment consumption status is determined for the missing installation dates below.		
2	Describe the determination of sigma-Y and sigma-Z for fugitive sources.		
3	Describe how the volume sources are related to unit numbers. Or say they are the same.		
4	Describe any open pits.		
	Describe emission units included in each open pit.		

5	

16-R: Background Concentrations

1	Were NMED provided background concentrations used? Identify the background station used below. If non-NMED provided background concentrations were used describe the data that was used.		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	CO: Del Norte High School (350010023)			
	NO ₂ : Hobbs-Jefferson (350250008)			
	PM2.5: Hobbs-Jefferson (350450019)			
	PM10: Hobbs-Jefferson (350250008)			
	SO ₂ : N/A			
	Other:			
	Comments:			
2	Were background concentrations refined to monthly or hourly values? If so describe below.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

16-S: Meteorological Data

1	Was NMED provided meteorological data used? If so select the station used.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Hobbs		
2	If NMED provided meteorological data was not used describe the data set(s) used below. Discuss how missing data were handled, how stability class was determined, and how the data were processed.		

16-T: Terrain

1	Was complex terrain used in the modeling? If not, describe why below.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2	What was the source of the terrain data?		
	USGS National Map		

16-U: Modeling Files

1	Describe the modeling files: Lakes AERMOD View 12.0.0		
	File name (or folder and file name)	Pollutant(s)	Purpose (ROI/SIA, cumulative, culpability analysis, other)
	H2S	H2S	ROI/SIA
	1-Hr SO ₂ , 3-Hr SO ₂	SO ₂	ROI/SIA
	NO _x , NO _x _24	NO _x	ROI/SIA

	PM2.5	PM2.5	ROI/SIA
	PM10	PM10	ROI/SIA
	CO	CO	ROI/SIA
	1-Hr SO ₂ , 3-Hr SO ₂	SO ₂	NAAQS/PSD
	NO _x	NO _x	NAAQS/PSD
	NO _x	NO _x	NAAQS/PSD
	PM2.5	PM2.5	NAAQS/PSD
	PM10	PM10	NAAQS/PSD

16-V: PSD New or Major Modification Applications

1	A new PSD major source or a major modification to an existing PSD major source requires additional analysis. Was preconstruction monitoring done (see 20.2.74.306 NMAC and PSD Preapplication Guidance on the AQB website)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2	If not, did AQB approve an exemption from preconstruction monitoring?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
3	Describe how preconstruction monitoring has been addressed or attach the approved preconstruction monitoring or monitoring exemption.		
4	Describe the additional impacts analysis required at 20.2.74.304 NMAC.		
5	If required, have ozone and secondary PM _{2.5} ambient impacts analyses been completed? If so describe below.	Yes <input type="checkbox"/>	No <input type="checkbox"/>

16-W: Modeling Results

1	If ambient standards are exceeded because of surrounding sources, a culpability analysis is required for the source to show that the contribution from this source is less than the significance levels for the specific pollutant. Was culpability analysis performed? If so describe below.							Yes <input type="checkbox"/>		No <input checked="" type="checkbox"/>	
2	Identify the maximum concentrations from the modeling analysis. Rows may be modified, added and removed from the table below as necessary.										
Pollutant, Time Period and Standard	Modeled Facility Concentration (µg/m3)	Modeled Concentration with Surrounding Sources (µg/m3)	Secondary PM (µg/m3)	Background Concentration (µg/m3)	Cumulative Concentration (µg/m3)	Value of Standard (µg/m3)	Percent of Standard	Location			
								UTM E (m)	UTM N (m)	Elevation (ft)	
NOx 1-hr	83.89331	N/A	N/A	65.8	149.69331	188.03	79.6%	671934.96	3561522.48	3263	
NOx 24-hr	22.35862	N/A	N/A	N/A	22.35862	188.03	11.9%	671934.22	3561567.65	3263	
NOx Annual	3.15667	N/A	N/A	9.3	12.45667	99.66	12.5%	671938.68	3561296.62	3261	
CO 1-hr	174.50725	N/A	N/A	N/A	174.50725	500	34.9%	672145.70	3560884.33	3260	
CO 8-hr	80.59715	N/A	N/A	N/A	80.59715	2000	4%	672113.31	3560846.25	3261	
PM2.5 24-hr	1.14083	N/A	0.07156	16.5	17.71239	35	50.6%	671935.71	3561477.31	3262	
PM2.5 Annual	0.26574	N/A	0.002065	7.1	7.367805	9	81.8%	671939.42	3561251.45	3262	
PM10 24-hr	1.97446	N/A	N/A	N/A	1.97446	5	26.2%	672145.70	3560884.33	3260	
PM10 Annual	0.26618	N/A	N/A	N/A	0.26618	1	26.6%	671939.42	3561251.45	3262	
H2S – 30 min	2.58671	N/A	N/A	N/A	2.58671	5	51.7%	673113.31	3560846.25	3215	
SO2 1-hr	149.99738	N/A	N/A	3.5	153.49738	196.4	78.2%	672313.31	3561746.25	3262	
SO2 3-hr	120.53451	N/A	N/A	N/A	120.53451	1309.3	9.2%	672413.31	3561746.25	3260	

Pollutant, Time Period and Standard	Modeled Facility Concentration (µg/m3)	Modeled Concentration with Surrounding Sources (µg/m3)	Secondary PM (µg/m3)	Background Concentration (µg/m3)	Cumulative Concentration (µg/m3)	Value of Standard (µg/m3)	Percent of Standard	Location		
								UTM E (m)	UTM N (m)	Elevation (ft)
SO2 24-hr	40.39932	N/A	N/A	N/A	40.39932	261.9	15.4%	672213.31	3561746.25	3262
SO2 Annual	9.61351	N/A	N/A	0.04	9.65351	52.4	18.4%	672213.31	3561746.25	3262

16-X: Summary/conclusions

1

A statement that modeling requirements have been satisfied and that the permit can be issued.

The facility modeling has demonstrated compliance with all applicable air quality standards. Modeling requirements have been satisfied and the permit can be issued.

Section 17

Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

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
C1	NSPS JJJJ, MACT ZZZZ	7/16/2019, 1/7/2020, 7/28/2020, 1/4/2022, 2/3/2023
C2	NSPS JJJJ, MACT ZZZZ	2/9/2019, 8/23/2016, 1/5/2017, 7/10/2017, 10/2/2017, 1/8/2018, 1/7/2019, 7/9/2019, 1/7/2020, 7/28/2020, 1/5/2022, 1/10/2023
C3	NSPS JJJJ, MACT ZZZZ	2/9/2016, 8/23/2016, 1/6/2017, 7/10/2017, 1/8/2018, 1/7/2019, 7/9/2019, 9/15/2021, 1/4/2022, 4/20/2023
C4	NSPS JJJJ, MACT ZZZZ	2/9/2019, 8/24/2016, 1/26/2017, 7/10/2017, 10/2/2017, 1/8/2018, 9/6/2018, 1/7/2019, 9/5/2019, 1/22/2020, 7/28/2020, 1/5/2022, 1/10/2023
C5	NSPS JJJJ, MACT ZZZZ	TBD
C6	NSPS JJJJ, MACT ZZZZ	TBD
8F	Compliance with visible emissions per NSR 1092/TV-P090	02/12
9F	Compliance with visible emissions per NSR 1092/TV-P090	08/05
10F	Compliance with visible emissions per NSR 1092/TV-P090	02/12

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.

No other relevant information is being submitted with this application.

Section 22: Certification

Company Name: ET Gathering & Processing LLC

I, Jesus Martinez, 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 18 day of November, 2024, upon my oath or affirmation, before a notary of the State of

Texas

Jesus Martinez
*Signature

11/18/24
Date

Jesus Martinez
Printed Name

Director Operations
Title

Scribed and sworn before me on this 18th day of November, 2024

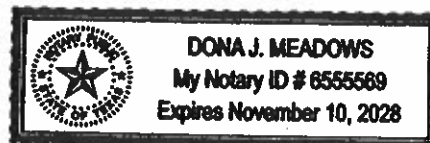
My authorization as a notary of the State of Texas expires on the

10th day of November, 2028

Dona J. Meadows
Notary's Signature

11-18-2024
Date

Dona J. Meadows
Notary's Printed Name



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

ET GATHERING & PROCESSING LLC
8111 Westchester Dr., Ste 600
Dallas, TX 75225

Page: 1 of 1

Payment Date: 11/07/2024

Vendor: NEW MEXICO ENVIRONMENT DEPT
Vendor ID: 1000002788

Check No.: 213027526
Check Date: 11/07/2024

Invoice Number	Invoice Date	Document Number	Reference	Gross Amount	Discount	Net Amount
ST_71293	10/25/2024	5800707958	JAL 3	500.00	0.00	500.00
Check Total.....						\$ 500.00

PLEASE DETACH BEFORE DEPOSITING CHECK. For inquiries call:214-840-5422 or email accountspayable@energytransfer.com

THIS CHECK IS VOID WITHOUT A BLUE & GREEN BACKGROUND - THIS IS WATERMARKED PAPER - HOLD TO LIGHT TO VERIFY WATERMARK

ET GATHERING & PROCESSING LLC
8020 Park Lane, Suite 200
Dallas, TX 75231
Vendor ID: 1000002788

Payable Through
WELLS FARGO BANK, N.A.

66-156
531

Check No.:
213027526

Check Date:
11/07/2024

VOID AFTER 90 DAYS

PAY:
FIVE HUNDRED **

\$500.00

To The
Order of:

NEW MEXICO ENVIRONMENT DEPT
525 CAMINO DE LOS MARQUEZ STE 1
SANTA FE, NM 87505 1816

Thomas E. Long

Authorized Signature

SIGNATURE HAS A COLORED BACKGROUND - BORDER CONTAINS MICROPRINTING

⑈ 213027526 ⑈ ⑆053101561⑆ 2079900565328⑈