EcoLogic Environmental Consultants, LLC
864 Windsor Court
Santa Barbara, CA 93111
805-964-7597

April 14, 2023

Elizabeth Bisbey-Kuehn
New Mexico Environment Department
Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, New Mexico 87505-1816

Subject: **Application to Modify Permit Number 1033-M6**
Harvest Four Corners, LLC – 32-8#2 Central Delivery Point

Dear Ms. Bisbey-Kuehn:

On behalf of Harvest Four Corners, LLC (H4C), EcoLogic Environmental Consultants, LLC is submitting an application for significant permit revision to modify the 32-8#2 Central Delivery Point construction permit. The purpose of this application is to add two triethylene glycol dehydrators (Units 20 and 21), add two 400 barrel produced water storage tanks (T40 and T41) and re-permit the existing five Waukesha 7044GSI natural gas-fired compressor engines (Units 3-6 and 9) and existing two Waukesha 7042GL natural gas-fired compressor engines (Units 1 and 2) to meet the requirements of 20.2.50 NMAC, *Oil and Gas Sector – Ozone Precursor Pollutants* Rule.

Enclosed are two copies of the permit application and a check for $500 to cover the permit filing fee.

If you have any questions, or require additional information, please contact Oakley Hayes of H4C at (505) 632-4421.

Sincerely,

EcoLogic Environmental Consultants, LLC

Walter H. Konkel III
Principal

Enclosures
Check for Filing Fee and 32-8#2 CDP Significant Revision Application

cc: Oakley Hayes, H4C

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NEW MEXICO 20.2.72 NMAC APPLICATION TO MODIFY PERMIT NUMBER 1033-M6

32-8#2 CENTRAL DELIVERY POINT

Submitted By:

HARVEST FOUR CORNERS, LLC
1755 Arroyo Drive
Bloomfield, New Mexico 87413

Prepared By:

EcoLogic Environmental Consultants, LLC
864 Windsor Court
Santa Barbara, CA 93111-1037

April 2023

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Introduction and Compliance History

The 32-8#2 Central Delivery Point (CDP) currently operates under a construction permit issued by the NMAQB, 1033-M6, dated September 22, 2022. The permit approves operation of the following emission sources: seven Waukesha 7042GL natural gas-fired compressor engines (Units 1-2, 7-8 and 17-19), five Waukesha 7044GSI natural gas-fired compressor engines (Units 3-6 and 9) and seven triethylene glycol dehydrators (Units 10-16).

This application is submitted as a significant revision to accomplish the following changes at the site:

- Add two triethylene glycol dehydrators (Units 20 and 21)
- Add two 400 barrel produced water storage tanks (T40 and T41)
- Re-permit the existing five Waukesha 7044GSI natural gas-fired compressor engines (Units 3-6 and 9) and existing two Waukesha 7042GL natural gas-fired compressor engines (Units 1 and 2) to meet the requirements of 20.2.50 NMAC, *Oil and Gas Sector – Ozone Precursor Pollutants* Rule.

The mandatory *Compliance History Disclosure Form* is provided on the following page.

Air Permit Application
Compliance History Disclosure Form

Pursuant to Subsection 74-2-7(S) of the New Mexico Air Quality Control Act ("AQCA"), NMSA §§ 74-2-1 to -17, the New Mexico Environment Department ("Department") may deny any permit application or revoke any permit issued pursuant to the AQCA if, within ten years immediately preceding the date of submission of the permit application, the applicant met any one of the criteria outlined below. In order for the Department to deem an air permit application administratively complete, or issue an air permit for those permits without an administrative completeness determination process, the applicant must complete this Compliance History Disclosure Form as specified in Subsection 74-2-7(P). An existing permit holder (permit issued prior to June 18, 2021) shall provide this Compliance History Disclosure Form to the Department upon request.

Permittee/Applicant Company Name		**Expected Application Submittal Date**
Harvest Four Corners, LLC		Week of April 10, 2023
Permittee/Company Contact	**Phone**	**Email**
Oakley Hayes	505-632-4421	Oakley.Hayes@harvestmidstream.com

Within the 10 years preceding the expected date of submittal of the application, has the permittee or applicant:		
1	Knowingly misrepresented a material fact in an application for a permit?	☐ Yes ☒ No
2	Refused to disclose information required by the provisions of the New Mexico Air Quality Control Act?	☐ Yes ☒ No
3	Been convicted of a felony related to environmental crime in any court of any state or the United States?	☐ Yes ☒ No
4	Been convicted of a crime defined by state or federal statute as involving or being in restraint of trade, price fixing, bribery, or fraud in any court of any state or the United States?	☐ Yes ☒ No
5a	Constructed or operated any facility for which a permit was sought, including the current facility, without the required air quality permit(s) under 20.2.70 NMAC, 20.2.72 NMAC, 20.2.74 NMAC, 20.2.79 NMAC, or 20.2.84 NMAC?	☐ Yes ☒ No
5b	If "No" to question 5a, go to question 6. If "Yes" to question 5a, state whether each facility that was constructed or operated without the required air quality permit met at least one of the following exceptions: a. The unpermitted facility was discovered after acquisition during a timely environmental audit that was authorized by the Department; or b. The operator of the facility estimated that the facility's emissions would not require an air permit, **and** the operator applied for an air permit within 30 calendar days of discovering that an air permit was required for the facility.	☐ Yes ☐ No
6	Had any permit revoked or permanently suspended for cause under the environmental laws of any state or the United States?	☐ Yes ☒ No
7	For each "yes" answer, please provide an explanation and documentation.	

Mail Application To:		**For Department use only:**
New Mexico Environment Department Air Quality Bureau Permits Section 525 Camino de los Marquez, Suite 1 Santa Fe, New Mexico, 87505 Phone: (505) 476-4300 Fax: (505) 476-4375 www.env.nm.gov/aqb		AIRS No.:

Universal Air Quality Permit Application

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

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

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

Acknowledgements:

☑ I acknowledge that a pre-application meeting is available to me upon request. ☐ Title V Operating, Title IV Acid Rain, and NPR applications have no fees.

☑ $500 NSR application Filing Fee enclosed OR ☐ The full permit fee associated with 10 fee points (required w/ streamline applications).

☑ Check No.: **245** 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) NMAC**
(e.g. application for a new minor source would be 20.2.72.200.A NMAC, one example for a Technical Permit Revision is 20.2.72.219.B.1.b NMAC, a Title V acid rain application would be: 20.2.70.200.C NMAC)

Section 1 – Facility Information

Section 1-A: Company Information

		AI # if known (see 1st 3 to 5 #s of permit IDEA ID No.): **1236**	Updating Permit/NOI #: **1033-M6**
1	Facility Name: **32-8#2 Central Delivery Point**	Plant primary SIC Code (4 digits): **1389**	
		Plant NAIC code (6 digits): **213112**	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): **From the intersection of Highway 550 and Highway 173, go east on Highway 173 and drive 18 miles to Highway 511 (Sportsman' Inn), turn left on Highway 511 and drive 18.6 miles (crossing the dam) to mile marker 26.6, site is on the right.**		
2	Plant Operator Company Name: **Harvest Four Corners, LLC**	Phone/Fax: **(505) 632-4600 / (505) 632-4782**	
a	Plant Operator Address: **1755 Arroyo Drive, Bloomfield, New Mexico 87413**		

b	Plant Operator's New Mexico Corporate ID or Tax ID: **76-0451075**	
3	Plant Owner(s) name(s): **Same as #2 above**	Phone/Fax: **Same as #2 above**
a	Plant Owner(s) Mailing Address(s): **Same as #2a above**	
4	Bill To (Company): **Same as #2 above**	Phone/Fax: **Same as #2 above**
a	Mailing Address: **Same as #2a above**	E-mail: **N/A**
5	☐ Preparer: ☑ Consultant: **Walter Konkel III, EcoLogic Environmental Consultants, LLC**	Phone/Fax: **(805) 964-7597**
a	Mailing Address: **864 Windsor Court, Santa Barbara, CA 93111**	E-mail: **wkonkel@elogicllc.com**
6	Plant Operator Contact: **Oakley Hayes**	Phone/Fax: **(505) 632-4421 / (505) 632-4782**
a	Address: **Same as #2a above**	E-mail: **oakley.hayes@harvestmidstream.com**
7	Air Permit Contact: **Oakley Hayes**	Title: **Environmental Specialist**
a	E-mail: **Same as #6a above**	Phone/Fax: **Same as #6a above**
b	Mailing Address: **Same as #2a above**	
c	The designated Air permit Contact will receive all official correspondence (i.e. letters, permits) from the Air Quality Bureau.	

Section 1-B: Current Facility Status

1.a	Has this facility already been constructed? ☑ Yes ☐ No	1.b. If yes to question 1.a, is it currently operating in New Mexico? ☑ Yes ☐ No
2	If yes to question 1.a, was the existing facility subject to a Notice of Intent (NOI) (20.2.73 NMAC) before submittal of this application? ☐ Yes ☑ No	If yes to question 1.a, was the existing facility subject to a construction permit (20.2.72 NMAC) before submittal of this application? ☑ Yes ☐ No
3	Is the facility currently shut down? ☐ Yes ☑ No	If yes, give month and year of shut down (MM/YY): **N/A**
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? ☐ Yes ☑ No	
5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? ☐ Yes ☐ No ☑ N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? ☑ Yes ☐ No	If yes, the permit No. is: **P207-R3-M1**
7	Has this facility been issued a No Permit Required (NPR)? ☐ Yes ☑ No	If yes, the NPR No. is: **N/A**
8	Has this facility been issued a Notice of Intent (NOI)? ☐ Yes ☑ No	If yes, the NOI No. is: **N/A**
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? ☑ Yes ☐ No	If yes, the permit No. is: **1033-M6**
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? ☐ Yes ☑ No	If yes, the register No. is: **N/A**

Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: **3.983 MMCF[(a)]**	Daily: **95.59 MMCF[(a)]**	Annually: **34,890 MMCF[(a)]**
b	Proposed	Hourly: **3.983 MMCF[(a)]**	Daily: **95.59 MMCF[(a)]**	Annually: **34,890 MMCF[(a)]**
2	What is the facility's maximum production rate, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: **3.983 MMCF[(a)]**	Daily: **95.59 MMCF[(a)]**	Annually: **34,890 MMCF[(a)]**
b	Proposed	Hourly: **3.983 MMCF[(a)]**	Daily: **95.59 MMCF[(a)]**	Annually: **34,890 MMCF[(a)]**

[(a)] **Station capacity is a direct function of available horsepower. The throughput is therefore dependent on atmospheric temperature, gas temperature, atmospheric pressure, gas pressure, relative humidity and gas quality, as well as other factors. The "capacity" expressed in the application is a nominal quantity, neither an absolute maximum nor an average. The actual throughput will vary from the nominal amount.**

Section 1-D: Facility Location Information

1	Section: **27**	Range: **8W**	Township: **32N**	County: **San Juan**	Elevation (ft): **6,720**
2	UTM Zone: ☐ 12 or ☑ 13			Datum: ☐ NAD 27 ☐ NAD 83 ☑ WGS 84	
a	UTM E (in meters, to nearest 10 meters): **282,880**			UTM N (in meters, to nearest 10 meters): **4,093,425**	
b	**AND** Latitude (deg., min., sec.): **36° 57' 25"**			Longitude (deg., min., sec.): **- 107° 39' 47"**	
3	Name and zip code of nearest New Mexico town: **Aztec, New Mexico 87410**				
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): **From the intersection of Highway 550 and Highway 173, go east on Highway 173 and drive 18 miles to Highway 511 (Sportsman' Inn), turn left on Highway 511 and drive 18.6 miles (crossing the dam) to mile marker 26.6, site is on the right.**				
5	The facility is **approximately 17.4** miles **east** of **Aztec, New Mexico**.				
6	Status of land at facility (check one): ☑ Private ☐ Indian/Pueblo ☐ Federal BLM ☐ Federal Forest Service ☐ Other (specify)				
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: **None, Southern Ute Tribe, Rio Arriba County, and San Juan County**				
8	**20.2.72** NMAC applications **only**: Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/aqb/modeling/class1areas.html)? ☑ Yes ☐ No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers: **Colorado – 4.7 km**				
9	Name nearest Class I area: **Weminuche Wilderness Area**				
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): **51.52 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: **≈ 17,000 m**				
12	Method(s) used to delineate the Restricted Area: **Fence** "**Restricted Area**" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.				
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? ☐ Yes ☑ No A portable stationary source is not a mobile source, such as an automobile, but a source that can be installed permanently at one location or that can be re-installed at various locations, such as a hot mix asphalt plant that is moved to different job sites.				
14	Will this facility operate in conjunction with other air regulated parties on the same property? ☑ No ☐ Yes If yes, what is the name and permit number (if known) of the other facility? **N/A**				

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

1	Facility **maximum** operating ($\frac{\text{hours}}{\text{day}}$): **24**	($\frac{\text{days}}{\text{week}}$): **7**	($\frac{\text{weeks}}{\text{year}}$): **52**	($\frac{\text{hours}}{\text{year}}$): **8,760**		
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start: **N/A**	☐AM ☐PM	End: **N/A**	☐AM ☐PM		
3	Month and year of anticipated start of construction: **N/A**					
4	Month and year of anticipated construction completion: **N/A**					
5	Month and year of anticipated startup of new or modified facility: **N/A**					
6	Will this facility operate at this site for more than one year? ☑ Yes ☐ No					

Section 1-F: Other Facility Information

1	Are there any current Notice of Violations (NOV), compliance orders, or any other compliance or enforcement issues related to this facility? ☐ Yes ☑ No If yes, specify: **N/A**		
a	If yes, NOV date or description of issue: **N/A**		a
b	Is this application in response to any issue listed in 1-F, 1 or 1a above? ☐ Yes ☑ No If Yes, provide the 1c & 1d info below:		
c	Document Title: **N/A**	c	Document Title: **N/A**
d	Provide the required text to be inserted in this permit: **N/A**		
2	Is air quality dispersion modeling or modeling waiver being submitted with this application? ☑ Yes ☐ No		
3	Does this facility require an "Air Toxics" permit under 20.2.72.400 NMAC & 20.2.72.502, Tables A and/or B? ☐ Yes ☑ No		
4	Will this facility be a source of federal Hazardous Air Pollutants (HAP)? ☑ Yes ☐ No		
a	If Yes, what type of source? ☐ **Major** (☐ ≥10 tpy of any single HAP **OR** ☐ ≥25 tpy of any combination of HAPS) **OR** ☑ **Minor** (☑ <10 tpy of any single HAP **AND** ☑ <25 tpy of any combination of HAPS)		
5	Is any unit exempt under 20.2.72.202.B.3 NMAC? ☐ Yes ☑ No		
a	If yes, include the name of company providing commercial electric power to the facility: **N/A** Commercial power is purchased from a commercial utility company, which specifically does not include power generated on site for the sole purpose of the user.		

Section 1-G: Streamline Application

(This section applies to 20.2.72.300 NMAC Streamline applications only)

1	☐ I have filled out Section 18, "Addendum for Streamline Applications." ☑ N/A (This is not a Streamline application.)

Section 1-H: Current Title V Information - Required for all applications from TV Sources

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

1	Responsible Official (R.O.) (20.2.70.300.D.2 NMAC): **Travis Jones**		Phone: **(713) 289-2630**
a	R.O. Title: **EH&S Manager**	R.O. e-mail: **trjones@harvestmidstream.com**	
b	R. O. Address: **1111 Travis Street, Houston, Texas 77002**		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): **TBD**		Phone: **TBD**
a	A. R.O. Title: **TBD**	A. R.O. e-mail: **TBD**	
b	A. R. O. Address: **TBD**		
3	Company's Corporate or Partnership Relationship to any other Air Quality Permittee (List the names of any companies that have operating (20.2.70 NMAC) permits and with whom the applicant for this permit has a corporate or partnership relationship): **N/A**		
4	Name of Parent Company ("Parent Company" means the primary name of the organization that owns the company to be permitted wholly or in part.): **Hilcorp Energy Company**		
a	Address of Parent Company: **Same as #1b above**		
5	Names of Subsidiary Companies ("Subsidiary Companies" means organizations, branches, divisions or subsidiaries, which are owned, wholly or in part, by the company to be permitted.): **N/A**		
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations: **N/A**		
7	Affected Programs to include Other States, local air pollution control programs (i.e. Bernalillo) and Indian tribes: Will the property on which the facility is proposed to be constructed or operated be closer than 80 km (50 miles) from other states, local pollution control programs, and Indian tribes and pueblos (20.2.70.402.A.2 and 20.2.70.7.B)? If yes, state which ones and provide the distances in kilometers: **Yes, Colorado (≈ 4.7 km), Southern Ute Tribe (≈ 4.7 km), Navajo Tribe (≈ 35.6 km), Jicarilla Apache Tribe (≈ 41.4 km), Ute Mountain Ute Tribe (≈ 51.1 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_____

Email_____

Phone number _____

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

4) Optionally, the applicant may submit the files with the application on compact disk (CD) or digital versatile disc (DVD) following the instructions above and the instructions in 5 for applications subject to PSD review.

5) If **air dispersion modeling** is required by the application type, include the **NMED Modeling Waiver** and/or electronic air dispersion modeling report, input, and output files. The dispersion modeling ***summary report only*** should be submitted as hard copy(ies) unless otherwise indicated by the Bureau.

6) If the applicant submits the electronic files on CD and the application is subject to PSD review under 20.2.74 NMAC (PSD) or NNSR under 20.2.79 NMC include,
   a. one additional CD copy for US EPA,
   b. one additional CD copy for each federal land manager affected (NPS, USFS, FWS, USDI) and,
   c. one additional CD copy for each affected regulatory agency other than the Air Quality Bureau.

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

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

1) All required electronic documents shall be submitted as 2 separate CDs or submitted through the AQB secure file transfer service. Submit a single PDF document of the entire application as submitted and the individual documents comprising the application.

2) The documents should also be submitted in Microsoft Office compatible file format (Word, Excel, etc.) allowing us to access the text and formulas in the documents (copy & paste). Any documents that cannot be submitted in a Microsoft Office compatible

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

3) It is preferred that this application form be submitted as 4 electronic files (3 MSWord docs: Universal Application section 1 [UA1], Universal Application section 3-19 [UA3], and Universal Application 4, the modeling report [UA4]) and 1 Excel file of the tables (Universal Application section 2 [UA2]). Please include as many of the 3-19 Sections as practical in a single MS Word electronic document. Create separate electronic file(s) if a single file becomes too large or if portions must be saved in a file format other than MS Word.

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

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Table 2-A: Regulated Emission Sources

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

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
1	Compressor Engine	Waukesha	7042GL	403119 (Pkg x00072)	1,478 hp	1,357 hp	3/1/1991 3/1/1991	Catalyst 1	20200202	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☑ **To Be Modified** ☐ To be Replaced	4SLB	N/A
2	Compressor Engine	Waukesha	7042GL	C-12608 (Pkg x00006)	1,478 hp	1,357 hp	4/27/1998 4/27/1998	Catalyst 2	20200202	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☑ **To Be Modified** ☐ To be Replaced	4SLB	N/A
3	Compressor Engine	Waukesha	7044GSI	WAU-1653608	1,900 hp	1,500 hp	June 2022 June 2022	Catalyst 3	20200202	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☑ **To Be Modified** ☐ To be Replaced	4SRB	N/A
4	Compressor Engine	Waukesha	7044GSI	WAU-1653598	1,900 hp	1,500 hp	June 2022 June 2022	Catalyst 4	20200202	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☑ **To Be Modified** ☐ To be Replaced	4SRB	N/A
5	Compressor Engine	Waukesha	7044GSI	WAU-1653603	1,900 hp	1,500 hp	June 2022 June 2022	Catalyst 5	20200202	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☑ **To Be Modified** ☐ To be Replaced	4SRB	N/A
6	Compressor Engine	Waukesha	7044GSI	WAU-1653593	1,900 hp	1,500 hp	May 2022 May 2022	Catalyst 6	20200202	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☑ **To Be Modified** ☐ To be Replaced	4SRB	N/A
7	Compressor Engine	Waukesha	7042GL	C-11889/1 (Pkg x00243)	1,478 hp	1,357 hp	1/25/1995 1/25/1995	Catalyst 7	20200202	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
8	Compressor Engine	Waukesha	7042GL	TBD	1,478 hp	1,357 hp	TBD TBD	Catalyst 8	20200202	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
9	Compressor Engine	Waukesha	7044GSI	WAU-1653588	1,900 hp	1,500 hp	May 2022 May 2022	Catalyst 9	20200202	☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☑ **To Be Modified** ☐ To be Replaced	4SRB	N/A
17	Compressor Engine	Waukesha	7042GL	401154 (Pkg x00052)	1,478 hp	1,357 hp	9/9/1989 9/9/1989	Catalyst 17	20200202	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
18	Compressor Engine	Waukesha	7042GL	C-61618/1 (Pkg x00051)	1,478 hp	1,357 hp	2/19/1999 2/19/1999	Catalyst 18	20200202	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
19	Compressor Engine	Waukesha	7042GL	TBD	1,478 hp	1,357 hp	TBD TBD	Catalyst 19	20200202	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
10a	Dehydrator Still Vent	Enertek	J2P20M11109	42384	20 mmcfd	20 mmcfd		N/A 10a	31000227	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
10b	Dehydrator Reboiler	Enertek	J2P20M11109	42384	1,648 scfh	1,648 scfh		N/A 10b	31000228	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
11a	Dehydrator Still Vent	Enertek	J2P20M11109	42267	20 mmcfd	20 mmcfd		N/A 11a	31000227	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
11b	Dehydrator Reboiler	Enertek	J2P20M11109	42267	1,648 scfh	1,648 scfh		N/A 11b	31000228	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources

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

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
12a	Dehydrator Still Vent	Enertek	J2P20M11109	39062	20 mmcfd	20 mmcfd		N/A 12a	31000227	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
12b	Dehydrator Reboiler	Enertek	J2P20M11109	39062	1,648 scfh	1,648 scfh		N/A 12b	31000228	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
13a	Dehydrator Still Vent	Enertek	J2P12M11109	41644	12 mmcfd	12 mmcfd		N/A 13a	31000227	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
13b	Dehydrator Reboiler	Enertek	J2P12M11109	41644	1,208 scfh	1,208 scfh		N/A 13b	31000228	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
14a	Dehydrator Still Vent	Enertek	J2P12M11109	TBD	12 mmcfd	12 mmcfd		N/A 14a	31000227	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
14b	Dehydrator Reboiler	Enertek	J2P12M11109	TBD	1,208 scfh	1,208 scfh		N/A 14b	31000228	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
15a	Dehydrator Still Vent	Enertek	J2P20M11109	43797	20 mmcfd	20 mmcfd		N/A 15a	31000227	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
15b	Dehydrator Reboiler	Enertek	J2P20M11109	43797	1,648 scfh	1,648 scfh		N/A 15b	31000228	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
16a	Dehydrator Still Vent	Enertek	J2P20M11109	TBD	20 mmcfd	20 mmcfd		N/A 16a	31000227	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
16b	Dehydrator Reboiler	Enertek	J2P20M11109	TBD	1,648 scfh	1,648 scfh		N/A 16b	31000228	☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
20a	Dehydrator Still Vent	Dickson & Tryer	N/A	N/A	75 MMSCFD	75 MMSCFD		Condenser 20a	31000227	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
20b	Dehydrator Reboiler	Dickson & Tryer	N/A	N/A	2.3 MMBtu/hr	2.3 MMBtu/hr		N/A 20b	31000228	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
20c	Dehydrator Reboiler	Dickson & Tryer	N/A	N/A	2.3 MMBtu/hr	2.3 MMBtu/hr		N/A 20c	31000228	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
21a	Dehydrator Still Vent	Dickson & Tryer	N/A	N/A	120 MMSCFD	120 MMSCFD		Condenser 21a	31000227	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
21b	Dehydrator Reboiler	Dickson & Tryer	N/A	N/A	3.92 MMBtu/hr	3.92 MMBtu/hr		N/A 21b	31000228	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
21c	Dehydrator Reboiler	Dickson & Tryer	N/A	N/A	3.92 MMBtu/hr	3.92 MMBtu/hr		N/A 21c	31000228	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources

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

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
SSM	Startup, Shutdown & Maintenance Emissions	N/A	N/A	N/A	N/A	N/A	N/A / N/A	N/A / N/A	31000299	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
MAL	Malfunction Emissions	N/A	N/A	N/A	N/A	N/A	N/A / N/A	N/A / N/A	31000299	☑ **Existing (unchanged)** ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

[1] Unit numbers must correspond to unit numbers in the previous permit unless a complete cross reference table of all units in both permits is provided.

[2] Specify dates required to determine regulatory applicability.

[3] To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.

[4] "4SLB" means four stroke lean burn engine, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition

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 http://www.env.nm.gov/aqb/forms/InsignificantListTitleV.pdf . TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No. / Serial No.	Max Capacity / Capacity Units	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5) / Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Manufacture /Reconstruction[2] / Date of Installation /Construction[2]	For Each Piece of Equipment, Check Onc
T1 - T9	Lubrication Oil Storage Tank			500 gal	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T10	Lubrication Oil Storage Tank			100 bbl	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T11	Wastewater Storage Tank			165 bbl	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T12	Used Oil Storage Tank			165 bbl	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T13	Used Oil Storage Tank			500 gal	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T14	Produced Water Storage Tank			400 bbl	20.2.72.202.B(5) NMAC Insignificant Activity List Item #1		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T15	Glycol Storage Tank			500 gal	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T16	Methanol Storage Tank			500 gal	20.2.72.202.B(5) NMAC Insignificant Activity List Item #1		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T17	Antifreeze Storage Tank			500 gal	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T18 - T24	Glycol Storage Tank			100 gal	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T25 - T31	Glycol Storage Tank			50 gal	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T32 - T39	Lubrication Oil Storage Tank			500 gal	20.2.72.202.B(2) NMAC Insignificant Activity List Item #5		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
T40 - T41	Produced Water Storage Tank			400 bbl	20.2.72.202.B(5) NMAC Insignificant Activity List Item #1		☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
F1	Equipment Leak Emissions			N/A N/A	20.2.72.202.B(5) NMAC Insignificant Activity List Item #1		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
L1	Truck Loading Emissions			N/A N/A	20.2.72.202.B(5) NMAC Insignificant Activity List Item #1		☑ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced

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

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

Table 2-C: Emissions Control Equipment

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

Control Equipment Unit No.	Control Equipment Description	Date Installed	Controlled Pollutant(s)	Controlling Emissions for Unit Number(s)[1]	Efficiency (% Control by Weight)	Method used to Estimate Efficiency
1	Oxidation Catalytic Converter	TBD	CO, VOC, HCHO	1	CO >93%; VOC >79%; HCHO >93%	Mfg. specs
2	Oxidation Catalytic Converter	TBD	CO, VOC, HCHO	2	CO >93%; VOC >79%; HCHO >93%	Mfg. specs
3	Non-Selective Catalytic Converter	10/24/2022	NOx, CO	3	NOx >96%, CO >93%	Mfg. specs
4	Non-Selective Catalytic Converter	11/10/2022	NOx, CO	4	NOx >96%, CO >93%	Mfg. specs
5	Non-Selective Catalytic Converter	11/1/2022	NOx, CO	5	NOx >96%, CO >93%	Mfg. specs
6	Non-Selective Catalytic Converter	11/28/2022	NOx, CO	6	NOx >96%, CO >93%	Mfg. specs
7	Oxidation Catalytic Converter	7/1/1999	CO, VOC, HCHO	7	CO >93%; VOC >79%; HCHO >93%	Mfg. specs
8	Oxidation Catalytic Converter	6/10/1999	CO, VOC, HCHO	8	CO >93%; VOC >79%; HCHO >93%	Mfg. specs
9	Non-Selective Catalytic Converter	12/5/2022	NOx, CO	9	NOx >96%, CO >93%	Mfg. specs
17	Oxidation Catalytic Converter	8/24/2004	CO, VOC, HCHO	17	CO >93%; VOC >79%; HCHO >93%	Mfg. specs
18	Oxidation Catalytic Converter	8/24/2004	CO, VOC, HCHO	18	CO >93%; VOC >79%; HCHO >93%	Mfg. specs
19	Oxidation Catalytic Converter	8/26/2004	CO, VOC, HCHO	19	CO >93%; VOC >79%; HCHO >93%	Mfg. specs
20a	Dehydrator Still Vent Condenser	TBD	VOC	20a	VOC>95%	Engineering Judgement
21a	Dehydrator Still Vent Condenser	TBD	VOC	21a	VOC>95%	Engineering Judgement

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

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

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

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

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
1	2.69	11.80	8.23	36.05	2.99	13.11	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
2	2.69	11.80	8.23	36.05	2.99	13.11	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
3	38.10	166.86	29.43	128.91	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
4	38.10	166.86	29.43	128.91	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
5	38.10	166.86	29.43	128.91	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
6	38.10	166.86	29.43	128.91	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
7	2.69	11.80	8.23	36.05	2.99	13.11	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
8	2.69	11.80	8.23	36.05	2.99	13.11	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
9	38.10	166.86	29.43	128.91	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
17	2.69	11.80	8.23	36.05	2.99	13.11	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
18	2.69	11.80	8.23	36.05	2.99	13.11	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
19	2.69	11.80	8.23	36.05	2.99	13.11	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
10a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
10b	0.04	0.19	0.04	0.20	0.01	0.03	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
11a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
11b	0.04	0.19	0.04	0.20	0.01	0.03	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
12a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
12b	0.04	0.19	0.04	0.20	0.01	0.03	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
13a	-	-	-	-	1.30	5.80	-	-	-	-	-	-	-	-	-	-	-	-
13b	0.04	0.19	0.03	0.14	0.00	0.02	8.33E-04	3.65E-03	9.18E-03	4.02E-02	9.18E-03	4.02E-02	9.18E-03	4.02E-02	-	-	-	-
14a	-	-	-	-	1.30	5.80	-	-	-	-	-	-	-	-	-	-	-	-
14b	0.04	0.19	0.03	0.14	0.00	0.02	8.33E-04	3.65E-03	9.18E-03	4.02E-02	9.18E-03	4.02E-02	9.18E-03	4.02E-02	-	-	-	-
15a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
15b	0.04	0.19	0.04	0.20	0.01	0.03	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
16a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
16b	0.04	0.19	0.04	0.20	0.01	0.03	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
20a	-	-	-	-	2.64	11.58	-	-	-	-	-	-	-	-	-	-	-	-
20b	0.26	1.12	0.21	0.94	0.01	0.06	5.11E-05	2.24E-04	1.94E-02	8.51E-02	1.94E-02	8.51E-02	1.94E-02	8.51E-02				
20c	0.26	1.12	0.21	0.94	0.01	0.06	5.11E-05	2.24E-04	1.94E-02	8.51E-02	1.94E-02	8.51E-02	1.94E-02	8.51E-02				
21a	-	-	-	-	5.29	23.16	-	-	-	-	-	-	-	-	-	-	-	-

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

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

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

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
21b	0.44	1.91	0.37	1.60	0.02	0.10	8.71E-05	3.81E-04	3.31E-02	1.45E-01	3.31E-02	1.45E-01	3.31E-02	1.45E-01				
21c	0.44	1.91	0.37	1.60	0.02	0.10	8.71E-05	3.81E-04	3.31E-02	1.45E-01	3.31E-02	1.45E-01	3.31E-02	1.45E-01				
SSM	-	-	-	-	-	4.60	-	-	-	-	-	-	-	-	-	-	-	-
MAL	-	-	-	-	-	10.00	-	-	-	-	-	-	-	-	-	-	-	-
Totals	211.02	924.25	206.21	903.22	56.02	259.16	0.08	0.36	1.49	6.55	1.49	6.55	1.49	6.55	-	-	-	-

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

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or $1.41E^{-4}$).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
1	2.69	11.80	0.58	2.52	0.63	2.75	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
2	2.69	11.80	0.58	2.52	0.63	2.75	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
3	1.65	7.24	1.98	8.69	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
4	1.65	7.24	1.98	8.69	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
5	1.65	7.24	1.98	8.69	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
6	1.65	7.24	1.98	8.69	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
7	2.69	11.80	0.58	2.52	0.63	2.75	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
8	2.69	11.80	0.58	2.52	0.63	2.75	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
9	1.65	7.24	1.98	8.69	1.98	8.69	7.13E-03	3.12E-02	1.21E-01	5.30E-01	1.21E-01	5.30E-01	1.21E-01	5.30E-01	-	-	-	-
17	2.69	11.80	0.58	2.52	0.63	2.75	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
18	2.69	11.80	0.58	2.52	0.63	2.75	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
19	2.69	11.80	0.58	2.52	0.63	2.75	5.91E-03	2.59E-02	1.00E-01	4.40E-01	1.00E-01	4.40E-01	1.00E-01	4.40E-01	-	-	-	-
10a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
10b	4.29E-02	1.88E-01	4.46E-02	1.95E-01	6.46E-03	2.83E-02	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
11a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
11b	4.29E-02	1.88E-01	4.46E-02	1.95E-01	6.46E-03	2.83E-02	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
12a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
12b	4.29E-02	1.88E-01	4.46E-02	1.95E-01	6.46E-03	2.83E-02	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
13a	-	-	-	-	1.30	5.80	-	-	-	-	-	-	-	-	-	-	-	-
13b	4.29E-02	1.88E-01	3.25E-02	1.42E-01	4.79E-03	2.10E-02	8.33E-04	3.65E-03	9.18E-03	4.02E-02	9.18E-03	4.02E-02	9.18E-03	4.02E-02	-	-	-	-
14a	-	-	-	-	1.30	5.80	-	-	-	-	-	-	-	-	-	-	-	-
14b	4.29E-02	1.88E-01	3.25E-02	1.42E-01	4.79E-03	2.10E-02	8.33E-04	3.65E-03	9.18E-03	4.02E-02	9.18E-03	4.02E-02	9.18E-03	4.02E-02	-	-	-	-
15a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
15b	4.29E-02	1.88E-01	4.46E-02	1.95E-01	6.46E-03	2.83E-02	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
16a	-	-	-	-	2.90	12.50	-	-	-	-	-	-	-	-	-	-	-	-
16b	4.29E-02	1.88E-01	4.46E-02	1.95E-01	6.46E-03	2.83E-02	8.33E-04	3.65E-03	1.25E-02	5.49E-02	1.25E-02	5.49E-02	1.25E-02	5.49E-02	-	-	-	-
20a	-	-	-	-	0.23	1.00	-	-	-	-	-	-	-	-	-	-	-	-
20b	2.56E-01	1.12E+00	2.15E-01	9.40E-01	1.41E-02	6.15E-02	5.11E-05	2.24E-04	1.94E-02	8.51E-02	1.94E-02	8.51E-02	1.94E-02	8.51E-02	-	-	-	-
20c	2.56E-01	1.12E+00	2.15E-01	9.40E-01	1.41E-02	6.15E-02	5.11E-05	2.24E-04	1.94E-02	8.51E-02	1.94E-02	8.51E-02	1.94E-02	8.51E-02				
21a	-	-	-	-	0.23	1.00	-	-	-	-	-	-	-	-	-	-	-	-
21b	4.36E-01	1.91E+00	3.66E-01	1.60E+00	2.40E-02	1.05E-01	8.71E-05	3.81E-04	3.31E-02	1.45E-01	3.31E-02	1.45E-01	3.31E-02	1.45E-01	-	-	-	-
21c	4.36E-01	1.91E+00	3.66E-01	1.60E+00	2.40E-02	1.05E-01	8.71E-05	3.81E-04	3.31E-02	1.45E-01	3.31E-02	1.45E-01	3.31E-02	1.45E-01				
SSM	-	-	-	-	-	4.60	-	-	-	-	-	-	-	-	-	-	-	-

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or $1.41E^{-4}$).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
MAL	-	-	-	-	-	10.00	-	-	-	-	-	-	-	-	-	-	-	-
Totals	28.80	126.16	15.40	67.46	32.00	153.94	0.08	0.36	1.49	6.55	1.49	6.55	1.49	6.55	-	-	-	-

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

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

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

All applications for facilities that have emissions during routine our predictable startup, shutdown or scheduled maintenance (SSM)[1], including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.env.nm.gov/aqb/permit/aqb_pol.html) for more detailed instructions. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[2]		PM10[2]		PM2.5[2]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

All applications for facilities that have emissions during routine our predictable startup, shutdown or scheduled maintenance (SSM)[1], including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.env.nm.gov/aqb/permit/aqb_pol.html) for more detailed instructions. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[2]		PM10[2]		PM2.5[2]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
21c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSM	-	-	-	-	-	4.60	-	-	-	-	-	-	-	-	-	-	-	-
MAL	-	-	-	-	-	10.00	-	-	-	-	-	-	-	-	-	-	-	-
Totals	-	-	-	-	-	14.60	-	-	-	-	-	-	-	-	-	-	-	-

[1] **For instance**, if the short term steady-state Table 2-E emissions are 5 lb/hr and the SSM rate is 12 lb/hr, enter 7 lb/hr in this table. If the annual steady-state Table 2-E emissions are 21.9 TPY, and the number of scheduled SSM events result in annual emissions of 31.9 TPY, enter 10.0 TPY in the table below.

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

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

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

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

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

Table 2-H: Stack Exit Conditions

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

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H-Horizontal V=Vertical)	Rain Caps (Yes or No)	Height Above Ground (ft)	Temp. (F)	Flow Rate		Moisture by Volume (%)	Velocity (ft/sec)	Inside Diameter (ft)
						(acfs)	(dscfs)			
1	1	V	No	22	802	135.4	-	-	162.5	1.02
2	2	V	No	22	802	135.4	-	-	162.5	1.02
3	3	V	No	25.5	1057	107.1			76.7	1.33
4	4	V	No	25.5	1057	107.1			76.7	1.33
5	5	V	No	25.5	1057	107.1			76.7	1.33
6	6	V	No	25.5	1057	107.1			76.7	1.33
7	7	V	No	22	802	135.4	-	-	162.5	1.02
8	8	V	No	22	802	135.4	-	-	162.5	1.02
9	9	V	No	25.5	1057	107.1			76.7	1.33
17	17	V	No	22	802	135.4	-	-	162.5	1.02
18	18	V	No	22	802	135.4	-	-	162.5	1.02
19	19	V	No	22	802	135.43	-	-	162.5	1.02
10b	10b	V	No	19	600	4.79	-	-	6.1	1
11b	11b	V	No	19	600	4.79	-	-	6.1	1
12b	12b	V	No	19	600	4.79	-	-	6.1	1
13b	13b	V	No	19	600	3.33	-	-	6.1	0.83
14b	14b	V	No	19	600	3.33	-	-	6.1	0.83
15b	15b	V	No	19	600	4.79	-	-	6.1	1
16b	16b	V	No	19	600	4.79	-	-	6.1	1
20b	20b	V	No	25	600	18.7			10.6	1.5
20c	20c	V	No	25	600	18.7			10.6	1.5
21b	21b	V	No	25	600	22.4			12.7	1.5
21c	21c	V	No	25	600	22.4			12.7	1.5

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

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

Stack No.	Unit No.(s)	Total HAPs		Formaldehyde ☑ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
1	1	-	0.2	-	0.2														
2	2	-	0.2	-	0.2														
3	3	-	0.1	-	0.1														
4	4	-	0.1	-	0.1														
5	5	-	0.1	-	0.1														
6	6	-	0.1	-	0.1														
7	7	-	0.2	-	0.2														
8	8	-	0.2	-	0.2														
9	9	-	0.1	-	0.1														
17	17	-	0.2	-	0.2														
18	18	-	0.2	-	0.2														
19	19	-	0.2	-	0.2														
10a	10a	-	-	-	-														
10b	10b	-	-	-	-														
11a	11a	-	-	-	-														
11b	11b	-	-	-	-														
12a	12a	-	-	-	-														
12b	12b	-	-	-	-														
13a	13a	-	-	-	-														
13b	13b	-	-	-	-														
14a	14a	-	-	-	-														
14b	14b	-	-	-	-														
15a	15a	-	-	-	-														
15b	15b	-	-	-	-														
16a	16a	-	-	-	-														
16b	16b	-	-	-	-														
20a	20a	-	-	-	-														
20b	20b	-	-	-	-														
20c	20c																		

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

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

Stack No.	Unit No.(s)	Total HAPs		Formaldehyde ☑ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
21a	21a	-	-	-	-														
21b	21b	-	-	-	-														
21c	21c	-	-	-	-														
SSM	SSM	-	-	-	-														
MAL	MAL	-	-	-	-														
Totals:		0.0	1.7	0.0	1.6														

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
1	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	11,175 scfh	97.89 MMscfy	-	-
2	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	11,175 scfh	97.89 MMscfy	-	-
3	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	13,468 scfh	117.98 MMscfy	-	-
4	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	13,468 scfh	117.98 MMscfy	-	-
5	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	13,468 scfh	117.98 MMscfy	-	-
6	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	13,468 scfh	117.98 MMscfy	-	-
7	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	11,175 scfh	97.89 MMscfy	-	-
8	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	11,175 scfh	97.89 MMscfy	-	-
9	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	13,468 scfh	117.98 MMscfy	-	-
17	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	11,175 scfh	97.89 MMscfy	-	
18	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	11,175 scfh	97.89 MMscfy	-	
19	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	11,175 scfh	97.89 MMscfy	-	
10b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	1,648 scfh	14.44 MMscfy	-	-
11b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	1,648 scfh	14.44 MMscfy	-	-
12b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	1,648 scfh	14.44 MMscfy	-	-
13b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	1,208 scfh	10.58 MMscfy	-	-
14b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	1,208 scfh	10.58 MMscfy	-	-
15b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	1,648 scfh	14.44 MMscfy	-	-
16b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	1,648 scfh	14.44 MMscfy	-	-
20b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	2,555 scfh	22.38 MMscf/yr	-	-
20c	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	2,555 scfh	22.38 MMscf/yr	-	-
21b	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	4,355 scfh	38.15 MMscf/yr	-	-
21c	Natural Gas	Raw/Field Natural Gas	900 Btu/scf	4,355 scfh	38.15 MMscf/yr	-	-

Table 2-K: Liquid Data for Tanks Listed in Table 2-L

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

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb*mol)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)
T1 - T9	40400313	Lubrication Oil	Lubrication Oil	Exempt & Insignificant Source					
T10	40400313	Lubrication Oil	Lubrication Oil	Exempt & Insignificant Source					
T11	40400313	Waste Water	99% H2O & 1% Hydrocarbons	Exempt & Insignificant Source					
T12	40400313	Used Oil	Used Lubrication Oil	Exempt & Insignificant Source					
T13	40400313	Used Oil	Used Lubrication Oil	Exempt & Insignificant Source					
T14	40400315	Produced Water	99% H2O & 1% Hydrocarbons	Exempt & Insignificant Source					
T15	40705218	Glycol	Triethylene Glycol (TEG)	Exempt & Insignificant Source					
T16	40700816	Methanol	Methanol	Exempt & Insignificant Source					
T17	31000299	Antifreeze	Ethylene Glycol	Exempt & Insignificant Source					
T18 - T24	40705218	Glycol	Triethylene Glycol (TEG)	Exempt & Insignificant Source					
T25 - T31	40705218	Glycol	Triethylene Glycol (TEG)	Exempt & Insignificant Source					
T32 - T39	40400313	Lubrication Oil	Lubrication Oil	Exempt & Insignificant Source					
T40 - T41	40400315	Produced Water	99% H2O & 1% Hydrocarbons	Exempt & Insignificant Source					

Table 2-L: Tank Data

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

Tank No.	Date Installed	Materials Stored	Seal Type (refer to Table 2-LR below)	Roof Type (refer to Table 2-LR below)	Capacity		Diameter (M)	Vapor Space (M)	Color (from Table VI-C)		Paint Condition (from Table VI-C)	Annual Throughput (gal/yr)	Turn-overs (per year)
					(bbl)	(M^3)			Roof	Shell			
T1 - T9		Lubrication Oil	N/A	FX	12		Exempt & Insignificant Source						
T10		Lubrication Oil	N/A	FX	100		Exempt & Insignificant Source						
T11		Waste Water	N/A	FX	165		Exempt & Insignificant Source						
T12		Used Oil	N/A	FX	165		Exempt & Insignificant Source						
T13		Used Oil	N/A	FX	12		Exempt & Insignificant Source						
T14		Produced Water	N/A	FX	400		Exempt & Insignificant Source						
T15		Glycol	N/A	FX	12		Exempt & Insignificant Source						
T16		Methanol	N/A	FX	12		Exempt & Insignificant Source						
T17		Antifreeze	N/A	FX	12		Exempt & Insignificant Source						
T18 - T24		Glycol	N/A	FX	2		Exempt & Insignificant Source						
T25 - T31		Glycol	N/A	FX	1		Exempt & Insignificant Source						
T32 - T39		Lubrication Oil	N/A	FX	12		Exempt & Insignificant Source						
T40 - T41		Produced Water	N/A	FX	400		Exempt & Insignificant Source						

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

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

Note: 1.00 bbl = 0.159 M^3 = 42.0 gal

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

Material Processed				Material Produced			
Description	**Chemical Composition**	**Phase (Gas, Liquid, or Solid)**	**Quantity (specify units)**	**Description**	**Chemical Composition**	**Phase**	**Quantity (specify units)**
Low pressure natural gas	C1-C6+	Gas	34,890 MMCFY	High pressure natural gas	C1-C6+	Gas	34,890 MMCFY
The material processed and material produced are both a direct function of available horsepower. The material processing and production rates are therefore dependent on atmospheric							
temperature and pressure, gas temperature and pressure, relative humidity and gas quality, was well as other factors. The values expressed above are a nominal quantities (with a safety factor),							
neither an absolute maximum, nor an average. Actual values will vary from the nominal amount.							

Table 2-N: CEM Equipment

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

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

Table 2-O: Parametric Emissions Measurement Equipment

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

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

Table 2-P: Greenhouse Gas Emissions

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

		CO_2 ton/yr	N_2O ton/yr	CH_4 ton/yr	SF_6 ton/yr	PFC/HFC ton/yr[2]									Total GHG Mass Basis ton/yr[4]	Total CO_2e ton/yr[5]
Unit No.	**GWPs [1]**	**1**	**298**	**25**	**22,800**	**footnote 3**										
1	**mass GHG**	6010.45	1.13E-02	1.13E-01											6010.58	-
	CO_2e	6010.45	3.38	2.83											-	6016.66
2	**mass GHG**	6010.45	1.13E-02	1.13E-01											6010.58	-
	CO_2e	6010.45	3.38	2.83											-	6016.66
3	**mass GHG**	6197.56	1.17E-02	1.17E-01											6197.68	-
	CO2e	6197.56	3.48	2.92											-	6203.96
4	**mass GHG**	6197.56	1.17E-02	1.17E-01											6197.68	-
	CO2e	6197.56	3.48	2.92											-	6203.96
5	**mass GHG**	6197.56	1.17E-02	1.17E-01											6197.68	-
	CO2e	6197.56	3.48	2.92											-	6203.96
6	**mass GHG**	6197.56	1.17E-02	1.17E-01											6197.68	-
	CO2e	6197.56	3.48	2.92											-	6203.96
7	**mass GHG**	6010.45	1.13E-02	1.13E-01											6010.58	-
	CO2e	6010.45	3.38	2.83											-	6016.66
8	**mass GHG**	6010.45	1.13E-02	1.13E-01											6010.58	-
	CO2e	6010.45	3.38	2.83											-	6016.66
9	**mass GHG**	6197.56	1.17E-02	1.17E-01											6197.68	-
	CO2e	6197.56	3.48	2.92											-	6203.96
17	**mass GHG**	6010.45	1.13E-02	1.13E-01											6010.58	-
	CO2e	6010.45	3.38	2.83											-	6016.66
18	**mass GHG**	6010.45	1.13E-02	1.13E-01											6010.58	-
	CO_2e	6010.45	3.38	2.83											-	6016.66
19	**mass GHG**	6010.45	1.13E-02	1.13E-01											6010.58	-
	CO2e	6010.45	3.38	2.83											-	6016.66
10a	**mass GHG**	23.13	-	1.61											24.73	-
	CO_2e	23.13	-	40.19											-	63.31
10b	**mass GHG**	842.60	1.59E-03	1.59E-02											842.62	-
	CO_2e	842.60	4.73E-01	3.97E-01											-	843.47

Table 2-P: Greenhouse Gas Emissions

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

		CO_2 ton/yr	N_2O ton/yr	CH_4 ton/yr	SF_6 ton/yr	PFC/HFC ton/yr[2]									Total GHG Mass Basis ton/yr[4]	Total CO_2e ton/yr[5]
Unit No.	**GWPs [1]**	**1**	**298**	**25**	**22,800**	**footnote 3**										
11a	**mass GHG**	23.13	-	1.61											24.73	-
	CO_2e	23.13	-	40.19											-	63.31
11b	**mass GHG**	842.60	1.59E-03	1.59E-02											842.62	-
	CO_2e	842.60	4.73E-01	3.97E-01											-	843.47
12a	**mass GHG**	23.13	-	1.61											24.73	-
	CO_2e	23.13	-	40.19											-	63.31
12b	**mass GHG**	842.60	1.59E-03	1.59E-02											842.62	-
	CO_2e	842.60	4.73E-01	3.97E-01											-	843.47
13a	**mass GHG**	11.17	-	7.75E-01											11.94	-
	CO_2e	11.17	-	19.38											-	30.55
13b	**mass GHG**	617.63	1.16E-03	1.16E-02											617.65	-
	CO_2e	617.63	3.47E-01	2.91E-01											-	618.27
14a	**mass GHG**	11.17	-	7.75E-01											11.94	-
	CO_2e	11.17	-	19.38											-	30.55
14b	**mass GHG**	617.63	1.16E-03	1.16E-02											617.65	-
	CO_2e	617.63	3.47E-01	2.91E-01											-	618.27
15a	**mass GHG**	23.13	-	1.61											24.73	-
	CO_2e	23.13	-	40.19											-	63.31
15b	**mass GHG**	842.60	1.59E-03	1.59E-02											842.62	-
	CO_2e	842.60	4.73E-01	3.97E-01											-	843.47
16a	**mass GHG**	23.13	-	1.61											24.73	-
	CO_2e	23.13	-	40.19											-	63.31
16b	**mass GHG**	842.60	1.59E-03	1.59E-02											842.62	-
	CO_2e	842.60	4.73E-01	3.97E-01											-	843.47
20a	**mass GHG**	371.86		15.55											387.41	-
	CO_2e	371.86	-	388.73											-	760.59
20b	**mass GHG**	1306.34	2.46E-03	2.46E-02											1306.36	-
	CO_2e	1306.34	7.34E-01	6.15E-01											-	1307.69
20c	**mass GHG**	1306.34	2.46E-03	2.46E-02											1306.36	-
	CO_2e	1306.34	7.34E-01	6.15E-01											-	1307.69

Table 2-P: Greenhouse Gas Emissions

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

		CO_2 ton/yr	N_2O ton/yr	CH_4 ton/yr	SF_6 ton/yr	PFC/HFC ton/yr[2]									**Total GHG** Mass Basis ton/yr[4]	**Total CO_2e** ton/yr[5]
Unit No.	**GWPs [1]**	**1**	**298**	**25**	**22,800**	**footnote 3**										
21a	**mass GHG**	744.60		31.23											775.83	-
	CO_2e	744.60	-	780.74											-	1525.34
21b	**mass GHG**	2226.65	4.20E-03	4.20E-02											2226.70	-
	CO_2e	2226.65	1.25E+00	1.05E+00											-	2228.95
21c	**mass GHG**	2226.65	4.20E-03	4.20E-02											2226.70	-
	CO_2e	2226.65	1.25	1.05											-	2228.95
SSM	**mass GHG**	361.55		983.57	Includes SSM and compressor venting										1345.13	-
	CO_2e	361.55	-	24589.327											-	24950.88
MAL	**mass GHG**	1210.67	-	3290.03											4500.70	-
	CO_2e	1210.67	-	82250.847											-	83461.516
	mass GHG															
	CO_2e															
Totals	**mass GHG**	88401.84	0.16	4331.59											92733.59	-
	CO_2e	88401.84	48.06	108289.65											-	196739.55

[1] **GWP** (Global Warming Potential): Applicants must use the most current GWPs codified in Table A-1 of 40 CFR part 98. GWPs are subject to change, therefore, applicants need to check 40 CFR 98 to confirm GWP values.

[2] For **HFCs** or **PFCs** describe the specific HFC or PFC compound and use a separate column for each individual compound.

[3] For each new compound, enter the appropriate GWP for each HFC or PFC compound from Table A-1 in 40 CFR 98.

[4] Green house gas emissions on a **mass basis** is the ton per year green house gas emission before adjustment with its GWP.

[5] **CO_2e** means Carbon Dioxide Equivalent and is calculated by multiplying the TPY mass emissions of the green house gas by its GWP.

Section 3

Application Summary

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

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

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

Application Summary

Harvest Four Corners, LLC (Harvest) is submitting this permit application to the New Mexico Air Quality Bureau (NMAQB) to revise the 32-8 #2 Central Point Delivery (32-8 #2 CDP) Compressor Station, New Source Review Construction (NSR) Permit 1033-M6 issued September 22, 2022. This application for a significant permit revision is submitted under 20.2.72.219.D(1) of the New Mexico Administrative Code (NMAC).

The 32-8 #2 CDP compresses pipeline quality natural gas for transport through natural gas pipelines. The permitted equipment at the facility currently includes seven Waukesha 7042GL natural gas-fired compressor engines (Units 1-2, 7-8 and 17-19), five Waukesha 7044GSI natural gas-fired compressor engines (Units 3-6 and 9) and seven triethylene glycol dehydrators (Units 10-16). In addition to the regulated equipment, the facility includes numerous exempt/insignificant organic liquid storage tanks and fugitive emissions. The applicable regulation is 20.2.72 New Mexico Administrative Code (NMAC). The lowest level regulatory citation is 20.2.72.219.D(1) NMAC.

The following permit changes are requested:

- Add two triethlyene glycol dehydrators, one rated at 75 MMscfd (Unit No. 20) and one rated at 120 MMscfd (Unit No. 21).
- Add two 400 barrel produced water storage tanks (T40 and T41).

- Re-permit the existing five Waukesha 7044GSI natural gas-fired compressor engines (Units 3-6 and 9) and existing two Waukesha 7042GL natural gas-fired compressor engines (Units 1 and 2) to meet the requirements of 20.2.50 NMAC, Oil and Gas Sector – Ozone Precursor Pollutants Rule.

Process Description

The facility is a natural gas compressor station. The gas is compressed for pipeline transmission using up to twelve compressors driven by natural gas-fired engines. Gas is currently dried using seven TEG dehydrators. With this modification, the facility will be permitted for a total of nine TEG dehydrators.

Startup, Shutdown and Maintenance Emissions

There will be no SSM emissions from the two additional dehydrators above those identified for steady-state operation. A discussion justifying this conclusion is provided in Section 6.

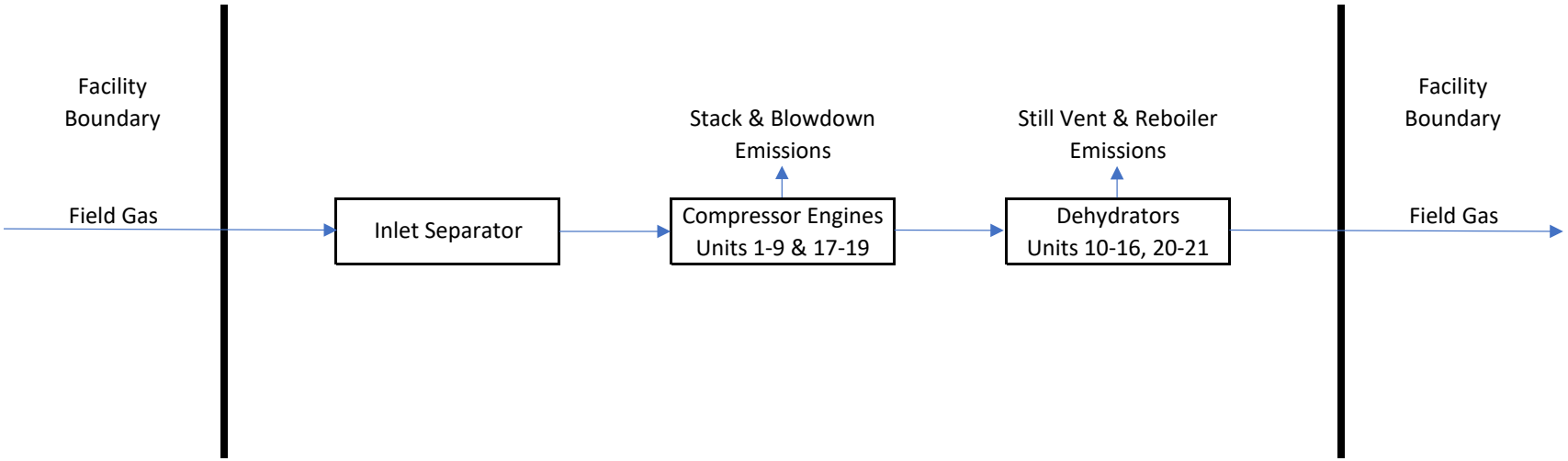
Section 4

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 provided in this section. Please see the following page.

Flow Diagram

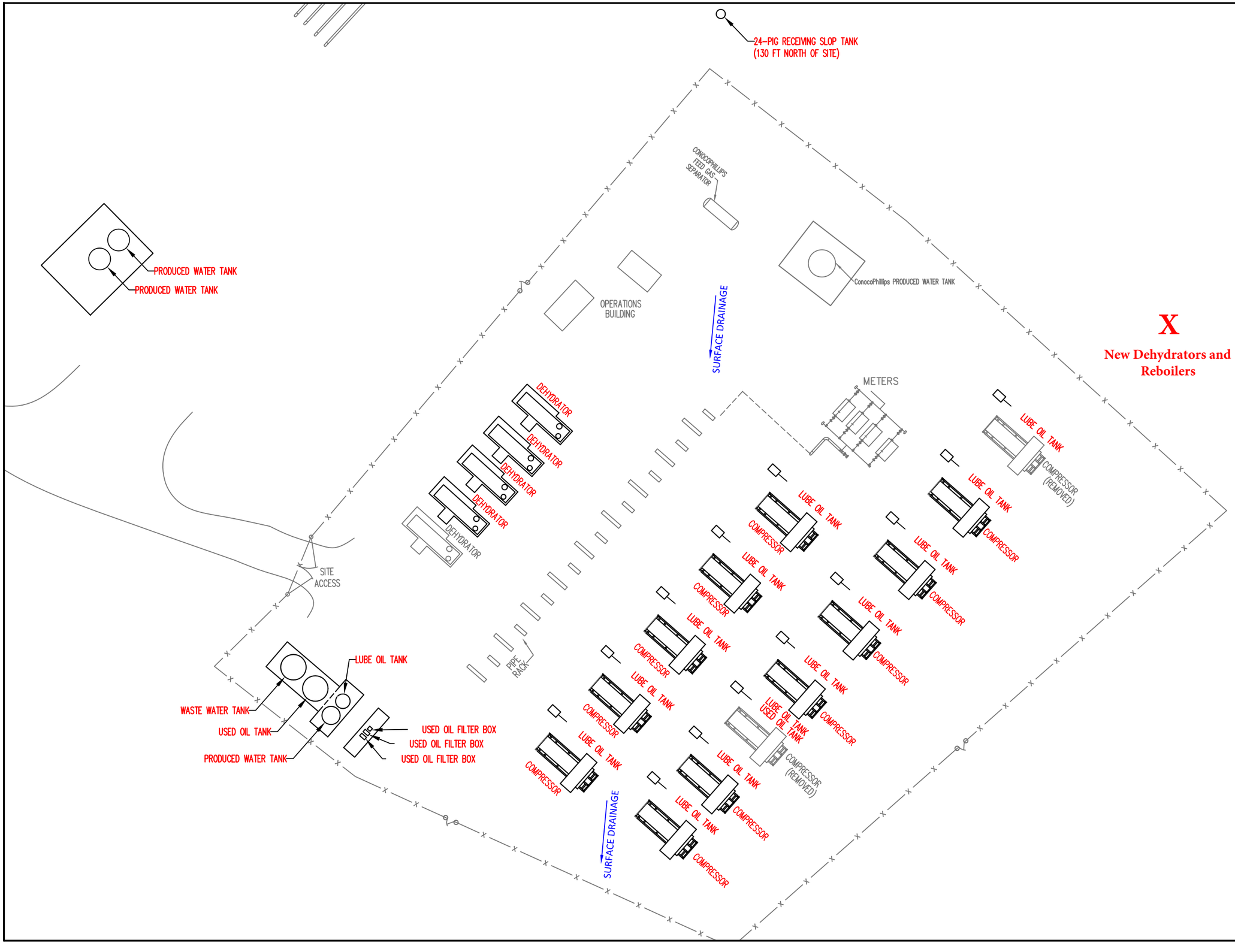


Section 5

Plot Plan Drawn To Scale

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

A plot plan is provided in this section. Please see the following page.



FACILITY LAYOUT
WILLIAMS FOUR CORNERS LLC
32-8 #2 CDP FACILITY
SE ¼ NW¼, SECTION 27, T32N, R8W
SAN JUAN COUNTY, NEW MEXICO
N36.95636, W107.66296

animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN BY:	DATE DRAWN:
C. Lameman	December 4, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 31, 2015
CHECKED BY:	**DATE CHECKED:**
S. Hinds	December 31, 2015
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 31, 2015

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.

Engines

The engines NO_x, CO, and VOC emissions were calculated from manufacturer's data. The SO_2 and particulate emissions were calculated using AP-42 emission factors from Table 3.2-2. HAP emissions were calculated using GRI-HAPCalc 3.0. All emissions were calculated assuming each engine operates at full site capacity for 8,760 hours per year.

The engines startup with no load and a rich fuel mixture. As a result, emissions are minimized. Because the engines take only minutes to reach operating temperature, emissions during startup are not expected to exceed the steady-state allowable limits. Similarly, emissions during shutdown do not exceed the steady-state allowable limits, because fuel and air flow cease within seconds of shutdown. Emissions due to scheduled maintenance are negligible as the engines are not in operation during maintenance.

The five existing five Waukesha 7044GSI natural gas-fired compressor engines (Units 3-6 and 9) and two existing Waukesha 7042GL natural gas-fired compressor engines (Units 1 and 2) will be re-permitted with lower NOx and CO emissions to meet the requirements of 20.2.50 NMAC, Oil and Gas Sector – Ozone Precursor Pollutants Rule.

SSM (Compressors and Piping)

SSM blowdown emissions from the compressors and piping associated with the facility occur when high pressure gas is used to purge air from the system prior to startup. Also, after shutdowns, high pressure gas is released to atmosphere as a safety precaution.

VOC and HAP emissions from blowdowns of the turbines, compressors and piping associated with the station were calculated from the quantity of gas vented during each event, the composition of the gas, and the number of events. The quantity of gas vented during each event was determined by Harvest engineering. The composition of the gas was determined from a recent extended gas analysis. For each unit, the annual number of blowdown events were estimated based on historical operations. A safety factor was added because emissions from each blowdown event are dependent on the composition of the gas in the pipeline and because the number of blowdowns in a year may vary. Use of the safety factor is also designed to ensure an adequate emissions limit, which includes emissions from other miscellaneous startup, shutdown and maintenance activities.

The SSM emissions identified in this application are routine or predictable startup/shutdown and scheduled maintenance and do not include malfunctions or upsets.

No modifications are being made to the SSM emissions. Permitted VOC emissions are carried forward and not revised.

Dehydrator Still Vents

The two new dehydrator still vent VOC and HAP emissions were calculated using GRI-GLYCalc 4.0. The new dehydrators still vent emissions will be controlled by a condenser with the non-condensables routed back to the reboiler for combustion. All emissions were calculated assuming each dehydrator operates at full capacity for 8,760 hours per year. To allow for variability in the composition of the inlet gas stream, the dehydrator still vent VOC emission rates identified on the application forms (Table 2-E) are higher than the calculated emission rates in this section.

During startup, the dehydrator reboiler is brought up to temperature before allowing glycol into the absorber. This prevents excess VOC and HAP from collecting in the glycol stream and there are no excess startup emissions above those expected during steady-state operation. During shutdown, the reboiler is shut down in conjunction with the gas flow and glycol circulation. Again, this prevents excess VOC and HAP from collecting in the glycol stream and there are no excess shutdown emissions above those expected during steady-state operation. Emissions due to scheduled maintenance are negligible; either the unit will not be in operation during maintenance or maintenance is limited to tasks for which there are no excess emissions.

No modifications are being made to the existing dehydrators or their operation. Permitted VOC emissions are carried forward and not revised.

Dehydrator Reboilers

The four new dehydrator reboiler NO_X and CO emissions (two reboilers for each dehydrator) were calculated using EPA AP-42 emission factors from Tables 1.4-1 and 1.4-2. HAP emissions were calculated using GRI-HAPCalc 3.0. The particulate and lead emissions were calculated using AP-42 emission factors from Table 1.4-2. All emissions were calculated assuming each reboiler operates 8,760 hours per year.

The dehydrator reboilers (uncontrolled) startup with less fuel input than during steady-state operation, so emissions are lower than during steady-state operation. During shutdown, the fuel supply stops quickly, but air flow may not, causing the continued formation of NO_X. Even so, with no fuel, NO_X formation should be less than during steady-state operation. Emissions due to scheduled maintenance are negligible as the units are not in operation.

No modifications are being made to the existing dehydrator reboilers or their operation. Permitted criteria pollutant and HAP emissions are carried forward and not revised.

Truck Loading (Produced Water)

Produced water truck loading VOC emissions were calculated using the AP-42 emissions factor identified in Section 5.2-1. The data used to calculate the emission factor was obtained assuming the liquid was pure water.

Due to the nature of the source, it is estimated that SSM emissions from truck loading are accounted for in the calculations.

The produced water truck loading is an exempt source in accordance with 20.2.72.202.B(5) NMAC (VOC emissions are less than 0.5 tons per year).

Equipment Leak Emissions

Equipment leak VOC and HAP emissions were calculated using emission factors from Table 2.4 of the 1995 Protocol for Equipment Leak Emission Estimates published by the Environmental Protection Agency (EPA) and the gas stream composition obtained from a recent extended gas analysis. Emissions were calculated assuming the equipment operates 8,760 hours per year.

Due to the nature of the source, it is estimated that SSM emissions from the equipment are accounted for in the calculations.

The equipment leak emissions are an exempt source in accordance with 20.2.72.202.B(5) NMAC (VOC emissions are less than 0.5 tons per year).

Malfunctions

Malfunction emissions were set at 10.0 tons of VOC per year to account for emissions that may occur during upsets and malfunctions (including, but not limited to, unscheduled blowdowns and relief valve release). Based on the gas release rate associated with the set annual VOC emission rate, HAP emissions are calculated using a recent extended gas analysis. Note that these malfunction emissions include the venting of gas only, not combustion emissions.

No modifications are being made to the malfunction emissions. Permitted VOC emissions are carried forward and not revised.

Storage Tanks

Working/breathing losses for the two new 400 bbl produced water storage tanks were calculated using TANKS 4.0.9d. The following assumptions were made:

- Produced water was assumed to contain 99% water and 1% gasoline RVP-12.

The VOC emission rate from each produced water storage tank is 18.1 pounds per year. As such, they are exempt sources under 20.2.72.202.B(5) NMAC.

Due to the nature of operations, startup and shutdown emissions from the storage tanks are assumed to be accounted for in the calculations discussed above. Emissions due to maintenance are negligible as the units are not in operation during maintenance.

No changes are being made to the existing storage tanks or their operation. Emissions from the tanks are carried forward and not revised.

Engine Exhaust Emissions Calculations

Unit Number: 1-2, 7-8 & 17-19
Description: Waukesha L7042GL

Note: The data on this worksheet applies to each individual emissions unit identified above.

Horsepower Calculations

6,720 ft above MSL	Elevation	
1,478 hp	Nameplate hp	Mfg. data
1,357 hp	NMAQB Site-rated hp	NMAQB Procedure # 02.002-00 (loss of 3% for every 1,000 ft over 4,000 ft)
1,324 hp	Mfg. Site-rated hp	Mfg. product bulletin Power Derate, S8154-6, April 2001 (loss of 2% for every 1,000 ft over 1,500 ft)

Fuel Consumption

7409.56 Btu/hp-hr	Brake specific fuel consumption	Mfg. data (carried forward from previous appl.)
10.06 MMBtu/hr	Hourly fuel consumption	Btu/hp-hr x NMAQB site-rated hp / 1,000,000
11,175 scf/hr	Hourly fuel consumption	MMBtu/hr x 1,000,000 / Btu/scf
8,760 hr/yr	Annual operating time	Harvest Four Corners, LLC
88,105 MMBtu/yr	Annual fuel consumption	MMBtu/hr x hr/yr
97.89 MMscf/yr	Annual fuel consumption	scf/hr x hr/yr / 1,000,000
900 Btu/scf	Field gas heating value	Nominal heat content

Steady-State Emission Rates

Pollutants	Emission Factors, g/hp-hr	Uncontrolled Emission Rates pph	Uncontrolled Emission Rates tpy	Control Efficiency	Controlled Emission Rates pph	Controlled Emission Rates tpy
NOX	0.90	2.69	11.80	0%	2.69	11.80
CO	2.75	8.23	36.05	93%	0.58	2.52
VOC	1.00	2.99	13.11	79%	0.63	2.75

NO_X, CO & VOC emissions taken from Waukesha Bulletin 7005 0102
Uncontrolled Emission Rates (pph) = g/hp-hr x NMAQB Site-rated hp / 453.59 g/lb
Uncontrolled Emission Rates (tpy) = Uncontrolled Emission Rates (pph) x hr/yr / 2,000 lb/ton
Control efficiency for CO based on a typical catalyst mfr. data sheet.
Control efficiency for VOC is based on Waukesha-Pearce data.
Controlled Emission Rates (pph) = Uncontrolled Emission Rates (pph) x (1 - (% / 100))
Controlled Emission Rates (tpy) = Uncontrolled Emission Rates (tpy) x (1 - (% / 100))

Pollutants	Emission Factors, lb/MMBtu	Uncontrolled Emission Rates, pph	Uncontrolled Emission Rates, tpy
SO2	5.88E-04	5.91E-03	2.59E-02
TSP	9.99E-03	1.00E-01	4.40E-01
PM10	9.99E-03	1.00E-01	4.40E-01
PM2.5	9.99E-03	1.00E-01	4.40E-01

Emission factors taken from AP-42, Table 3.2-2
Particulate factors include both filterable and condensible emissions
Uncontrolled Emission Rates (pph) = lb/MMBtu x MMBtu/hr
Uncontrolled Emission Rates (tpy) = Uncontrolled Emission Rates (pph) x hr/yr / 2,000 lb/ton

Exhaust Parameters

802 °F	Stack exit temperature	Mfg. data (carried forward from previous appl.)
8126 acfm	Stack flowrate	Mfg. data (carried forward from previous appl.)
1.02 ft	Stack exit diameter	Harvest Four Corners, LLC
0.82 ft^2	Stack exit area	3.1416 x ((ft / 2) ^2)
162.54 fps	Stack exit velocity	acfm / ft^2 / 60 sec/min
22.00 ft	Stack height	Harvest Four Corners, LLC

Engine Exhaust Emissions Calculations

Unit Number: 3-6 & 9
Description: Waukesha L7044GSI

Note: The data on this worksheet applies to each individual emissions unit identified above.

Horsepower Calculations

6,720	ft above MSL	Elevation	
1,900	hp	Nameplate hp	Mfg. data
1,500	hp	Mfg. Site-rated hp	Mfg. data

Fuel Consumption

8081.00	Btu/hp-hr	Brake specific fuel consumption (HHV)	Mfg. data
12.12	MMBtu/hr	Hourly fuel consumption (HHV)	Btu/hp-hr x Mfg. site-rated hp / 1,000,000
13,468	scf/hr	Hourly fuel consumption (HHV)	MMBtu/hr x 1,000,000 / Btu/scf
8,760	hr/yr	Annual operating time	Harvest Four Corners, LLC
106,184	MMBtu/yr	Annual fuel consumption (HHV)	MMBtu/hr x hr/yr
117.98	MMscf/yr	Annual fuel consumption (HHV)	scf/hr x hr/yr / 1,000,000
900	Btu/scf	Field gas heating value	Nominal heat content

Steady-State Emission Rates

Pollutants	Emission Factors, g/hp-hr	Uncontrolled Emission Rates *(Units 3-6 & 9)* pph	tpy	Control Efficiency	Controlled Emission Rates *(Units 3-6 & 9)* pph	tpy
NOX	11.52	38.10	166.86	96%	1.65	7.24
CO	8.90	29.43	128.91	93%	1.98	8.69
VOC	0.60	1.98	8.69	0%	1.98	8.69

NO_X, CO & VOC emissions are shown to meet the NMED ozone precursor rule standards.
Uncontrolled Emission Rates (pph) = g/hp-hr x Mfg. Site-rated hp / 453.59 g/lb
Uncontrolled Emission Rates (tpy) = Uncontrolled Emission Rates (pph) x hr/yr / 2,000 lb/ton
Control efficiency for NOx, CO and VOC are estimated based on ozone precursor rule standards.
Controlled Emission Rates (pph) = Uncontrolled Emission Rates (pph) x (1 - (% / 100))
Controlled Emission Rates (tpy) = Uncontrolled Emission Rates (tpy) x (1 - (% / 100))

Pollutants	Emission Factors, lb/MMBtu	Uncontrolled Emission Rates, pph	tpy
SO2	5.88E-04	7.13E-03	3.12E-02
TSP	9.99E-03	1.21E-01	5.30E-01
PM10	9.99E-03	1.21E-01	5.30E-01
PM2.5	9.99E-03	1.21E-01	5.30E-01

Emission factors taken from AP-42, Table 3.2-2
Particulate factors include both filterable and condensible emissions
Uncontrolled Emission Rates (pph) = lb/MMBtu x MMBtu/hr
Uncontrolled Emission Rates (tpy) = Uncontrolled Emission Rates (pph) x hr/yr / 2,000 lb/ton

Exhaust Parameters

1058	°F	Stack exit temperature	Vendor Data Sheet
6810	acfm	Stack flowrate	Vendor Data Sheet
1.33	ft	Stack exit diameter	Harvest Four Corners, LLC
1.40	ft^2	Stack exit area	3.1416 x ((ft / 2) ^2)
81.29	fps	Stack exit velocity	acfm / ft^2 / 60 sec/min
25.50	ft	Stack height	Harvest Four Corners, LLC

Dehydrator Reboiler Exhaust Emissions Calculations

Unit Number: 20b, 20c
Description: Dehydrator Reboiler (75 mmscfd)

Note: The data on this worksheet applies to each individual emissions unit identified above.

Fuel Consumption

2,555	scf/hr	Hourly fuel consumption	Mfg. data (Enertek)
900	Btu/scf	Field gas heating value	Nominal heat content
2.300	MMBtu/hr	Capacity	scf/hr x Btu/scf / 1,000,000
8,760	hr/yr	Annual operating time	Harvest Four Corners, LLC
20,144	MMBtu/yr	Annual fuel consumption	MMBtu/hr x hr/yr
22.38	MMscf/yr	Annual fuel consumption	scf/hr x hr/yr / 1,000,000

Steady-State Emission Rates

Pollutants	Emission Factors, lb/MMscf	Uncontrolled Emission Rates, pph	tpy
NOX	100.00	2.56E-01	1.12E+00
CO	84.00	2.15E-01	9.40E-01
VOC	5.50	1.41E-02	6.15E-02
SO2	0.02	5.11E-05	2.24E-04
TSP	7.60	1.94E-02	8.51E-02
PM10	7.60	1.94E-02	8.51E-02
PM2.5	7.60	1.94E-02	8.51E-02

Emission factors taken from AP-42, Tables 1.4-1 and 1.4-2
Uncontrolled Emission Rates (pph) = lb/MMscf x (scf/hr / 1,000,000)
Uncontrolled Emission Rates (tpy) = Uncontrolled Emission Rates (pph) x hr/yr / 2,000 lb/ton

Exhaust Parameters

600	°F	Exhaust temperature	Engineering Judgement
1,123.9	cfm	Stack flowrate	fps x ft^2 x 60 sec/min
1.50	ft	Stack diameter	Mfg. data (InFab)
1.77	ft^2	Stack exit area	3.1416 x ((ft / 2) ^2)
10.6	fps	Stack velocity	Mfg. data (Dickson & Tryer)
25.0	ft	Stack height	Mfg. data (Dickson & Tryer)

Dehydrator Reboiler Exhaust Emissions Calculations

Unit Number: 21b, 21c
Description: Dehydrator Reboiler (120 mmscfd)

Note: The data on this worksheet applies to each individual emissions unit identified above.

Fuel Consumption

4,355	scf/hr	Hourly fuel consumption	Mfg. data (Enertek)
900	Btu/scf	Field gas heating value	Nominal heat content
3.920	MMBtu/hr	Capacity	scf/hr x Btu/scf / 1,000,000
8,760	hr/yr	Annual operating time	Harvest Four Corners, LLC
34,335	MMBtu/yr	Annual fuel consumption	MMBtu/hr x hr/yr
38.15	MMscf/yr	Annual fuel consumption	scf/hr x hr/yr / 1,000,000

Steady-State Emission Rates

Pollutants	Emission Factors, lb/MMscf	Uncontrolled Emission Rates, pph	tpy
NOX	100.00	4.36E-01	1.91E+00
CO	84.00	3.66E-01	1.60E+00
VOC	5.50	2.40E-02	1.05E-01
SO2	0.02	8.71E-05	3.81E-04
TSP	7.60	3.31E-02	1.45E-01
PM10	7.60	3.31E-02	1.45E-01
PM2.5	7.60	3.31E-02	1.45E-01

Emission factors taken from AP-42, Tables 1.4-1 and 1.4-2
Uncontrolled Emission Rates (pph) = lb/MMscf x (scf/hr / 1,000,000)
Uncontrolled Emission Rates (tpy) = Uncontrolled Emission Rates (pph) x hr/yr / 2,000 lb/ton

Exhaust Parameters

600	°F	Exhaust temperature	Engineering Judgement
1,346.6	cfm	Stack flowrate	fps x ft^2 x 60 sec/min
1.50	ft	Stack diameter	Mfg. data (InFab)
1.77	ft^2	Stack exit area	3.1416 x ((ft / 2) ^2)
12.7	fps	Stack velocity	Mfg. data (Dickson & Tryer)
25.0	ft	Stack height	Mfg. data (Dickson & Tryer)

External Combustion Devices

Unit Number: BLR 20B&C
Hours of Operation: 8,760 Yearly
Heat Input: 2.30 MMBtu/hr
Fuel Type: NATURAL GAS
Device Type: BOILER
Emission Factor Set: FIELD > EPA > LITERATURE
Additional EF Set: -NONE-

Calculated Emissions

Chemical Name	Emissions (ton/yr)	Emission Factor	EF Set
HAPs			
3-Methylchloranthrene	0.0000	0.0000000018 lb/mmbtu	EPA
7,12-Dimethylbenz(a)anthr	0.0000	0.0000000157 lb/mmbtu	EPA
Formaldehyde	0.0035	0.0003522500 lb/mmbtu	GRI Field
Methanol	0.0044	0.0004333330 lb/mmbtu	GRI Field
Acetaldehyde	0.0029	0.0002909000 lb/mmbtu	GRI Field
1,3-Butadiene	0.0000	0.0000001830 lb/mmbtu	GRI Field
Benzene	0.0001	0.0000062550 lb/mmbtu	GRI Field
Toluene	0.0001	0.0000053870 lb/mmbtu	GRI Field
Ethylbenzene	0.0000	0.0000000720 lb/mmbtu	GRI Field
Xylenes(m,p,o)	0.0000	0.0000010610 lb/mmbtu	GRI Field
2,2,4-Trimethylpentane	0.0003	0.0000323000 lb/mmbtu	GRI Field
n-Hexane	0.0032	0.0003214790 lb/mmbtu	GRI Field
Phenol	0.0000	0.0000000950 lb/mmbtu	GRI Field
Naphthalene	0.0000	0.0000002950 lb/mmbtu	GRI Field
2-Methylnaphthalene	0.0000	0.0000000700 lb/mmbtu	GRI Field
Acenaphthylene	0.0000	0.0000000550 lb/mmbtu	GRI Field
Biphenyl	0.0000	0.0000011500 lb/mmbtu	GRI Field
Acenaphthene	0.0000	0.0000000800 lb/mmbtu	GRI Field
Fluorene	0.0000	0.0000000700 lb/mmbtu	GRI Field
Anthracene	0.0000	0.0000000750 lb/mmbtu	GRI Field
Phenanthrene	0.0000	0.0000000550 lb/mmbtu	GRI Field
Fluoranthene	0.0000	0.0000000800 lb/mmbtu	GRI Field
Pyrene	0.0000	0.0000000750 lb/mmbtu	GRI Field
Benz(a)anthracene	0.0000	0.0000000750 lb/mmbtu	GRI Field
Chrysene	0.0000	0.0000001000 lb/mmbtu	GRI Field
Benzo(a)pyrene	0.0000	0.0000000600 lb/mmbtu	GRI Field
Benzo(b)fluoranthene	0.0000	0.0000001350 lb/mmbtu	GRI Field
Benzo(k)fluoranthene	0.0000	0.0000004400 lb/mmbtu	GRI Field
Benzo(g,h,i)perylene	0.0000	0.0000001500 lb/mmbtu	GRI Field
Indeno(1,2,3-c,d)pyrene	0.0000	0.0000001000 lb/mmbtu	GRI Field
Dibenz(a,h)anthracene	0.0000	0.0000000950 lb/mmbtu	GRI Field
Lead	0.0000	0.0000004902 lb/mmbtu	EPA
Total HAPs:	0.0146		
Criteria Pollutants			
VOC	0.0543	0.0053921569 lb/mmbtu	EPA

PM	0.0751	0.0074509804 lb/mmbtu	EPA
PM, Condensible	0.0563	0.0055882353 lb/mmbtu	EPA
PM, Filterable	0.0188	0.0018627451 lb/mmbtu	EPA
CO	0.3095	0.0307275000 lb/mmbtu	GRI Field
NMHC	0.0859	0.0085294118 lb/mmbtu	EPA
NOx	0.8891	0.0882553330 lb/mmbtu	GRI Field
SO2	0.0059	0.0005880000 lb/mmbtu	EPA
Other Pollutants			
Dichlorobenzene	0.0000	0.0000011765 lb/mmbtu	EPA
Methane	0.0592	0.0058790650 lb/mmbtu	GRI Field
Acetylene	0.0537	0.0053314000 lb/mmbtu	GRI Field
Ethylene	0.0053	0.0005264000 lb/mmbtu	GRI Field
Ethane	0.0169	0.0016804650 lb/mmbtu	GRI Field
Propylene	0.0094	0.0009333330 lb/mmbtu	GRI Field
Propane	0.0121	0.0012019050 lb/mmbtu	GRI Field
Butane	0.0140	0.0013866350 lb/mmbtu	GRI Field
Cyclopentane	0.0004	0.0000405000 lb/mmbtu	GRI Field
Pentane	0.0208	0.0020656400 lb/mmbtu	GRI Field
n-Pentane	0.0201	0.0020000000 lb/mmbtu	GRI Field
Cyclohexane	0.0005	0.0000451000 lb/mmbtu	GRI Field
Methylcyclohexane	0.0017	0.0001691000 lb/mmbtu	GRI Field
n-Octane	0.0005	0.0000506000 lb/mmbtu	GRI Field
n-Nonane	0.0001	0.0000050000 lb/mmbtu	GRI Field
CO2	1,185.1765	117.6470588235 lb/mmbtu	EPA

Unit Number: BLR 21B&C
Hours of Operation: 8,760 Yearly
Heat Input: 3.92 MMBtu/hr
Fuel Type: NATURAL GAS
Device Type: BOILER
Emission Factor Set: FIELD > EPA > LITERATURE
Additional EF Set: -NONE-

Calculated Emissions

Chemical Name	Emissions (ton/yr)	Emission Factor	EF Set
HAPs			
3-Methylchloranthrene	0.0000	0.0000000018 lb/mmbtu	EPA
7,12-Dimethylbenz(a)anthr	0.0000	0.0000000157 lb/mmbtu	EPA
Formaldehyde	0.0060	0.0003522500 lb/mmbtu	GRI Field
Methanol	0.0074	0.0004333330 lb/mmbtu	GRI Field
Acetaldehyde	0.0050	0.0002909000 lb/mmbtu	GRI Field
1,3-Butadiene	0.0000	0.0000001830 lb/mmbtu	GRI Field
Benzene	0.0001	0.0000062550 lb/mmbtu	GRI Field
Toluene	0.0001	0.0000053870 lb/mmbtu	GRI Field
Ethylbenzene	0.0000	0.0000000720 lb/mmbtu	GRI Field
Xylenes(m,p,o)	0.0000	0.0000010610 lb/mmbtu	GRI Field
2,2,4-Trimethylpentane	0.0006	0.0000323000 lb/mmbtu	GRI Field
n-Hexane	0.0055	0.0003214790 lb/mmbtu	GRI Field
Phenol	0.0000	0.0000000950 lb/mmbtu	GRI Field

Naphthalene	0.0000	0.0000002950	lb/mmbtu	GRI Field
2-Methylnaphthalene	0.0000	0.0000000700	lb/mmbtu	GRI Field
Acenaphthylene	0.0000	0.0000000550	lb/mmbtu	GRI Field
Biphenyl	0.0000	0.0000011500	lb/mmbtu	GRI Field
Acenaphthene	0.0000	0.0000000800	lb/mmbtu	GRI Field
Fluorene	0.0000	0.0000000700	lb/mmbtu	GRI Field
Anthracene	0.0000	0.0000000750	lb/mmbtu	GRI Field
Phenanthrene	0.0000	0.0000000550	lb/mmbtu	GRI Field
Fluoranthene	0.0000	0.0000000800	lb/mmbtu	GRI Field
Pyrene	0.0000	0.0000000750	lb/mmbtu	GRI Field
Benz(a)anthracene	0.0000	0.0000000750	lb/mmbtu	GRI Field
Chrysene	0.0000	0.0000001000	lb/mmbtu	GRI Field
Benzo(a)pyrene	0.0000	0.0000000600	lb/mmbtu	GRI Field
Benzo(b)fluoranthene	0.0000	0.0000001350	lb/mmbtu	GRI Field
Benzo(k)fluoranthene	0.0000	0.0000004400	lb/mmbtu	GRI Field
Benzo(g,h,i)perylene	0.0000	0.0000001500	lb/mmbtu	GRI Field
Indeno(1,2,3-c,d)pyrene	0.0000	0.0000001000	lb/mmbtu	GRI Field
Dibenz(a,h)anthracene	0.0000	0.0000000950	lb/mmbtu	GRI Field
Lead	0.0000	0.0000004902	lb/mmbtu	EPA
Total HAPs:	0.0248			

Criteria Pollutants

VOC	0.0926	0.0053921569	lb/mmbtu	EPA
PM	0.1279	0.0074509804	lb/mmbtu	EPA
PM, Condensible	0.0959	0.0055882353	lb/mmbtu	EPA
PM, Filterable	0.0320	0.0018627451	lb/mmbtu	EPA
CO	0.5276	0.0307275000	lb/mmbtu	GRI Field
NMHC	0.1464	0.0085294118	lb/mmbtu	EPA
NOx	1.5153	0.0882553330	lb/mmbtu	GRI Field
SO2	0.0101	0.0005880000	lb/mmbtu	EPA

Other Pollutants

Dichlorobenzene	0.0000	0.0000011765	lb/mmbtu	EPA
Methane	0.1009	0.0058790650	lb/mmbtu	GRI Field
Acetylene	0.0915	0.0053314000	lb/mmbtu	GRI Field
Ethylene	0.0090	0.0005264000	lb/mmbtu	GRI Field
Ethane	0.0289	0.0016804650	lb/mmbtu	GRI Field
Propylene	0.0160	0.0009333330	lb/mmbtu	GRI Field
Propane	0.0206	0.0012019050	lb/mmbtu	GRI Field
Butane	0.0238	0.0013866350	lb/mmbtu	GRI Field
Cyclopentane	0.0007	0.0000405000	lb/mmbtu	GRI Field
Pentane	0.0355	0.0020656400	lb/mmbtu	GRI Field
n-Pentane	0.0343	0.0020000000	lb/mmbtu	GRI Field
Cyclohexane	0.0008	0.0000451000	lb/mmbtu	GRI Field
Methylcyclohexane	0.0029	0.0001691000	lb/mmbtu	GRI Field
n-Octane	0.0009	0.0000506000	lb/mmbtu	GRI Field
n-Nonane	0.0001	0.0000050000	lb/mmbtu	GRI Field
CO2	2,019.9529	117.6470588235	lb/mmbtu	EPA

GRI-GLYCalc VERSION 4.0 - SUMMARY OF INPUT VALUES

Case Name: 32-8#2 CDP New Dehydrator - 75 MMscfd
File Name: D:\Projects2\Harvest\32-8#2\Dehy Project\32-8#2 CDP - 75 MMscfd Dehy.ddf
Date: January 23, 2023

DESCRIPTION:

Description: 75 MMscfd: 70 oF, 500 psig
40.0 gpm Electric Glycol Pump
Flash Tank: 80 oF, 50 psig, 100% Recycle
Condenser: 150 oF, 14.08 psia, 95% Control

Annual Hours of Operation: 8760.0 hours/yr

WET GAS:

Temperature: 70.00 deg. F
Pressure: 500.00 psig
Wet Gas Water Content: Saturated

Component	Conc. (vol %)
Carbon Dioxide	6.6529
Nitrogen	0.0666
Methane	92.3326
Ethane	0.7559
Propane	0.1383
Isobutane	0.0191
n-Butane	0.0237
Isopentane	0.0073
n-Pentane	0.0037

DRY GAS:

Flow Rate: 75.0 MMSCF/day
Water Content: 7.0 lbs. H2O/MMSCF

LEAN GLYCOL:

Glycol Type: TEG
Water Content: 1.5 wt% H2O
Flow Rate: 40.0 gpm

PUMP:

Glycol Pump Type: Electric/Pneumatic

FLASH TANK:

Flash Control: Recycle/recompression
Temperature: 80.0 deg. F
Pressure: 50.0 psig

REGENERATOR OVERHEADS CONTROL DEVICE:

Control Device: Condenser
Temperature: 150.0 deg. F
Pressure: 14.1 psia

Control Device: Combustion Device
Destruction Efficiency: 95.0 %
Excess Oxygen: 5.0 %
Ambient Air Temperature: 52.0 deg. F

GRI-GLYCalc VERSION 4.0 - AGGREGATE CALCULATIONS REPORT

Case Name: 32-8#2 CDP New Dehydrator - 75 MMscfd
File Name: D:\Projects2\Harvest\32-8#2\Dehy Project\32-8#2 CDP - 75 MMscfd Dehy.ddf
Date: January 23, 2023

DESCRIPTION:

Description: 75 MMscfd: 70 oF, 500 psig
40.0 gpm Electric Glycol Pump
Flash Tank: 80 oF, 50 psig, 100% Recycle
Condenser: 150 oF, 14.08 psia, 95% Control

Annual Hours of Operation: 8760.0 hours/yr

EMISSIONS REPORTS:

CONTROLLED REGENERATOR EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	0.1777	4.266	0.7785
Ethane	0.0358	0.860	0.1569
Propane	0.0317	0.761	0.1389
Isobutane	0.0117	0.281	0.0513
n-Butane	0.0221	0.532	0.0970
Isopentane	0.0103	0.247	0.0451
n-Pentane	0.0074	0.177	0.0323
Total Emissions	0.2968	7.123	1.2999
Total Hydrocarbon Emissions	0.2968	7.123	1.2999
Total VOC Emissions	0.0832	1.997	0.3645

UNCONTROLLED REGENERATOR EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	3.5549	85.317	15.5704
Ethane	0.7163	17.191	3.1374
Propane	0.6343	15.224	2.7783

Isobutane	0.2341	5.619	1.0255
n-Butane	0.4430	10.632	1.9403
Isopentane	0.2057	4.938	0.9012
n-Pentane	0.1475	3.539	0.6458
Total Emissions	5.9358	142.460	25.9989
Total Hydrocarbon Emissions	5.9358	142.460	25.9989
Total VOC Emissions	1.6646	39.951	7.2910

FLASH GAS EMISSIONS

Note: Flash Gas Emissions are zero with the Recycle/recompression control option.

FLASH TANK OFF GAS

Component	lbs/hr	lbs/day	tons/yr
Methane	34.2486	821.966	150.0088
Ethane	1.5820	37.969	6.9293
Propane	0.5884	14.121	2.5771
Isobutane	0.1247	2.994	0.5463
n-Butane	0.1699	4.077	0.7440
Isopentane	0.0621	1.490	0.2720
n-Pentane	0.0337	0.810	0.1478
Total Emissions	36.8094	883.426	161.2253
Total Hydrocarbon Emissions	36.8094	883.426	161.2253
Total VOC Emissions	0.9788	23.491	4.2872

COMBINED REGENERATOR VENT/FLASH GAS EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	0.1777	4.266	0.7785
Ethane	0.0358	0.860	0.1569
Propane	0.0317	0.761	0.1389
Isobutane	0.0117	0.281	0.0513
n-Butane	0.0221	0.532	0.0970

Isopentane	0.0103	0.247	0.0451
n-Pentane	0.0074	0.177	0.0323
Total Emissions	0.2968	7.123	1.2999
Total Hydrocarbon Emissions	0.2968	7.123	1.2999
Total VOC Emissions	0.0832	1.997	0.3645

COMBINED REGENERATOR VENT/FLASH GAS EMISSION CONTROL REPORT:

Component	Uncontrolled tons/yr	Controlled tons/yr	% Reduction
Methane	165.5792	0.7785	99.53
Ethane	10.0668	0.1569	98.44
Propane	5.3554	0.1389	97.41
Isobutane	1.5718	0.0513	96.74
n-Butane	2.6843	0.0970	96.39
Isopentane	1.1731	0.0451	96.16
n-Pentane	0.7936	0.0323	95.93
Total Emissions	187.2242	1.2999	99.31
Total Hydrocarbon Emissions	187.2242	1.2999	99.31
Total VOC Emissions	11.5782	0.3645	96.85

EQUIPMENT REPORTS:

CONDENSER AND COMBUSTION DEVICE

Condenser Outlet Temperature:	150.00	deg. F
Condenser Pressure:	14.08	psia
Condenser Duty:	5.10e-002	MM BTU/hr
Produced Water:	7.20	bbls/day
Ambient Temperature:	52.00	deg. F
Excess Oxygen:	5.00	%
Combustion Efficiency:	95.00	%

Supplemental Fuel Requirement: 5.10e-002 MM BTU/hr

Component	Emitted	Destroyed
Methane	5.00%	95.00%
Ethane	5.00%	95.00%
Propane	5.00%	95.00%
Isobutane	5.00%	95.00%
n-Butane	5.00%	95.00%
Isopentane	5.00%	95.00%
n-Pentane	5.00%	95.00%

ABSORBER

NOTE: Because the Calculated Absorber Stages was below the minimum allowed, GRI-GLYCalc has set the number of Absorber Stages to 1.25 and has calculated a revised Dry Gas Dew Point.

Calculated Absorber Stages:	1.25	
Calculated Dry Gas Dew Point:	1.34	lbs. H2O/MMSCF
Temperature:	70.0	deg. F
Pressure:	500.0	psig
Dry Gas Flow Rate:	75.0000	MMSCF/day
Glycol Losses with Dry Gas:	0.0941	lb/hr
Wet Gas Water Content:	Saturated	
Calculated Wet Gas Water Content:	39.52	lbs. H2O/MMSCF
Calculated Lean Glycol Recirc. Ratio:	20.12	gal/lb H2O

Component	Remaining in Dry Gas	Absorbed in Glycol
Water	3.39%	96.61%
Carbon Dioxide	99.45%	0.55%
Nitrogen	99.97%	0.03%
Methane	99.97%	0.03%
Ethane	99.88%	0.12%
Propane	99.76%	0.24%
Isobutane	99.61%	0.39%
n-Butane	99.46%	0.54%
Isopentane	99.38%	0.62%
n-Pentane	99.18%	0.82%

FLASH TANK

Flash Control: Recycle/recompression
Flash Temperature: 80.0 deg. F
Flash Pressure: 50.0 psig

Component	Left in Glycol	Removed in Flash Gas
Water	100.00%	0.00%
Carbon Dioxide	64.27%	35.73%
Nitrogen	9.23%	90.77%
Methane	9.40%	90.60%
Ethane	31.17%	68.83%
Propane	51.88%	48.12%
Isobutane	65.24%	34.76%
n-Butane	72.28%	27.72%
Isopentane	76.93%	23.07%
n-Pentane	81.47%	18.53%

REGENERATOR

No Stripping Gas used in regenerator.

Component	Remaining in Glycol	Distilled Overhead
Water	73.87%	26.13%
Carbon Dioxide	0.00%	100.00%
Nitrogen	0.00%	100.00%
Methane	0.00%	100.00%
Ethane	0.00%	100.00%
Propane	0.00%	100.00%
Isobutane	0.00%	100.00%
n-Butane	0.00%	100.00%
Isopentane	0.65%	99.35%
n-Pentane	0.61%	99.39%

STREAM REPORTS:

WET GAS STREAM

Temperature: 70.00 deg. F
Pressure: 514.70 psia
Flow Rate: 3.13e+006 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	8.33e-002	1.24e+002
Carbon Dioxide	6.65e+000	2.41e+004
Nitrogen	6.65e-002	1.54e+002
Methane	9.23e+001	1.22e+005
Ethane	7.55e-001	1.87e+003
Propane	1.38e-001	5.03e+002
Isobutane	1.91e-002	9.15e+001
n-Butane	2.37e-002	1.14e+002
Isopentane	7.29e-003	4.34e+001
n-Pentane	3.70e-003	2.20e+001
Total Components	100.00	1.49e+005

DRY GAS STREAM

Temperature: 70.00 deg. F
Pressure: 514.70 psia
Flow Rate: 3.13e+006 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	2.83e-003	4.19e+000
Carbon Dioxide	6.62e+000	2.40e+004
Nitrogen	6.66e-002	1.54e+002
Methane	9.24e+001	1.22e+005
Ethane	7.55e-001	1.87e+003
Propane	1.38e-001	5.01e+002
Isobutane	1.90e-002	9.11e+001
n-Butane	2.36e-002	1.13e+002
Isopentane	7.26e-003	4.31e+001
n-Pentane	3.67e-003	2.18e+001
Total Components	100.00	1.49e+005

LEAN GLYCOL STREAM

Temperature: 70.00 deg. F
Flow Rate: 4.00e+001 gpm

Component	Conc. (wt%)	Loading (lb/hr)
TEG	9.85e+001	2.22e+004
Water	1.50e+000	3.38e+002
Carbon Dioxide	5.87e-011	1.32e-008
Nitrogen	2.25e-014	5.06e-012
Methane	5.64e-018	1.27e-015
Ethane	4.82e-009	1.08e-006
Propane	2.21e-010	4.98e-008
Isobutane	4.78e-011	1.08e-008
n-Butane	6.75e-011	1.52e-008
Isopentane	5.98e-006	1.35e-003
n-Pentane	4.04e-006	9.11e-004
Total Components	100.00	2.25e+004

RICH GLYCOL STREAM

Temperature: 70.00 deg. F
Pressure: 514.70 psia
Flow Rate: 4.06e+001 gpm
NOTE: Stream has more than one phase.

Component	Conc. (wt%)	Loading (lb/hr)
TEG	9.72e+001	2.22e+004
Water	2.00e+000	4.57e+002
Carbon Dioxide	5.79e-001	1.32e+002
Nitrogen	2.21e-004	5.05e-002
Methane	1.66e-001	3.78e+001
Ethane	1.01e-002	2.30e+000
Propane	5.36e-003	1.22e+000
Isobutane	1.57e-003	3.59e-001
n-Butane	2.69e-003	6.13e-001
Isopentane	1.18e-003	2.69e-001

n-Pentane	7.98e-004	1.82e-001
Total Components	100.00	2.28e+004

FLASH TANK OFF GAS STREAM

Temperature: 80.00 deg. F
Pressure: 64.70 psia
Flow Rate: 1.25e+003 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	3.41e-002	2.02e-002
Carbon Dioxide	3.27e+001	4.72e+001
Nitrogen	4.99e-002	4.59e-002
Methane	6.50e+001	3.42e+001
Ethane	1.60e+000	1.58e+000
Propane	4.06e-001	5.88e-001
Isobutane	6.54e-002	1.25e-001
n-Butane	8.90e-002	1.70e-001
Isopentane	2.62e-002	6.21e-002
n-Pentane	1.42e-002	3.37e-002
Total Components	100.00	8.41e+001

FLASH TANK GLYCOL STREAM

Temperature: 80.00 deg. F
Flow Rate: 4.04e+001 gpm

Component	Conc. (wt%)	Loading (lb/hr)
TEG	9.76e+001	2.22e+004
Water	2.01e+000	4.57e+002
Carbon Dioxide	3.74e-001	8.49e+001
Nitrogen	2.05e-005	4.66e-003
Methane	1.56e-002	3.55e+000
Ethane	3.15e-003	7.16e-001
Propane	2.79e-003	6.34e-001
Isobutane	1.03e-003	2.34e-001
n-Butane	1.95e-003	4.43e-001

Isopentane	9.11e-004	2.07e-001
n-Pentane	6.53e-004	1.48e-001
Total Components	100.00	2.27e+004

FLASH GAS EMISSIONS

Control Method: Recycle/recompression
Control Efficiency: 100.00

Note: Flash Gas Emissions are zero with the Recycle/recompression control option.

REGENERATOR OVERHEADS STREAM

Temperature: 212.00 deg. F
Pressure: 14.70 psia
Flow Rate: 3.35e+003 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	7.50e+001	1.19e+002
Carbon Dioxide	2.18e+001	8.49e+001
Nitrogen	1.88e-003	4.66e-003
Methane	2.51e+000	3.55e+000
Ethane	2.69e-001	7.16e-001
Propane	1.63e-001	6.34e-001
Isobutane	4.56e-002	2.34e-001
n-Butane	8.62e-002	4.43e-001
Isopentane	3.23e-002	2.06e-001
n-Pentane	2.31e-002	1.47e-001
Total Components	100.00	2.10e+002

CONDENSER PRODUCED WATER STREAM

Temperature: 150.00 deg. F
Flow Rate: 2.10e-001 gpm

Component	Conc. (wt%)	Loading (lb/hr)	(ppm)

Water	1.00e+002	1.05e+002	999584.
Carbon Dioxide	4.14e-002	4.35e-002	414.
Nitrogen	7.21e-008	7.58e-008	0.
Methane	9.91e-005	1.04e-004	1.
Ethane	2.16e-005	2.27e-005	0.
Propane	2.34e-005	2.46e-005	0.
Isobutane	4.56e-006	4.79e-006	0.
n-Butane	1.11e-005	1.16e-005	0.
Isopentane	3.48e-006	3.66e-006	0.
n-Pentane	2.64e-006	2.77e-006	0.
Total Components	100.00	1.05e+002	1000000.

CONDENSER RECOVERED OIL STREAM

Temperature: 150.00 deg. F

The calculated flow rate is less than 0.000001 #mol/hr.
The stream flow rate and composition are not reported.

CONDENSER VENT STREAM

Temperature: 150.00 deg. F
Pressure: 14.08 psia
Flow Rate: 1.14e+003 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	2.66e+001	1.44e+001
Carbon Dioxide	6.42e+001	8.49e+001
Nitrogen	5.54e-003	4.66e-003
Methane	7.38e+000	3.55e+000
Ethane	7.93e-001	7.16e-001
Propane	4.79e-001	6.34e-001
Isobutane	1.34e-001	2.34e-001
n-Butane	2.54e-001	4.43e-001
Isopentane	9.49e-002	2.06e-001
n-Pentane	6.80e-002	1.47e-001
Total Components	100.00	1.05e+002

COMBUSTION DEVICE OFF GAS STREAM

Temperature: 1000.00 deg. F
Pressure: 14.70 psia
Flow Rate: 5.24e+000 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Methane	8.02e+001	1.78e-001
Ethane	8.62e+000	3.58e-002
Propane	5.20e+000	3.17e-002
Isobutane	1.46e+000	1.17e-002
n-Butane	2.76e+000	2.21e-002
Isopentane	1.03e+000	1.03e-002
n-Pentane	7.39e-001	7.37e-003
Total Components	100.00	2.97e-001

GRI-GLYCalc VERSION 4.0 - SUMMARY OF INPUT VALUES

Case Name: 32-8#2 CDP New Dehydrator - 120 MMscfd
File Name: D:\Projects2\Harvest\32-8#2\Dehy Project\32-8#2 CDP - 120 MMscfd Dehy.ddf
Date: January 23, 2023

DESCRIPTION:

Description: 120 MMscfd: 70 oF, 500 psig
80.0 gpm Electric Glycol Pump
Flash Tank: 80 oF, 50 psig, 100% Recycle
Condenser: 150 oF, 14.08 psia, 95% Control

Annual Hours of Operation: 8760.0 hours/yr

WET GAS:

Temperature: 70.00 deg. F
Pressure: 500.00 psig
Wet Gas Water Content: Saturated

Component	Conc. (vol %)
Carbon Dioxide	6.6529
Nitrogen	0.0666
Methane	92.3326
Ethane	0.7559
Propane	0.1383
Isobutane	0.0191
n-Butane	0.0237
Isopentane	0.0073
n-Pentane	0.0037

DRY GAS:

Flow Rate: 120.0 MMSCF/day
Water Content: 7.0 lbs. H2O/MMSCF

LEAN GLYCOL:

Glycol Type: TEG
Water Content: 1.5 wt% H2O
Flow Rate: 80.0 gpm

PUMP:

Glycol Pump Type: Electric/Pneumatic

FLASH TANK:

Flash Control: Recycle/recompression
Temperature: 80.0 deg. F
Pressure: 50.0 psig

REGENERATOR OVERHEADS CONTROL DEVICE:

Control Device: Condenser
Temperature: 150.0 deg. F
Pressure: 14.1 psia

Control Device: Combustion Device
Destruction Efficiency: 95.0 %
Excess Oxygen: 5.0 %
Ambient Air Temperature: 52.0 deg. F

GRI-GLYCalc VERSION 4.0 - AGGREGATE CALCULATIONS REPORT

Case Name: 32-8#2 CDP New Dehydrator - 120 MMscfd
File Name: D:\Projects2\Harvest\32-8#2\Dehy Project\32-8#2 CDP - 120 MMscfd Dehy.ddf
Date: January 23, 2023

DESCRIPTION:

Description: 120 MMscfd: 70 oF, 500 psig
80.0 gpm Electric Glycol Pump
Flash Tank: 80 oF, 50 psig, 100% Recycle
Condenser: 150 oF, 14.08 psia, 95% Control

Annual Hours of Operation: 8760.0 hours/yr

EMISSIONS REPORTS:

CONTROLLED REGENERATOR EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	0.3563	8.551	1.5605
Ethane	0.0720	1.727	0.3152
Propane	0.0634	1.522	0.2778
Isobutane	0.0234	0.562	0.1026
n-Butane	0.0443	1.064	0.1941
Isopentane	0.0206	0.494	0.0902
n-Pentane	0.0148	0.354	0.0646
Total Emissions	0.5948	14.274	2.6051
Total Hydrocarbon Emissions	0.5948	14.274	2.6051
Total VOC Emissions	0.1665	3.996	0.7293

UNCONTROLLED REGENERATOR EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	7.1257	171.017	31.2106
Ethane	1.4394	34.545	6.3044

Propane	1.2687	30.448	5.5567
Isobutane	0.4685	11.245	2.0522
n-Butane	0.8863	21.272	3.8821
Isopentane	0.4118	9.884	1.8037
n-Pentane	0.2951	7.081	1.2924
Total Emissions	11.8955	285.492	52.1022
Total Hydrocarbon Emissions	11.8955	285.492	52.1022
Total VOC Emissions	3.3304	79.930	14.5872

FLASH GAS EMISSIONS

Note: Flash Gas Emissions are zero with the Recycle/recompression control option.

FLASH TANK OFF GAS

Component	lbs/hr	lbs/day	tons/yr
Methane	68.5956	1646.294	300.4487
Ethane	3.1675	76.019	13.8735
Propane	1.1771	28.251	5.1559
Isobutane	0.2495	5.987	1.0927
n-Butane	0.3397	8.152	1.4878
Isopentane	0.1241	2.979	0.5437
n-Pentane	0.0674	1.618	0.2953
Total Emissions	73.7209	1769.302	322.8977
Total Hydrocarbon Emissions	73.7209	1769.302	322.8977
Total VOC Emissions	1.9579	46.989	8.5754

COMBINED REGENERATOR VENT/FLASH GAS EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	0.3563	8.551	1.5605
Ethane	0.0720	1.727	0.3152
Propane	0.0634	1.522	0.2778
Isobutane	0.0234	0.562	0.1026

n-Butane	0.0443	1.064	0.1941
Isopentane	0.0206	0.494	0.0902
n-Pentane	0.0148	0.354	0.0646
Total Emissions	0.5948	14.274	2.6051
Total Hydrocarbon Emissions	0.5948	14.274	2.6051
Total VOC Emissions	0.1665	3.996	0.7293

COMBINED REGENERATOR VENT/FLASH GAS EMISSION CONTROL REPORT:

Component	Uncontrolled tons/yr	Controlled tons/yr	% Reduction
Methane	331.6593	1.5605	99.53
Ethane	20.1780	0.3152	98.44
Propane	10.7126	0.2778	97.41
Isobutane	3.1449	0.1026	96.74
n-Butane	5.3699	0.1941	96.39
Isopentane	2.3475	0.0902	96.16
n-Pentane	1.5877	0.0646	95.93
Total Emissions	374.9999	2.6051	99.31
Total Hydrocarbon Emissions	374.9999	2.6051	99.31
Total VOC Emissions	23.1626	0.7293	96.85

EQUIPMENT REPORTS:

CONDENSER AND COMBUSTION DEVICE

Condenser Outlet Temperature:	150.00 deg. F
Condenser Pressure:	14.08 psia
Condenser Duty:	1.02e-001 MM BTU/hr
Produced Water:	11.14 bbls/day
Ambient Temperature:	52.00 deg. F
Excess Oxygen:	5.00 %

Combustion Efficiency: 95.00 %
Supplemental Fuel Requirement: 1.02e-001 MM BTU/hr

Component	Emitted	Destroyed
Methane	5.00%	95.00%
Ethane	5.00%	95.00%
Propane	5.00%	95.00%
Isobutane	5.00%	95.00%
n-Butane	5.00%	95.00%
Isopentane	5.00%	95.00%
n-Pentane	5.00%	95.00%

ABSORBER

NOTE: Because the Calculated Absorber Stages was below the minimum allowed, GRI-GLYCalc has set the number of Absorber Stages to 1.25 and has calculated a revised Dry Gas Dew Point.

Calculated Absorber Stages:	1.25
Calculated Dry Gas Dew Point:	1.31 lbs. H2O/MMSCF
Temperature:	70.0 deg. F
Pressure:	500.0 psig
Dry Gas Flow Rate:	120.0000 MMSCF/day
Glycol Losses with Dry Gas:	0.1506 lb/hr
Wet Gas Water Content:	Saturated
Calculated Wet Gas Water Content:	39.52 lbs. H2O/MMSCF
Calculated Lean Glycol Recirc. Ratio:	25.11 gal/lb H2O

Component	Remaining in Dry Gas	Absorbed in Glycol
Water	3.30%	96.70%
Carbon Dioxide	99.32%	0.68%
Nitrogen	99.96%	0.04%
Methane	99.96%	0.04%
Ethane	99.85%	0.15%
Propane	99.70%	0.30%
Isobutane	99.51%	0.49%
n-Butane	99.33%	0.67%
Isopentane	99.23%	0.77%
n-Pentane	98.97%	1.03%

FLASH TANK

Flash Control: Recycle/recompression
Flash Temperature: 80.0 deg. F
Flash Pressure: 50.0 psig

Component	Left in Glycol	Removed in Flash Gas
Water	100.00%	0.00%
Carbon Dioxide	64.28%	35.72%
Nitrogen	9.24%	90.76%
Methane	9.41%	90.59%
Ethane	31.24%	68.76%
Propane	51.87%	48.13%
Isobutane	65.26%	34.74%
n-Butane	72.29%	27.71%
Isopentane	76.95%	23.05%
n-Pentane	81.49%	18.51%

REGENERATOR

No Stripping Gas used in regenerator.

Component	Remaining in Glycol	Distilled Overhead
Water	77.92%	22.08%
Carbon Dioxide	0.00%	100.00%
Nitrogen	0.00%	100.00%
Methane	0.00%	100.00%
Ethane	0.00%	100.00%
Propane	0.00%	100.00%
Isobutane	0.00%	100.00%
n-Butane	0.00%	100.00%
Isopentane	0.65%	99.35%
n-Pentane	0.61%	99.39%

STREAM REPORTS:

WET GAS STREAM

Temperature: 70.00 deg. F
Pressure: 514.70 psia
Flow Rate: 5.01e+006 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	8.33e-002	1.98e+002
Carbon Dioxide	6.65e+000	3.86e+004
Nitrogen	6.65e-002	2.46e+002
Methane	9.23e+001	1.95e+005
Ethane	7.55e-001	3.00e+003
Propane	1.38e-001	8.04e+002
Isobutane	1.91e-002	1.46e+002
n-Butane	2.37e-002	1.82e+002
Isopentane	7.29e-003	6.95e+001
n-Pentane	3.70e-003	3.52e+001
Total Components	100.00	2.39e+005

DRY GAS STREAM

Temperature: 70.00 deg. F
Pressure: 514.70 psia
Flow Rate: 5.00e+006 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	2.76e-003	6.54e+000
Carbon Dioxide	6.61e+000	3.84e+004
Nitrogen	6.66e-002	2.46e+002
Methane	9.24e+001	1.95e+005
Ethane	7.55e-001	2.99e+003
Propane	1.38e-001	8.02e+002
Isobutane	1.90e-002	1.46e+002
n-Butane	2.36e-002	1.80e+002
Isopentane	7.25e-003	6.89e+001
n-Pentane	3.66e-003	3.48e+001

Total Components	100.00	2.38e+005

LEAN GLYCOL STREAM

Temperature: 70.00 deg. F
Flow Rate: 8.00e+001 gpm

Component	Conc. (wt%)	Loading (lb/hr)
TEG	9.85e+001	4.43e+004
Water	1.50e+000	6.75e+002
Carbon Dioxide	5.87e-011	2.64e-008
Nitrogen	2.25e-014	1.01e-011
Methane	5.65e-018	2.54e-015
Ethane	4.83e-009	2.17e-006
Propane	2.21e-010	9.95e-008
Isobutane	4.78e-011	2.15e-008
n-Butane	6.75e-011	3.04e-008
Isopentane	5.98e-006	2.69e-003
n-Pentane	4.05e-006	1.82e-003
Total Components	100.00	4.50e+004

RICH GLYCOL STREAM

Temperature: 70.00 deg. F
Pressure: 514.70 psia
Flow Rate: 8.11e+001 gpm
NOTE: Stream has more than one phase.

Component	Conc. (wt%)	Loading (lb/hr)
TEG	9.73e+001	4.43e+004
Water	1.90e+000	8.67e+002
Carbon Dioxide	5.80e-001	2.64e+002
Nitrogen	2.22e-004	1.01e-001
Methane	1.66e-001	7.57e+001
Ethane	1.01e-002	4.61e+000
Propane	5.37e-003	2.45e+000
Isobutane	1.58e-003	7.18e-001
n-Butane	2.69e-003	1.23e+000

Isopentane	1.18e-003	5.39e-001
n-Pentane	8.00e-004	3.64e-001
Total Components	100.00	4.56e+004

FLASH TANK OFF GAS STREAM

Temperature: 80.00 deg. F
Pressure: 64.70 psia
Flow Rate: 2.49e+003 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	3.23e-002	3.82e-002
Carbon Dioxide	3.26e+001	9.44e+001
Nitrogen	4.99e-002	9.19e-002
Methane	6.51e+001	6.86e+001
Ethane	1.60e+000	3.17e+000
Propane	4.06e-001	1.18e+000
Isobutane	6.53e-002	2.49e-001
n-Butane	8.89e-002	3.40e-001
Isopentane	2.62e-002	1.24e-001
n-Pentane	1.42e-002	6.74e-002
Total Components	100.00	1.68e+002

FLASH TANK GLYCOL STREAM

Temperature: 80.00 deg. F
Flow Rate: 8.07e+001 gpm

Component	Conc. (wt%)	Loading (lb/hr)
TEG	9.77e+001	4.43e+004
Water	1.91e+000	8.67e+002
Carbon Dioxide	3.74e-001	1.70e+002
Nitrogen	2.06e-005	9.36e-003
Methane	1.57e-002	7.13e+000
Ethane	3.17e-003	1.44e+000
Propane	2.79e-003	1.27e+000
Isobutane	1.03e-003	4.69e-001

n-Butane	1.95e-003	8.86e-001
Isopentane	9.13e-004	4.15e-001
n-Pentane	6.54e-004	2.97e-001
Total Components	100.00	4.54e+004

FLASH GAS EMISSIONS

Control Method: Recycle/recompression
Control Efficiency: 100.00

Note: Flash Gas Emissions are zero with the Recycle/recompression control option.

REGENERATOR OVERHEADS STREAM

Temperature: 212.00 deg. F
Pressure: 14.70 psia
Flow Rate: 5.71e+003 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	7.06e+001	1.91e+002
Carbon Dioxide	2.57e+001	1.70e+002
Nitrogen	2.22e-003	9.36e-003
Methane	2.95e+000	7.13e+000
Ethane	3.18e-001	1.44e+000
Propane	1.91e-001	1.27e+000
Isobutane	5.36e-002	4.69e-001
n-Butane	1.01e-001	8.86e-001
Isopentane	3.80e-002	4.12e-001
n-Pentane	2.72e-002	2.95e-001
Total Components	100.00	3.73e+002

CONDENSER PRODUCED WATER STREAM

Temperature: 150.00 deg. F
Flow Rate: 3.25e-001 gpm

Component	Conc.	Loading

	(wt%)	(lb/hr)	(ppm)
Water	1.00e+002	1.63e+002	999584.
Carbon Dioxide	4.14e-002	6.73e-002	414.
Nitrogen	7.24e-008	1.18e-007	0.
Methane	9.93e-005	1.61e-004	1.
Ethane	2.17e-005	3.52e-005	0.
Propane	2.34e-005	3.80e-005	0.
Isobutane	4.56e-006	7.42e-006	0.
n-Butane	1.11e-005	1.80e-005	0.
Isopentane	3.48e-006	5.66e-006	0.
n-Pentane	2.64e-006	4.29e-006	0.
Total Components	100.00	1.63e+002	1000000.

CONDENSER RECOVERED OIL STREAM

Temperature: 150.00 deg. F

The calculated flow rate is less than 0.000001 #mol/hr.
The stream flow rate and composition are not reported.

CONDENSER VENT STREAM

Temperature: 150.00 deg. F
Pressure: 14.08 psia
Flow Rate: 2.28e+003 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Water	2.66e+001	2.88e+001
Carbon Dioxide	6.42e+001	1.70e+002
Nitrogen	5.56e-003	9.36e-003
Methane	7.39e+000	7.13e+000
Ethane	7.96e-001	1.44e+000
Propane	4.78e-001	1.27e+000
Isobutane	1.34e-001	4.69e-001
n-Butane	2.54e-001	8.86e-001
Isopentane	9.49e-002	4.12e-001
n-Pentane	6.80e-002	2.95e-001
Total Components	100.00	2.11e+002

COMBUSTION DEVICE OFF GAS STREAM

Temperature: 1000.00 deg. F
Pressure: 14.70 psia
Flow Rate: 1.05e+001 scfh

Component	Conc. (vol%)	Loading (lb/hr)
Methane	8.02e+001	3.56e-001
Ethane	8.64e+000	7.20e-002
Propane	5.19e+000	6.34e-002
Isobutane	1.46e+000	2.34e-002
n-Butane	2.75e+000	4.43e-002
Isopentane	1.03e+000	2.06e-002
n-Pentane	7.38e-001	1.48e-002
Total Components	100.00	5.95e-001

TANKS 4.0.9d
Emissions Report - Summary Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	Harvest - 32-8#2 CDP 400 bbl Produced Water Tank
City:	Bloomfield
State:	New Mexico
Company:	Harvest Midstream
Type of Tank:	Vertical Fixed Roof Tank
Description:	400 bbl each, 25,000 bbl/year 99% Water 1% Gasoline (RVP 12)

Tank Dimensions

Shell Height (ft):	20.00
Diameter (ft):	12.00
Liquid Height (ft) :	19.00
Avg. Liquid Height (ft):	10.00
Volume (gallons):	16,800.00
Turnovers:	62.50
Net Throughput(gal/yr):	1,050,000.00
Is Tank Heated (y/n):	N

Paint Characteristics

Shell Color/Shade:	Gray/Medium
Shell Condition	Good
Roof Color/Shade:	Gray/Medium
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	0.00
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	-0.03
Pressure Settings (psig)	0.03

Meterological Data used in Emissions Calculations: Ignacio, Colorado (Avg Atmospheric Pressure = 11.51 psia)

TANKS 4.0.9d
Emissions Report - Summary Format
Liquid Contents of Storage Tank

Harvest - 32-8#2 CDP 400 bbl Produced Water Tank - Vertical Fixed Roof Tank
Bloomfield, New Mexico

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Produced Water	All	55.95	42.15	69.75	48.88	0.2352	0.1421	0.3744	20.2697			18.15	
Gasoline (RVP 12)						5.8827	4.4809	7.6142	64.0000	0.0100	0.1558	92.00	Option 4: RVP=12, ASTM Slope=3
Water						0.2240	0.1335	0.3601	18.0000	0.9900	0.8442	18.00	Option 1: VP50 = .178073 VP60 = .255246

TANKS 4.0.9d
Emissions Report - Summary Format
Individual Tank Emission Totals

Emissions Report for: Annual

Harvest - 32-8#2 CDP 400 bbl Produced Water Tank - Vertical Fixed Roof Tank
Bloomfield, New Mexico

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Produced Water	77.06	39.12	116.18
Water	65.06	33.03	98.08
Gasoline (RVP 12)	12.01	6.09	18.10

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Section 6.a

Green House Gas Emissions

(Submitting under 20.2.70, 20.2.72 20.2.74 NMAC)

Title V (20.2.70 NMAC), Minor NSR (20.2.72 NMAC), and PSD (20.2.74 NMAC) applicants must estimate and report greenhouse gas (GHG) emissions to verify the emission rates reported in the public notice, determine applicability to 40 CFR 60 Subparts, and to evaluate Prevention of Significant Deterioration (PSD) applicability. GHG emissions that are subject to air permit regulations consist of the sum of an aggregate group of these six greenhouse gases: carbon dioxide (CO_2), nitrous oxide (N_2O), methane (CH_4), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).

Calculating GHG Emissions:

1. Calculate the ton per year (tpy) GHG mass emissions and GHG CO_2e emissions from your facility.
2. GHG mass emissions are the sum of the total annual tons of greenhouse gases without adjusting with the global warming potentials (GWPs). GHG CO_2e emissions are the sum of the mass emissions of each individual GHG multiplied by its GWP found in Table A-1 in 40 CFR 98 Mandatory Greenhouse Gas Reporting.
3. Emissions from routine or predictable start up, shut down, and maintenance must be included.
4. Report GHG mass and GHG CO_2e emissions in Table 2-P of this application. Emissions are reported in **short** tons per year and represent each emission unit's Potential to Emit (PTE).
5. All Title V major sources, PSD major sources, and all power plants, whether major or not, must calculate and report GHG mass and CO2e emissions for each unit in Table 2-P.
6. For minor source facilities that are not power plants, are not Title V, and are not PSD there are three options for reporting GHGs in Table 2-P: 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHGs as a second separate unit; 3) or check the following ☐ By checking this box, the applicant acknowledges the total CO2e emissions are less than 75,000 tons per year.

Sources for Calculating GHG Emissions:

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

Global Warming Potentials (GWP):
Applicants must use the Global Warming Potentials codified in Table A-1 of the most recent version of 40 CFR 98 Mandatory Greenhouse Gas Reporting. The GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to that of one unit mass of CO_2 over a specified time period.

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

Metric to Short Ton Conversion:
Short tons for GHGs and other regulated pollutants are the standard unit of measure for PSD and title V permitting programs. 40 CFR 98 Mandatory Greenhouse Reporting requires metric tons.
1 metric ton = 1.10231 short tons (per Table A-2 to Subpart A of Part 98 – Units of Measure Conversions)

CO_2, CH_4, and N_2O exhaust emissions were calculated using emission factors from 40 Code of Federal Regulations (CFR), Part C, Tables C-1 & C-2 and the combustion source higher heating value (HHV) design heat rates.

The SSM and malfunction CO_2 and CH_4 emissions from blowdown events were calculated from the annual blowdown volumes and gas composition.

The reciprocating compressor CO_2 and CH_4 emissions were calculated using a combination of equations W-26 & W-36 (from Subpart W).

Dehydrator CO2 and CH4 emissions were calculated using GRI-GLYCalc.

CO2 and CH4 equipment leaks emissions were calculated using the TOC emission factors and gas stream composition.

Green House Gas Emissions Data and Calculations

Dehydrator Emissions

Unit Numbers	Description	Emission Rates	
		CO2, tpy	CH4, tpy
10a	Dehydrator (20 MMSCFD)	23.13	1.61
11a	Dehydrator (20 MMSCFD)	23.13	1.61
12a	Dehydrator (20 MMSCFD)	23.13	1.61
13a	Dehydrator (12 MMSCFD)	11.17	0.78
14a	Dehydrator (12 MMSCFD)	11.17	0.78
15a	Dehydrator (20 MMSCFD)	23.13	1.61
16a	Dehydrator (20 MMSCFD)	23.13	1.61
20a	Dehydrator (75 MMSCFD)	371.86	15.55
21a	Dehydrator (120 MMSCFD)	744.60	31.23
	Total	1,254.43	56.37

The emission rates are taken from the GRI-GLYCalc output file

Reboiler Exhaust Emissions

Unit Numbers	Description	Emission Factors			Emission Rates		
		CO2, kg/MMBtu	CH4, kg/MMBtu	N2O, kg/MMBtu	CO2, tpy	CH4, tpy	N2O, tpy
10b	Reboiler (20 MMSCFD)	53.06	1.00E-03	1.00E-04	842.60	1.59E-02	1.59E-03
11b	Reboiler (20 MMSCFD)	53.06	1.00E-03	1.00E-04	842.60	1.59E-02	1.59E-03
12b	Reboiler (20 MMSCFD)	53.06	1.00E-03	1.00E-04	842.60	1.59E-02	1.59E-03
13b	Reboiler (12 MMSCFD)	53.06	1.00E-03	1.00E-04	617.63	1.16E-02	1.16E-03
14b	Reboiler (12 MMSCFD)	53.06	1.00E-03	1.00E-04	617.63	1.16E-02	1.16E-03
15b	Reboiler (20 MMSCFD)	53.06	1.00E-03	1.00E-04	842.60	1.59E-02	1.59E-03
16b	Reboiler (20 MMSCFD)	53.06	1.00E-03	1.00E-04	842.60	1.59E-02	1.59E-03
20b	Reboiler (75 MMSCFD)	53.06	1.00E-03	1.00E-04	1,306.34	2.46E-02	2.46E-03
20c	Reboiler (75 MMSCFD)	53.06	1.00E-03	1.00E-04	1,306.34	2.46E-02	2.46E-03
21b	Reboiler (120 MMSCFD)	53.06	1.00E-03	1.00E-04	2,226.65	4.20E-02	4.20E-03
21c	Reboiler (120 MMSCFD)	53.06	1.00E-03	1.00E-04	2,226.65	4.20E-02	4.20E-03
	Total				12,514.24	2.36E-01	2.36E-02

The emissions factors are taken from 40 CFR 98, Subpart C, Tables C-1 & C-2
Emission Rates (tpy) = kg/MMBtu x 2.2 lb/kg x MMBtu/yr / 2,000 lb/ton

Unit Numbers	Description	Fuel Types	Operating Times hr/yr	LHV			HHV	
				Fuel Usages, scf/hr	Fuel Heat Contents, Btu/scf	Fuel Usages, MMBtu/hr	Fuel Usages, MMBtu/hr	Fuel Usages, MMBtu/yr
10b	Reboiler (20 MMSCFD)	Nat. Gas	8,760	1,648	900	1.48	1.65	14,436
11b	Reboiler (20 MMSCFD)	Nat. Gas	8,760	1,648	900	1.48	1.65	14,436
12b	Reboiler (20 MMSCFD)	Nat. Gas	8,760	1,648	900	1.48	1.65	14,436
13b	Reboiler (12 MMSCFD)	Nat. Gas	8,760	1,208	900	1.09	1.21	10,582
14b	Reboiler (12 MMSCFD)	Nat. Gas	8,760	1,208	900	1.09	1.21	10,582
15b	Reboiler (20 MMSCFD)	Nat. Gas	8,760	1,648	900	1.48	1.65	14,436
16b	Reboiler (20 MMSCFD)	Nat. Gas	8,760	1,648	900	1.48	1.65	14,436
20b	Reboiler (75 MMSCFD)	Nat. Gas	8,760	2,555	900	2.30	2.56	22,382
20c	Reboiler (75 MMSCFD)	Nat. Gas	8,760	2,555	900	2.30	2.56	22,382
21b	Reboiler (120 MMSCFD)	Nat. Gas	8,760	4,355	900	3.92	4.36	38,150
21c	Reboiler (120 MMSCFD)	Nat. Gas	8,760	4,355	900	3.92	4.36	38,150

The fuel types and operating times are provided by Harvest
The LHV fuel usages (scf/hr) are taken from manufacturer's data
The LHV fuel heat contents are estimated based on the value typically used by manufacturers
LHV Fuel Usages (MMBtu/hr) = LHV Fuel Usages (scf/hr) x Btu/scf / 1,000,000 Btu/MMBtu
HHV Fuel Usages (MMBtu/hr) = LHV Fuel Usages (MMBtu/hr) / 0.9 LHV/HHV
HHV Fuel Usages (MMBtu/yr) = HHV Fuel Usages (MMBtu/hr) x hr/yr

The conversion factors are taken from Subpart W, Paragraph 98.233(a)
The operating time is provided by Harvest (the default is the entire year)
The global warming potentials are taken from 40 CFR Part 98, Table A-1

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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.

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

Prepared For:
Brandon Pearson
Harvest Midstream

Date: September 16, 2022

APPLICATION INFORMATION

DRIVER

Make:	WAUKESHA
Model:	L7044GSI S5
Horsepower:	1,500
RPM:	1,200
Compression Ratio:	9.7
Exhaust Flow Rate:	6,429
Exhaust Temperature:	1,057
Fuel:	Fuel Analysis
Annual Operating Hours:	8,760

UNCONTROLLED EMISSIONS DATA

	g/bhp-hr	lb/hr	Tons/Year
NO_x:	11.67	38.59	169.03
CO:	8.94	29.56	129.49
THC:	0.60	1.98	8.69
NMHC:	0.02	0.06	0.25
NMNEHC:	0.01	0.04	0.16
HCHO:	0.05	0.17	0.72
Oxygen:	0.30%		

CATALYST ELEMENT

Model:	RT-2415-T
Catalyst Type:	NSCR, Standard Precious Metals Group
Substrate Type:	Brazed
Element Size:	Rectangle, 24 x 15 x 3.5
Element Quantity:	3

POST CATALYST EMISSIONS DATA

		g/bhp-hr	lb/hr	Tons/Year	
NO_x:	<	0.35	1.16	5.07	Use 0.5 g NOx/bhp-hr
CO	<	0.36	1.19	5.21	0.6 g CO/bhp-hr
VOC	<	0.01	0.03	0.14	0.6 g VOC/bhp-hr
HCHO	<	0.01	0.03	0.14	to meet ozone rule standards

Catalyst Temperature: 932 °F

****POST CATALYST EMISSIONS ARE ONLY GUARANTEED FOR CATALYST ELEMENTS SUPPLIED BY EMIT**

WARRANTY

EMIT Technologies,Inc. warrants that the goods supplied will be free from defects in workmanship by EMIT Technologies, Inc. for a period of one (1) year from date of shipment. EMIT Technologies, Inc. will not be responsible for any defects which result from improper use, neglect, failure to properly maintain or which are attributable to defects, errors or omissions in any drawings, specifications, plans or descriptions, whether written or oral, supplied to EMIT Technologies, Inc. by Buyer.

Catalyst performance using an EMIT Air/Fuel ratio controller is dependent upon properly defined set-points, variable with engine and fuel gas composition. Air/fuel ratio controller performance is guaranteed, but not limited, to fuel gas with an HHV content of 1400 BTU/SCF.

Catalyst performance will be guaranteed for a period of 2 years from installation, or 17,000 operating hours, whichever comes first. The catalyst shall be operated with an automatic air/fuel ratio controller. The performance guarantee shall not cover the effects of excessive ash masking due to operation at low load, improper engine maintenance, or inappropriate lubrication oil. The performance guarantee shall not cover the effects of continuous engine misfires (cylinder or ignition) exposing the catalyst to excessive exothermic reaction temperatures.

Unless otherwise stated the exhaust temperature operating range at the converter inlet is 600°F minimum for oxidation catalyst and 750°F for NSCR catalyst and 1250°F maximum.

If a high temperature shut down switch is not installed, thermal deactivation of catalyst at temperatures above 1300 °F is not covered.

The catalyst conversion efficiencies (% reduction) will be guaranteed for engine loads of 50 to 100 percent.

Engine lubrication oil shall contain less than 0.6% ash (by weight) with a maximum allowable specific oil consumption of 0.01 gal/bhp-hr. The maximum ash loading on the catalyst shall be limited to 350 g/m3. Phosphorous and zinc additives are limited to 0.03% (by weight).

The catalyst must not be exposed to the following known poisoning agents, including: iron, nickel, sodium, chromium, arsenic, zinc, lead, phosphorous, silicon, potassium, magnesium, copper, tin, and mercury. Total poison concentrations in the gas are limited to 0.3 ppm.

Shipment - Promised shipping dates are approximate and are not guaranteed and are from the point of manufacture. EMIT Technologies,Inc. will not be liable for any loss, damage or delay in manufacture or delivery resulting from any cause beyond its control including, but not limited to a period equal to the time lost by reason of that delay. All products will be crated as per best practice to prevent any damage during shipment. Unless otherwise specified, Buyer will pay for any special packing and shipping requirements. Acceptance of goods by common carrier constitutes delivery to Buyer. EMIT Technologies,Inc. shall not be responsible for goods damaged or lost in transit.

PAYMENT TERMS AND ADVANCE PAYMENT REQUIREMENT

Terms: Credit is extended to purchaser for net 30 time period. If payment is not received in the net 30 timeframe, interest on the unpaid balance will accrue at a rate of 1.5% per month from the invoice date.

Advance Payment Requirement: Proposals with a project value of $100,000 or greater, and 60 days or greater time to completion, will require an advance payment of 30% of the total value. The advance payment will be invoiced to the customer upon receipt of the customer's purchase order. Advance payment is due 30 days after the date of the invoice. If payment is not received in the net 30 timeframe, interest on the unpaid balance will accrue at teh rate of 1.5% per month from the invoice date. Failure to pay this invoice may delay completion of the project outlined in this proposal.

Order Cancellation Terms: Upon cancellation of an order once submittal of a Purchase Order has occurred, the customer will pay a 25% restocking fee for Catalyst Housings, Catalyst Elements, and Air/Fuel Ratio Controllers; 50% restocking fee for Cooler Top Solutions,Exhaust System Accessories, and other Custom Built Products; 100% of all associated shipping costs incurred by EMIT; 100% of all project expenses incurred by EMIT for Field Services.

WAUKESHA-PEARCE INDUSTRIES, INC. - HOUSTON, TEXAS

Houston, Texas (phone) 713-723-1050

QUOTE / PERFORMANCE WORKSHEET

CUSTOMER:	Hanover
REQUIRED EMISSIONS:	Unspecified
EQUIPMENT LOCATION:	New Mexico
ADDITIONAL COMMENTS:	Low Nox Settings
DATE:	03/17/04

SITE CONDITIONS

Engine Make / Model	Waukesha L 7042 GL	
Engine Horsepower	1,478	Maximum
Engine RPM	1,200	Maximum
Fuel Type	CQNG	or Analysis is Required
Engine Exhaust Temperature	709	°F (±50°F)
Engine Exhaust Flow	8,165	acfm
Converter Flange Size	Specify on Order	inches
Oxygen in Engine Exhaust	9.80	Percent

Engine Emissions	Manufacturers or Site Data		- TPY
NOx	0.90	g/BHP-Hr	13
CO	2.75	g/BHP-Hr	39
NMHC	1.00	g/BHP-Hr	14
CH2O	0.290	g/BHP-Hr	4
		Total	71

Post Converter Reduction	as %	Equals Approximately		TPY
NOx	0.0	0.90	g/BHP-Hr	13
CO	93.0	0.19	g/BHP-Hr	3
NMHC	79.0	0.21	g/BHP-Hr	3
CH2O	93.0	0.020	g/BHP-Hr	0
			Total	19

NOTE: All HC reductions are temperature dependent.
NOTE: Conversion rates are subject to ±3% performance factor.
NOTE: Converter Flange Sizes to be determined but will not effect prices.

QUOTED EQUIPMENT

Description	Model / Data	Net per System
WPI Powerhouse ® COMBO	672	$17,333
ADDITIONAL ITEMS:		
Thermocouples >4 - CC / AFR		
Power Supply or DC Required		
Thermocouple Wire (As Req)		
Safety Shutdown - (AFR)		
O2 Sensor Adaptor (>2)		
Crankcase Extractor System	WED Code 1100 Series	Required

TOTAL NUMBER OF UNITS: 1 TOTAL COST:

***** *SUBJECT TO THE ATTACHED PERFORMANCE / LIMITED WARRANTY STATEMENT* *****

Special Notes - Assumed Good Fuel / Manufacturer Published Engine Emissions

Prox Backpressure "w.c. 6 Calculated S.V. = 62,896 hr-1

Converter NOx PPMv =- 129 / CO PPMv =- 48 / NMHC PPMv =- 84

BY: REF:

The Power People ®

A Pearce Industries, Inc. Company

Waukesha-Pearce Industries, Inc. - Houston, Texas

EMISSIONS CALCULATION FORMULAS

DATE: 03/17/04

CUSTOMER: Hanover | MODEL: Waukesha L 7042 GL

ENGINE OR CONVERTER OUTPUT DATA							ASSUMED	CALC	CALC
PPM_v NO_x	PPM_v CO	EXH O2 %	FUEL BTU Ft^3 - HHV	FUEL USED Ft^3 - HR	Mfg BSFC LHV	APPROX ENG HP	EXH H_2O %	SCFH/HP	DSCFM @ H_2O %
128.6	48.1	9.8	1,015	11,525	7,155	1,478	10.0 ^	147	3,269

Oxygen Correction Factor [ ] % (if allowed)

Rich Burn Exhaust ~ H_2O % is: Fuel Rich=21 Stoke=19 Fuel Lean=17

Lean Burn Exhaust ~ H_2O % is 13% - 10% depending on AFR

DO NOT PUT DATA IN LBS/HR AREA =======>

EXHAUST FLOW - CALCULATION AREA			CALC	
EXH FLOW - ACFM OR	8,165	EITHER / OR	SCFM	
EXH FLOW - LBS/HR		NOT BOTH	3,632	0
EXH TEMP	709	° F		

IMPORTANT: SEE NOTE BELOW

Oxygen Content Indicates Lean Burn Engine - Enter Correct H2O % and Exhaust Flow Data Above

Based on Exhaust Flow

CARB 1-100 METHOD	
NO_x	CO
3.02 lbs/hr	0.69 lbs/hr
0.93 g/BHP-Hr	0.21 g/BHP-Hr
13.2 TPY	3.0 TPY

Based on Engine Heat Rate

TCEQ METHOD	
NO_x	CO
2.99 lbs/hr	0.68 lbs/hr
0.92 g/BHP-Hr	0.21 g/BHP-Hr
13.1 TPY	3.0 TPY

Based on Fuel Consumption

EPA Method 19	
NO_x	CO
2.95 lbs/hr	0.67 lbs/hr
0.90 g/BHP-Hr	0.21 g/BHP-Hr
12.9 TPY	2.9 TPY

Calculated Data	
NMHC	CH_2O
0.68 lbs/hr	0.07 lbs/hr
0.21 g/BHP-Hr	0.02 g/BHP-Hr
3.0 TPY	0.3 TPY

WPI Powerhouse ® COMBO 672 Oxidation Converter no AFR

Note: (1) TNRCC method returns g/BHP-Hr without requiring HP. CARB and EPA M-19 return lb/hr. Each Method is calculated separatel
(2) g/BHP-Hr = lb/hr / (HP x 0.002205). [0.002205 is reciprocal of 453.6 g/ll
(3) Calculate engine HP using software based on engine data inputs - i.e. intake manif pressure, RPM, CID, etc and confirm load via compressor or generator loading programs to support data
(4) Assumed heating value of fuel is 1,015 - typical CQNG - unless indicated otherwise abov

Note: Any one of the above three methods should return approximately the same values with similar / equal input value If the output data between the methods is not close, then the input data may be incorrec

Waukesha-Pearce Industries, Inc.

P.O. Box 35068 - 12320 S. Main - Houston, TX 77235-5068

Phone: 713-723-1050 - Fax: 713-551-0799 - Direct: 713-551-0330

LIMITED WARRANTY STATEMENT - OXIDATION CONVERTER

Waukesha-Pearce Industries, Inc. ("WPI") strictly for the period stated warrants, subject to all terms and conditions herein, that the WPI® Powerhouse ® Catalytic Converter furnished, when operated in accordance with the engine exhaust conditions stated below, will reduce CO & CH by 93.0 %, & NMHC by 79.0 %.

ENGINE EXHAUST CONDITIONS

* Maximum CO from engine will not exceed 2.8 g/BHP-Hr.
* Maximum CH2O from engine will not exceed 0.3 g/BHP-Hr.
* Temperature of exhaust into the catalyst will be 550°F minimum to 1250°F maximum.
* Engine will have oxygen content in the exhaust in excess of 4%.
* Combustibles content (i.e. unburned fuel) will not produce higher than 1350°F catalyst exit temperature.
* Pressure drop across catalyst will not change by more than 2"w.c. before cleaning. Such periodic cleaning of particulates is a normal service procedure and not a warranty issue.
* Engine operation will be stable and reproducible.
* Maximum lubrication oil consumption rate will be less than 0.0015 lb/BHP-H
* Lube oil sulfated ash content will not exceed 0.5%.
* Lube oil phosphorus will not exceed 10 ppm and zinc will not exceed 5 ppm in the exhaust stream.
* Customer will maintain a high temperature alarm/shutdown in the catalyst outlet set at a maximum of 1350°F.
* Fuel will not contain known catalyst deactivators such as lead, mercury, arsenic, antimony, zin copper, tin, iron, barium, nickel, chrome, and/or phosphorous.
* Chlorinated and Silicon containing compounds will not exceed 1 ppm in the exhaust stream.
* Sulfur compounds in the exhaust stream will not exceed 25 ppm.
* User must maintain and operate the engine in accordance with manufacturers' recommendations.

SPECIAL CONDITIONS: Air Fuel Ratio Controller Is NOT Required.

Special Reverse Flow Design - OXMR - for low exhaust temps.

Should the converter not perform as stated above and the equipment has been maintained per the above terms and conditions and the application is as listed below, WPI is obligated to eith repair or replace any part(s) or whole of the converter so that it will perform as stated. The term of original warranty is not extended by any such action. **UNDER NO CIRCUMSTANCES WILL WPI ASSUME ANY CONTINGENT LIABILITIES.**

Customer / Location: Hanover New Mexico

Engine Model: Waukesha L 7042 GL **Max HP:** 1,478 **RPM:** 1,200

Powerhouse ® # 672 COMBO **Calc S.V.=** 62,896 hr-1

Dated: 03/17/04

Warranty Term: One (1) Year of Service

_____

THE POWER PEOPLE ®

A PEARCE INDUSTRIES, INC. COMPANY

Table 1.4-1. EMISSION FACTORS FOR NITROGEN OXIDES (NO_x) AND CARBON MONOXIDE (CO) FROM NATURAL GAS COMBUSTION[a]

Combustor Type (MMBtu/hr Heat Input) [SCC]	NO_x[b]		CO	
	Emission Factor ($lb/10^6$ scf)	Emission Factor Rating	Emission Factor ($lb/10^6$ scf)	Emission Factor Rating
Large Wall-Fired Boilers (>100) [1-01-006-01, 1-02-006-01, 1-03-006-01]				
Uncontrolled (Pre-NSPS)[c]	280	A	84	B
Uncontrolled (Post-NSPS)[c]	190	A	84	B
Controlled - Low NO_x burners	140	A	84	B
Controlled - Flue gas recirculation	100	D	84	B
Small Boilers (<100) [1-01-006-02, 1-02-006-02, 1-03-006-02, 1-03-006-03]				
Uncontrolled	100	B	84	B
Controlled - Low NO_x burners	50	D	84	B
Controlled - Low NO_x burners/Flue gas recirculation	32	C	84	B
Tangential-Fired Boilers (All Sizes) [1-01-006-04]				
Uncontrolled	170	A	24	C
Controlled - Flue gas recirculation	76	D	98	D
Residential Furnaces (<0.3) [No SCC]				
Uncontrolled	94	B	40	B

[a] Reference 11. Units are in pounds of pollutant per million standard cubic feet of natural gas fired. To convert from $lb/10^6$ scf to $kg/10^6$ m^3, multiply by 16. Emission factors are based on an average natural gas higher heating value of 1,020 Btu/scf. To convert from $lb/10^6$ scf to lb/MMBtu, divide by 1,020. The emission factors in this table may be converted to other natural gas heating values by multiplying the given emission factor by the ratio of the specified heating value to this average heating value. SCC = Source Classification Code. ND = no data. NA = not applicable.

[b] Expressed as NO_2. For large and small wall fired boilers with SNCR control, apply a 24 percent reduction to the appropriate NO_X emission factor. For tangential-fired boilers with SNCR control, apply a 13 percent reduction to the appropriate NO_X emission factor.

[c] NSPS=New Source Performance Standard as defined in 40 CFR 60 Subparts D and Db. Post-NSPS units are boilers with greater than 250 MMBtu/hr of heat input that commenced construction modification, or reconstruction after August 17, 1971, and units with heat input capacities between 100 and 250 MMBtu/hr that commenced construction modification, or reconstruction after June 19, 1984.

TABLE 1.4-2. EMISSION FACTORS FOR CRITERIA POLLUTANTS AND GREENHOUSE GASES FROM NATURAL GAS COMBUSTION[a]

Pollutant	Emission Factor ($lb/10^6$ scf)	Emission Factor Rating
CO_2[b]	120,000	A
Lead	0.0005	D
N_2O (Uncontrolled)	2.2	E
N_2O (Controlled-low-NO_X burner)	0.64	E
PM (Total)[c]	7.6	D
PM (Condensable)[c]	5.7	D
PM (Filterable)[c]	1.9	B
SO_2[d]	0.6	A
TOC	11	B
Methane	2.3	B
VOC	5.5	C

[a] Reference 11. Units are in pounds of pollutant per million standard cubic feet of natural gas fired. Data are for all natural gas combustion sources. To convert from $lb/10^6$ scf to $kg/10^6$ m^3, multiply by 16. To convert from $lb/10^6$ scf to 1b/MMBtu, divide by 1,020. The emission factors in this table may be converted to other natural gas heating values by multiplying the given emission factor by the ratio of the specified heating value to this average heating value. TOC = Total Organic Compounds. VOC = Volatile Organic Compounds.

[b] Based on approximately 100% conversion of fuel carbon to CO_2. $CO_2[lb/10^6 \text{ scf}] = (3.67)(CON)(C)(D)$, where CON = fractional conversion of fuel carbon to CO_2, C = carbon content of fuel by weight (0.76), and D = density of fuel, 4.2×10^4 $lb/10^6$ scf.

[c] All PM (total, condensible, and filterable) is assumed to be less than 1.0 micrometer in diameter. Therefore, the PM emission factors presented here may be used to estimate PM_{10}, $PM_{2.5}$ or PM_1 emissions. Total PM is the sum of the filterable PM and condensible PM. Condensible PM is the particulate matter collected using EPA Method 202 (or equivalent). Filterable PM is the particulate matter collected on, or prior to, the filter of an EPA Method 5 (or equivalent) sampling train.

[d] Based on 100% conversion of fuel sulfur to SO_2. Assumes sulfur content is natural gas of 2,000 grains/10^6 scf. The SO_2 emission factor in this table can be converted to other natural gas sulfur contents by multiplying the SO_2 emission factor by the ratio of the site-specific sulfur content (grains/10^6 scf) to 2,000 grains/10^6 scf.

2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: HM20220060
Cust No: 33700-10495

Well/Lease Information

Customer Name: HARVEST MIDSTREAM
Well Name: TRUNK N CDP
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.:

Representative Gas Analysis for 32-8#2 CDP

Heat Trace:
Remarks: Calculated Molecular Weight:18.0806

Source: Station Fuel Header
Well Flowing:
Pressure: 130 PSIG
Flow Temp: 95 DEG. F
Ambient Temp: 94 DEG. F
Flow Rate: 272 MCF/D
Sample Method: Purge & Fill
Sample Date: 06/07/2022
Sample Time: 2.40 PM
Sampled By: DANIEL LOVATO
Sampled by (CO): HARVEST

Analysis

Component:	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0666	0.0667	0.0070	0.00	0.0006
CO2	6.6529	6.6615	1.1380	0.00	0.1011
Methane	92.3326	92.4525	15.6840	932.56	0.5114
Ethane	0.7559	0.7569	0.2030	13.38	0.0078
Propane	0.1383	0.1385	0.0380	3.48	0.0021
Iso-Butane	0.0191	0.0191	0.0060	0.62	0.0004
N-Butane	0.0237	0.0237	0.0070	0.77	0.0005
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0073	0.0073	0.0030	0.29	0.0002
N-Pentane	0.0037	0.0037	0.0010	0.15	0.0001
Neohexane	0.0000	N/R	0.0000	0.00	0.0000
2-3-Dimethylbutane	0.0000	N/R	0.0000	0.00	0.0000
Cyclopentane	0.0000	N/R	0.0000	0.00	0.0000
2-Methylpentane	0.0000	N/R	0.0000	0.00	0.0000
3-Methylpentane	0.0000	N/R	0.0000	0.00	0.0000
C6	0.0000	0.0000	0.0000	0.00	0.0000
Methylcyclopentane	0.0000	N/R	0.0000	0.00	0.0000
Benzene	0.0000	N/R	0.0000	0.00	0.0000
Cyclohexane	0.0000	N/R	0.0000	0.00	0.0000
2-Methylhexane	0.0000	N/R	0.0000	0.00	0.0000
3-Methylhexane	0.0000	N/R	0.0000	0.00	0.0000
2-2-4-Trimethylpentane	0.0000	N/R	0.0000	0.00	0.0000
i-heptanes	0.0000	N/R	0.0000	0.00	0.0000
Heptane	0.0000	N/R	0.0000	0.00	0.0000

Methylcyclohexane	0.0000	N/R	0.0000	0.00	0.0000
Toluene	0.0000	N/R	0.0000	0.00	0.0000
2-Methylheptane	0.0000	N/R	0.0000	0.00	0.0000
4-Methylheptane	0.0000	N/R	0.0000	0.00	0.0000
i-Octanes	0.0000	N/R	0.0000	0.00	0.0000
Octane	0.0000	N/R	0.0000	0.00	0.0000
Ethylbenzene	0.0000	N/R	0.0000	0.00	0.0000
m, p Xylene	0.0000	N/R	0.0000	0.00	0.0000
o Xylene (& 2,2,4 tmc7)	0.0000	N/R	0.0000	0.00	0.0000
i-C9	0.0000	N/R	0.0000	0.00	0.0000
C9	0.0000	N/R	0.0000	0.00	0.0000
i-C10	0.0000	N/R	0.0000	0.00	0.0000
C10	0.0000	N/R	0.0000	0.00	0.0000
i-C11	0.0000	N/R	0.0000	0.00	0.0000
C11	0.0000	N/R	0.0000	0.00	0.0000
C12P	0.0000	N/R	0.0000	0.00	0.0000
Total	100.00	100.130	17.087	951.25	0.6242

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0022	CYLINDER #:	106
BTU/CU.FT IDEAL:	953.4	CYLINDER PRESSURE:	128 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	955.6	ANALYSIS DATE:	06/09/2022
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	939.0	ANALYIS TIME:	10:15:56 AM
DRY BTU @ 15.025:	974.7	ANALYSIS RUN BY:	ELAINE MORRISON
REAL SPECIFIC GRAVITY:	0.6254		

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.
GPA Standard: GPA 2286-14
GC: SRI Instruments 8610 **Last Cal/Verify: 06/15/2022**
GC Method: C12+BTEX Gas

Section 8

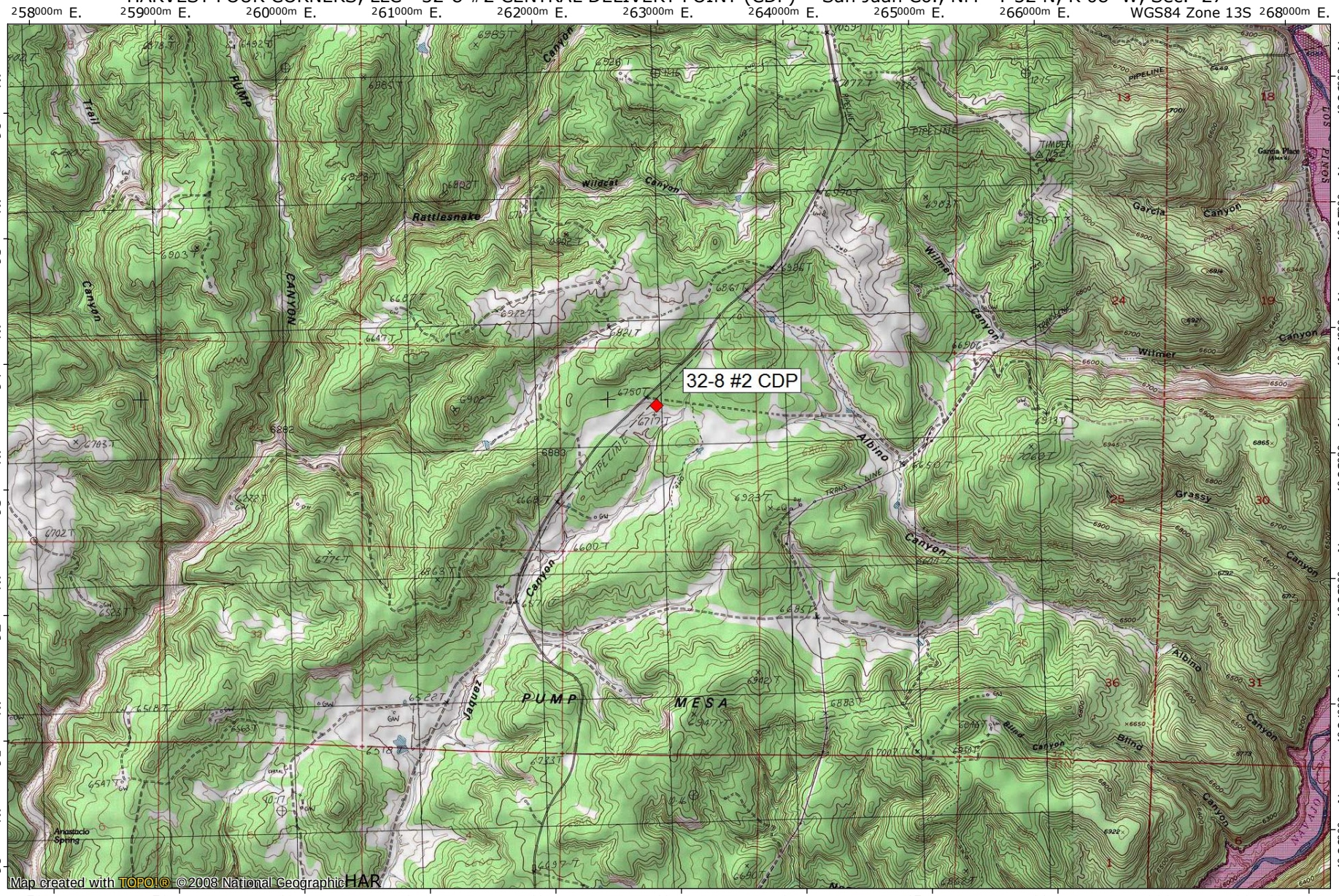
Map(s)

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

The UTM or Longitudinal coordinate system on both axes	An indicator showing which direction is north
A minimum radius around the plant of 0.8km (0.5 miles)	Access and haul roads
Topographic features of the area	Facility property boundaries
The name of the map	The area which will be restricted to public access
A graphical scale	

A topographic map of the area around the facility is provided in this section. Please see the following page.

HARVEST FOUR CORNERS, LLC - 32-8 #2 CENTRAL DELIVERY POINT (CDP) - San Juan Co., NM T 32 N, R 08 W, Sec. 27



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.

San Juan County is classified as an "A" county, according to the New Mexico Department of Finance and Administration. As such, according to 20.2.72.203.B(1)(a) NMAC, public notice must be provided by certified mail to the owners of record within one hundred (100) feet of the property on which the facility is located.

Table 1 identifies the landowners within 100 feet of the property on which the 32-8 #2 CDP Compressor Station is located, that received public notice letters of the proposed permit modification. Landowner information was obtained from the County Assessor's Office Geographical Information Systems (GIS) website at *https://webmaps.sjcounty.net/portal/apps/webappviewer/index.html?id=e970ec2c29e74b37b8440dfe364c3dbf*. Please see the attached maps and property owner listing.

Table 1

Landowner(s) Receiving Public Notice Letters Within 100 Feet of the Property on Which the 32-8 #2 CDP Compressor Station is Located	
Roger and Jennifer Sefzik	Thomas L. and Linda L. Jenkins
NM Dept. of Transportation, Region 5	Bureau of Land Management (BLM)

20.2.72.203.B(2) NMAC requires public notice be provided by certified mail to all municipalities and counties in which the facility is located, and to municipalities, counties and Indian Tribes within a 10-mile radius of the property on which the facility is located.

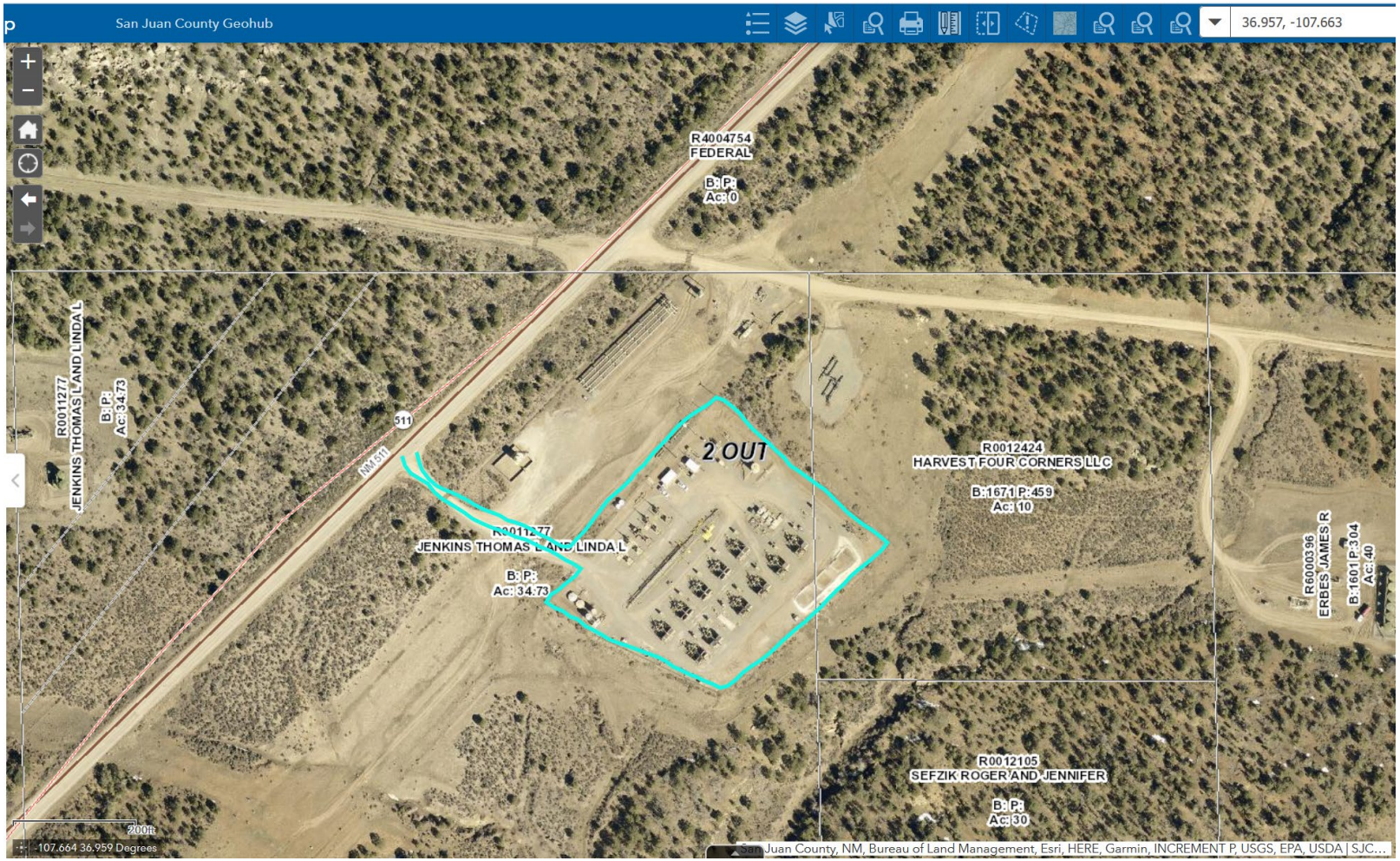
Table 2 identifies the counties, municipalities and tribes located within ten miles of the 32-8 #2 CDP Compressor Station that received public notice letters.

Table 2

Municipalities, Counties and Tribes Within 10 Miles of the 32-8 #2 CDP Compressor Station Receiving Public Notice Letters	
Municipalities	**Addressed to**
None	- -
Counties	**Addressed to**
San Juan County	County Clerk
Rio Arriba County	County Clerk
La Plata County	County Clerk
Tribes	**Addressed to**
Southern Ute Tribe	Environmental Programs Division

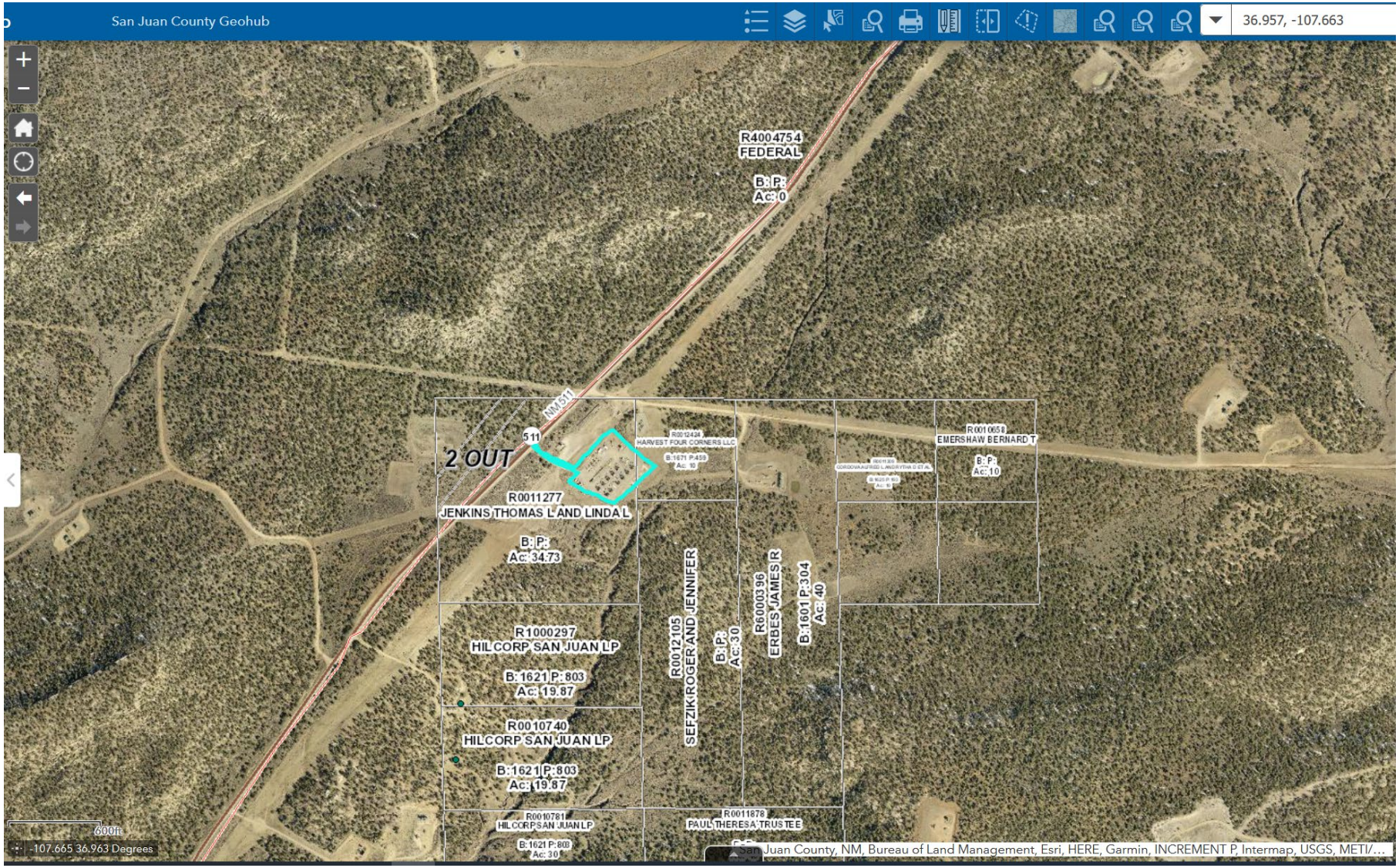
Landscape aerial of fenceline/landowners (close in)

32-8 #2 CDP Compressor Station location in San Juan County, T-32N, R-08W, Section 27. The facility fenceline is outlined in blue, as is the driveway from the highway to the gate. The San Juan County online GIS distance measurement tool indicates that the driveway is 343 feet long. Public notice is provided to parcel owners within 100 feet of the facility fenceline.



landscape aerial of location – zoomed out

32-8 #2 CDP Compressor Station location in San Juan County, T-32N, R-08W, Section 27.



32-8 #2 CDP - Neighboring Parcels within 100 feet

Coordinate Position
Geographic: 36° 57' 24.9" N, 107° 39' 51.3" W
Parcels
Account No: R0011277
Parcel Address: NM 511, NAVAJO_DAM, 87419
Owner: JENKINS THOMAS L AND LINDA L
Address: 1376 E QUINN RD
City, State, Zip: PEARCE, AZ 85625
Acres: 34.73
Parcel Number: 2045187312312
Legal Description: SE NW 273208 BK.854 PG.529 LESS 4AC TO HWY IN BK.638 PG.310

Coordinate Position
Geographic: 36° 57' 21.9" N, 107° 39' 41.5" W
Parcels
Account No: R0012105
Parcel Address: NM 511, NAVAJO_DAM, 87419
Owner: SEFZIK ROGER AND JENNIFER
Address: P.O. Box 433
City, State, Zip: CUSTER, WA 98240
Acres: 30
Parcel Number: 2045187229296
Legal Description: SW SW NE 273208 W1/2NW SE 273208 30 ACRES B.1311 P.84
ShapeArea: 1287845.92680022

7022 2410 0002 6245 6698

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CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at *www.usps.com®*.

Tierra Amarilla, NM 87575

OFFICIAL USE

Certified Mail Fee	$4.15
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $2.10
☒ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.63
Total Postage and Fees	$6.88

0030 18
APR – 8 2023
Postmark Here
GOLETA BRANCH SANTA BARBARA, CA 93111
04/08/2023

Sent To: Rio Arriba County Clerk
Street and Apt. No., or PO Box No.: P.O. Box 158
City, State, ZIP+4®: Tierra Amarilla, NM 87575

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

7022 2410 0002 6245 6681

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Santa Fe, NM 87502

OFFICIAL USE

Certified Mail Fee	$4.15
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $2.10
☒ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.63
Total Postage and Fees	$6.88

0030 18
APR – 8 2023
Postmark Here
GOLETA BRANCH SANTA BARBARA, CA 93111
04/08/2023

Sent To: Public Information Officer, NMDOT Region 5
Street and Apt. No., or PO Box No.: P.O. Box 4127
City, State, ZIP+4®: Santa Fe, NM 87502

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

7022 2410 0002 6245 6704

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Aztec, NM 87410

OFFICIAL USE

Certified Mail Fee	$4.15
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $2.10
☒ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.63
Total Postage and Fees	$6.88

0030 18
APR – 8 2023
Postmark Here
GOLETA BRANCH SANTA BARBARA, CA 93111
04/08/2023

Sent To: San Juan County Clerk
Street and Apt. No., or PO Box No.: P.O. Box 550
City, State, ZIP+4®: Aztec, NM 87410

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

7022 2410 0002 6245 6711

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

Custer, WA 98240

OFFICIAL USE

Certified Mail Fee	$4.15
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $2.10
☒ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.63
Total Postage and Fees	$6.88

0030 18
APR – 8 2023
Postmark Here
GOLETA BRANCH SANTA BARBARA, CA 93111
04/08/2023

Sent To: Roger and Jennifer Sefzik
Street and Apt. No., or PO Box No.: P.O. Box 433
City, State, ZIP+4®: Custer, WA 98240

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

7022 2410 0002 6245 9057

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Farmington, NM 87402

OFFICIAL USE

Certified Mail Fee	$4.15
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $2.10
☒ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.63
Total Postage and Fees	$6.88

0030 18
GOLETA BRANCH
APR – 8 2023
Postmark Here
SANTA BARBARA, CA 93111
04/08/2023

Sent To: Bureau of Land Management
Street and Apt. No., or PO Box No.: 6251 College Blvd., Suite A
City, State, ZIP+4®: Farmington, NM 87402

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

7022 2410 0002 6245 6728

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Ignacio, CO 81137

OFFICIAL USE

Certified Mail Fee	$4.15
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $2.10
☒ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.63
Total Postage and Fees	$6.88

0030 18
GOLETA BRANCH
APR – 8 2023
Postmark Here
SANTA BARBARA, CA 93111
04/08/2023

Sent To: Environmental Programs Div. - So. Ute Tribe
Street and Apt. No., or PO Box No.: P.O. Box 737
City, State, ZIP+4®: Ignacio, CO 81137

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

7022 2410 0002 6245 6674

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Durango, CO 81303

OFFICIAL USE

Certified Mail Fee	$4.15
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $2.10
☒ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.63
Total Postage and Fees	$6.88

0030 18
GOLETA BRANCH
APR – 8 2023
Postmark Here
SANTA BARBARA, CA 93111
04/08/2023

Sent To: County Clerk, La Plata County
Street and Apt. No., or PO Box No.: 679 Turner Drive, Suite C
City, State, ZIP+4®: Durango, CO 81303

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

7022 2410 0002 6245 6667

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

For delivery information, visit our website at *www.usps.com®*.
Pearce, AZ 85625

OFFICIAL USE

Certified Mail Fee	$4.15
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$ $2.10
☒ Return Receipt (electronic)	$ $0.00
☐ Certified Mail Restricted Delivery	$ $0.00
☐ Adult Signature Required	$ $0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.63
Total Postage and Fees	$6.88

0030 18
GOLETA BRANCH
APR – 8 2023
Postmark Here
SANTA BARBARA, CA 93111
04/08/2023

Sent To: Thomas L. and Linda L. Jenkins
Street and Apt. No., or PO Box No.: 1376 E. Quinn Road
City, State, ZIP+4®: Pearce, AZ 85625

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

PO Box 61229
Houston, TX 77208

1111 Travis Street
Houston, TX 77002
Phone: 713/209-2400
Fax: 713/209-2478
harvestmidstream.com

April 7, 2023

CERTIFIED MAIL 7022 2410 0002 6245 9057
RETURN RECEIPT REQUESTED

Bureau of Land Management
6251 College Blvd, Suite A
Farmington, NM 87402

Dear Madam/Sir,

According to New Mexico Environment Department (NMED) air quality regulations, Harvest Four Corners, LLC must announce its intent to submit an application to revise the air quality permit for its 32-8#2 CDP Compressor Station. The expected date of application submittal to the Air Quality Bureau is during the week of April 10, 2023.

The exact location of the facility, known as the 32-8#2 Central Delivery Point, is latitude 36 deg, 57 min, 25 sec and longitude -107 deg, 39 min, 47 sec. The approximate location of this facility is approximately 17.4 miles east of Aztec, New Mexico (from the intersection of Highway 550 and Highway 173, go east on Highway 173 and drive 18 miles to Highway 511 (Sportsman' Inn), turn left on Highway 511 and drive 18.6 miles (crossing the dam) to mile marker 26.6, site is on the right.).

The proposed modification is to add two glycol dehydration units with associated reboilers, add two 400 bbl produced water storage tanks and reduce allowable emission limits for seven compressor engines.

The station's estimated maximum quantities of any regulated air contaminants will be as follows in pounds per hour and tons per year and may change slightly during the course of the Department's review:

	Pounds Per Hour	Tons Per Year
Nitrogen Oxides (NO_X)	28.8	126.2
Carbon Monoxide (CO)	15.4	67.5
Volatile Organic Compounds (VOCs)	32.0	153.9
Particulate Matter Less Than 10 Microns (PM_{10})	1.5	6.6
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$)	1.5	6.6
Total Sum of all Hazardous Air Pollutants (HAPs)	0.4	1.8
Green House Gas Emissions as Total CO_2e	N/A	196739.6

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

If you have any comments about the construction or operation of this facility, and want your comments to be made as part of the permit review process, you must submit your comments in writing to this

address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico, 87505-1816; 505-476-4300; 1-800-224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments or questions may be submitted verbally.

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.

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

Attencion

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

Sincerely,

Walter H. Kuhlter for

Oakley Hayes
Environmental Specialist
Harvest Four Corners, LLC
1755 Arroyo Drive
Bloomfield, NM 87413

Notice of Non-Discrimination

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PO Box 61229
Houston, TX 77208

1111 Travis Street
Houston, TX 77002
Phone: 713/209-2400
Fax: 713/209-2478
harvestmidstream.com

April 7, 2023

CERTIFIED MAIL 7022 2410 0002 6245 6667
RETURN RECEIPT REQUESTED

Thomas L. and Linda L. Jenkins
1376 E. Quinn Road
Pearce, AZ 85625

Dear Madam/Sir,

According to New Mexico Environment Department (NMED) air quality regulations, Harvest Four Corners, LLC must announce its intent to submit an application to revise the air quality permit for its 32-8#2 CDP Compressor Station. The expected date of application submittal to the Air Quality Bureau is during the week of April 10, 2023.

The exact location of the facility, known as the 32-8#2 Central Delivery Point, is latitude 36 deg, 57 min, 25 sec and longitude -107 deg, 39 min, 47 sec. The approximate location of this facility is approximately 17.4 miles east of Aztec, New Mexico (from the intersection of Highway 550 and Highway 173, go east on Highway 173 and drive 18 miles to Highway 511 (Sportsman' Inn), turn left on Highway 511 and drive 18.6 miles (crossing the dam) to mile marker 26.6, site is on the right.).

The proposed modification is to add two glycol dehydration units with associated reboilers, add two 400 bbl produced water storage tanks and reduce allowable emission limits for seven compressor engines.

The station's estimated maximum quantities of any regulated air contaminants will be as follows in pounds per hour and tons per year and may change slightly during the course of the Department's review:

	Pounds Per Hour	Tons Per Year
Nitrogen Oxides (NO_X)	28.8	126.2
Carbon Monoxide (CO)	15.4	67.5
Volatile Organic Compounds (VOCs)	32.0	153.9
Particulate Matter Less Than 10 Microns (PM_{10})	1.5	6.6
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$)	1.5	6.6
Total Sum of all Hazardous Air Pollutants (HAPs)	0.4	1.8
Green House Gas Emissions as Total CO_2e	N/A	196739.6

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

If you have any comments about the construction or operation of this facility, and want your comments to be made as part of the permit review process, you must submit your comments in writing to this

address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico, 87505-1816; 505-476-4300; 1-800-224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments or questions may be submitted verbally.

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.

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

Attencion

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Sincerely,

 for

Oakley Hayes
Environmental Specialist
Harvest Four Corners, LLC
1755 Arroyo Drive
Bloomfield, NM 87413

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Phone: 713/209-2400
Fax: 713/209-2478
harvestmidstream.com

April 7, 2023

CERTIFIED MAIL 7022 2410 0002 6245 6674
RETURN RECEIPT REQUESTED

County Clerk, La Plata County
679 Turner Drive, Suite C
Durango CO, 81303

Dear Madam/Sir,

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Volatile Organic Compounds (VOCs)	32.0	153.9
Particulate Matter Less Than 10 Microns (PM_{10})	1.5	6.6
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$)	1.5	6.6
Total Sum of all Hazardous Air Pollutants (HAPs)	0.4	1.8
Green House Gas Emissions as Total CO_2e	N/A	196739.6

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

If you have any comments about the construction or operation of this facility, and want your comments to be made as part of the permit review process, you must submit your comments in writing to this

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Sincerely,

Walter H. Kuhlter for

Oakley Hayes
Environmental Specialist
Harvest Four Corners, LLC
1755 Arroyo Drive
Bloomfield, NM 87413

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Fax: 713/209-2478
harvestmidstream.com

April 7, 2023

CERTIFIED MAIL 7022 2410 0002 6245 6681
RETURN RECEIPT REQUESTED

Public Information Officer
NMDOT Region 5
P.O. Box 4127
Santa Fe, NM 87502

Dear Madam/Sir,

According to New Mexico Environment Department (NMED) air quality regulations, Harvest Four Corners, LLC must announce its intent to submit an application to revise the air quality permit for its 32-8#2 CDP Compressor Station. The expected date of application submittal to the Air Quality Bureau is during the week of April 10, 2023.

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Volatile Organic Compounds (VOCs)	32.0	153.9
Particulate Matter Less Than 10 Microns (PM_{10})	1.5	6.6
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$)	1.5	6.6
Total Sum of all Hazardous Air Pollutants (HAPs)	0.4	1.8
Green House Gas Emissions as Total CO_2e	N/A	196739.6

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

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

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Sincerely,

Walter H Kohlenberg for

Oakley Hayes
Environmental Specialist
Harvest Four Corners, LLC
1755 Arroyo Drive
Bloomfield, NM 87413

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Houston, TX 77208

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Houston, TX 77002
Phone: 713/209-2400
Fax: 713/209-2478
harvestmidstream.com

April 7, 2023

CERTIFIED MAIL 7022 2410 0002 6245 6698
RETURN RECEIPT REQUESTED

Rio Arriba County Clerk
Post Office Box 158
Tierra Amarilla, New Mexico 87575

Dear Madam/Sir,

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Total Sum of all Hazardous Air Pollutants (HAPs)	0.4	1.8
Green House Gas Emissions as Total CO_2e	N/A	196739.6

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Walter H. Kuhlter for

Oakley Hayes
Environmental Specialist
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Phone: 713/209-2400
Fax: 713/209-2478
harvestmidstream.com

April 7, 2023

CERTIFIED MAIL 7022 2410 0002 6245 6704
RETURN RECEIPT REQUESTED

San Juan County Clerk
Post Office Box 550
Aztec, New Mexico 87410

Dear Madam/Sir,

According to New Mexico Environment Department (NMED) air quality regulations, Harvest Four Corners, LLC must announce its intent to submit an application to revise the air quality permit for its 32-8#2 CDP Compressor Station. The expected date of application submittal to the Air Quality Bureau is during the week of April 10, 2023.

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Sincerely,

 for

Oakley Hayes
Environmental Specialist
Harvest Four Corners, LLC
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Bloomfield, NM 87413

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harvestmidstream.com

April 7, 2023

CERTIFIED MAIL 7022 2410 0002 6245 6711
RETURN RECEIPT REQUESTED

Roger and Jennifer Sefzik
PO Box 433
Custer, WA 98240

Dear Madam/Sir,

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Sincerely,

Walter H. Kuhlter for

Oakley Hayes
Environmental Specialist
Harvest Four Corners, LLC
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Bloomfield, NM 87413

Notice of Non-Discrimination

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

PO Box 61229
Houston, TX 77208

1111 Travis Street
Houston, TX 77002
Phone: 713/209-2400
Fax: 713/209-2478
harvestmidstream.com

April 7, 2023

CERTIFIED MAIL 7022 2410 0002 6245 6728
RETURN RECEIPT REQUESTED

Environmental Programs Division
Southern Ute Tribe
P.O. Box 737
Ignacio, CO 81137

Dear Madam/Sir,

According to New Mexico Environment Department (NMED) air quality regulations, Harvest Four Corners, LLC must announce its intent to submit an application to revise the air quality permit for its 32-8#2 CDP Compressor Station. The expected date of application submittal to the Air Quality Bureau is during the week of April 10, 2023.

The exact location of the facility, known as the 32-8#2 Central Delivery Point, is latitude 36 deg, 57 min, 25 sec and longitude -107 deg, 39 min, 47 sec. The approximate location of this facility is approximately 17.4 miles east of Aztec, New Mexico (from the intersection of Highway 550 and Highway 173, go east on Highway 173 and drive 18 miles to Highway 511 (Sportsman' Inn), turn left on Highway 511 and drive 18.6 miles (crossing the dam) to mile marker 26.6, site is on the right.).

The proposed modification is to add two glycol dehydration units with associated reboilers, add two 400 bbl produced water storage tanks and reduce allowable emission limits for seven compressor engines.

The station's estimated maximum quantities of any regulated air contaminants will be as follows in pounds per hour and tons per year and may change slightly during the course of the Department's review:

	Pounds Per Hour	Tons Per Year
Nitrogen Oxides (NO_X)	28.8	126.2
Carbon Monoxide (CO)	15.4	67.5
Volatile Organic Compounds (VOCs)	32.0	153.9
Particulate Matter Less Than 10 Microns (PM_{10})	1.5	6.6
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$)	1.5	6.6
Total Sum of all Hazardous Air Pollutants (HAPs)	0.4	1.8
Green House Gas Emissions as Total CO_2e	N/A	196739.6

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

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

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.

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

Attencion

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

Sincerely,

Walter H Kohlenberg for

Oakley Hayes
Environmental Specialist
Harvest Four Corners, LLC
1755 Arroyo Drive
Bloomfield, NM 87413

Notice of Non-Discrimination

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LOCAL NEWS

$1.25B grant targeted by NM-led hydrogen power project

Adrian Hedden
Carlsbad Current-Argus
USA TODAY NETWORK – NEW MEXICO

New Mexico has partnered with Colorado, Utah and Wyoming to target funds made available by the U.S. Department of Energy to devise multiple "hubs" of hydrogen development across the U.S. GETTY IMAGES

Oil and gas regions in New Mexico led the state's efforts in targeting a $1.25 billion federal grant for hydrogen power via a joint project with three other western states.

The Western Interstate Hydrogen Hub saw the state of New Mexico partner with Colorado, Utah and Wyoming to target funds made available by the U.S. Department of Energy as it intended to devise multiple "hubs" of hydrogen development across the U.S.

The hub proposal included projects both in the northwest San Juan Basin and southeast Permian Basin – the state's two main fossil fuel regions.

It's part of the DOE's broader agenda of creating new sources of energy less pollutive than traditional fossil fuels, as the federal administration works to address climate change in the U.S.

The proposed hub spans about 408,000 square miles in the four states, which already produce about a sixth of the nation's energy, according to an announcement by the New Mexico Environment Department (NMED).

The energy-producing states signed an agreement in February 2022 to create the hub and coordinate a regional plan to target the federal funds and hired engineering firm Atkins as the lead contractor.

A proposal for the hub was submitted to the DOE's Office of Clean Energy Demonstrations ahead of the April 7 deadline, which saw the hub selecting eight companies to partner in the project including universities, national laboratories and private companies.

NMED said the hub developers planned to exceed a 50 percent matching requirement for the federal grant.

What are the hydrogen projects in NM, other states in the hub?

Seven projects were included in the proposal spanning the four states.

In New Mexico, this included Avangrid which has and planned to leverage its experience in renewable energy projects and planned to produce hydrogen in the Navajo Nation in San Juan County and in Torrance County.

Libertad Power would also produce New Mexico hydrogen for heavy haul transportation and power generation and storage in Lea County in the southeast and San Juan County in the northwest.

Navajo Agricultural Product Industries, a 275,000 acre commercial farm owned by the Navajo Nation in San Juan County would also be included as it aims to become energy self-sufficient in growing produce for tribal members, while Tallgrass Energy would also produce hydrogen power in New Mexico, Colorado and Wyoming.

The plan also included projects from Xcel Energy Colorado to generate hydrogen via wind and solar power in that state's eastern plains, along with Dominion Energy Utah's high-pressure natural gas system and AVF Energy to produce hydrogen from biomass as part of wildfire mitigation in Utah.

New Mexico leaders argue hydrogen to curb pollution amid criticism

Hydrogen energy proved controversial in New Mexico as environmental groups opposed a series of bills that ultimately failed in the 2022 Legislative Session backed by state officials to incentivize the industry in the state.

Concerns grew around the method of developing the energy source, which can use extracted natural gas, and environmentalists argued the legislation lacked assurances that it would require the process be what its considered "green hydrogen" that uses only renewable energy.

New Mexico's signing of the interstate deal was also met with opposition as groups argued the bills' failure proved a negative referendum on the concept in their state.

But New Mexico Gov. Michelle Lujan Grisham maintained that hydrogen would bring economic diversity to her oil- and gas-dependent state but maintain New Mexico's position as a lead state in energy production and in addressing pollution.

"Through bipartisan collaboration with states and project partners, we are advancing a vital economic development initiative that will power the nation and create thousands of jobs — all while reducing emissions," Lujan Grisham said in a Monday statement as the grant application was announced.

"I look forward to the Department of Energy approving our plans for the premier hydrogen hub in the nation."

San Juan County Commission Chair Steve Lanier said the economic boon brought to his community from the hub could offset jobs and tax revenue lost in the recent closure of the coal-fired San Juan Generating Station.

Overall, the hub and its projects were expected to bring 26,000 jobs to the four states, including 7,000 construction jobs, read the NMED's report.

"We're very excited to see three hydrogen projects interested in locating in San Juan County, New Mexico," Lanier said. "The opportunity to land high-wage jobs and replace some of the property tax base lost with the closure of the coal-fired San Juan Generating Station is exactly the kind of energy transformation and economic development we need."

Anja Richmond, program director of the hub said the collaborative nature of the project meant multiple communities in the American West would benefit from the federal funds while also advancing national goals of less-carbon-intensive energy.

"We have conducted social characterization assessments for each impacted community and are confident that hydrogen will benefit these communities and their workforces for many years to come," Richmond said.

Adrian Hedden can be reached at 575-628-5516, achedden@currentargus.com or @AdrianHedden on Twitter.

CALENDAR OF EVENTS

The Cinematheque Series at San Juan College continues at 6 p.m. Thursday, April 13 with a screening of "Gratitude Revealed: Catch the Wave" in the Henderson Fine Arts Center Performance Hall on the college campus, 4601 College Blvd. in Farmington. Free. Call 505-566-3430.

A forum on volunteerism presented by the Farmington Community Relations Commission and led by Scott Michlin will take place at 6 p.m. at the Farmington Civic Center, 200 W. Arrington St. The event will feature the leaders of several local nonprofit organizations or community-oriented businesses who will be discussing the benefits of volunteering.

The Sandstoners perform at 6 p.m. Thursday, April 13 at the Bloomfield Multicultural Center, 333 S. 1st St. Free. Call 505-632-2840.

Trivia Night takes place at 6:30 p.m. Thursday, April 13 at Traegers Bar, 5170 College Blvd., Suite 106, in Farmington. Free. Call 505-278-8568.

Emily Nenni performs at 7 p.m. Thursday, April 13 at the Lauter Haus Brewing Co., 1806 E. 20th St. in Farmington. Call 505-326-2337.

Cowboy Karaoke with DJ Justin Hogue will be presented at 8 p.m. Thursday, April 13 at the Wooden Nickel, 900 W. Broadway Ave. in Bloomfield. Call 505-632-2457.

Karaoke Night takes place at 6 p.m. Friday, April 14 at Locke Street Eats, 112 N. Locke Ave. in downtown Farmington. Free. Call 505-360-5032.

The AstroFriday series continues at 6:30 and 7:30 p.m. Friday, April 14 at the San Juan College Planetarium on the college campus, 4601 College Blvd. in Farmington, with a presentation of the program "Flight Adventures." Free. Seating is on a first-come, first-served basis, and no one will be admitted after each presentation has begun. A free, public stargazing session with telescopes will take place at 8:30 p.m. in the courtyard outside the Planetarium. Call 505-566-3361.

The African Drumming Ensemble featuring Male Fainke will perform at 7 p.m. Friday, April 14 in the Connie Gotsch Theatre on the San Juan College campus, 4601 College Blvd. in Farmington. Tickets are $8 for adults, $6 for seniors and free for children younger than 12 and students with an ID.

The 2 Guys Comedy Tour featuring Mark Riccadonna and Tom Briscoe will be featured at 7:30 p.m. Friday, April 14 at the Totah Theater, 315 W. Main St. in downtown Farmington. Tickets are $14 and $18 at 505-599-1148 or fmtn.org/shows.

Graham Good and the Painters perform at 7 p.m. Friday, April 14 at the Lauter Haus Brewing Co., 1806 E. 20th St. in Farmington. Call 505-326-2337.

Cowboy Karaoke will be offered at 8 p.m. Friday, April 14 at VFW Post 614, 201 S. Park Ave. in Aztec. Call 505-290-9795.

Joker's Wild performs at 8:30 p.m. Friday, April 14 and Saturday, April 15 at the Sportz Arena at SunRay Park & Casino, 39 County Road 5568 between Farmington and Bloomfield. Call 505-566-1205.

The Stillwater Band 505 performs at 9 p.m. Friday, April 14 and Saturday, April 15 at the Wooden Nickel, 900 W. Broadway Ave. in Bloomfield. Call 505-632-2457.

Severo y Grupo Fuego performs at 10 p.m. Friday, April 14 and Saturday, April 15 in the Cedar Bow Lounge at the Northern Edge Casino, 2752 Navajo Route 36 in Fruitland. Call 505-960-7000.

The Spring Dumpster Weekend presented by Farmington Clean & Beautiful will take place from 8 a.m. to 3 p.m. Saturday, April 15 at Berg Park, 514 Scott Ave. in Farmington. Farmington residents will be welcome to bring yard trimmings, metal, household nonhazardous trash and electronic waste, including televisions, for disposal. Free. Call 505-599-1426.

The Locke Street Eats Flea Market takes place from 8 a.m. to 1 p.m. Saturday, April 15 at Locke Street Eats, 112 N. Locke Ave. in downtown Farmington. Free. Call 505-360-5032.

Poet Samuel Galbraith of Albuquerque will read from and sign copies of his first book, "Mismatched Perceptions," at 1 p.m. Saturday, April 15 at Amy's Bookcase, 2530 San Juan Blvd. in Farmington. Free. Call 505-327-4647.

Comedy Night featuring Ron Morey and Brian Kohatsu returns at 8 p.m. Saturday, April 15 to SunRay Park & Casino, 29 County Road 5568 between Farmington and Bloomfield. Tickets are $25. Call 505-566-1205.

The Byron Ramone Band performs at 8 p.m. Saturday, April 15 at VFW Post 614 201 S. Park Ave. in Aztec. Call 505-290-9795.

A career fair will be held from 10 a.m. to 3 p.m. Monday, April 17 at the Northern Edge Casino, 2752 Navajo Route 36 in Fruitland. Call 505-960-7000.

The Tuesday Morning Birders group meets at 9 a.m. Tuesday, April 18 at the Riverside Nature Center in Animas Park off Browning Parkway in Farmington. Participation is free to experienced and novice birders. Free. Call 505-599-1422.

The San Juan County Federation of Democratic Women will meet at 11:30 a.m. Tuesday, April 18 at Red Lobster, 3451 E. Main St. in Farmington. The president of the New Mexico Federation of Democratic Women will speak. Email inerlite@sisna.com.

The B.L.A.S.T. after-school program takes place at 4 p.m. Tuesday, April 18 at the Bloomfield Public Library, 333 S. 1st St. Free. Call 505-632-8315.

Andrew Gulliford delivers a presentation on his book "Bears Ears – Landscape of Refuge and Resistance" at 6 p.m. Tuesday, April 18 in the Multipurpose Room at the Farmington Public Library, 2101 Farmington Ave. Free. Call 505-566-2205 or visit infoway.org.

Trivia Night takes place at 6 p.m. Tuesday, April 18 at Clancy's Irish Pub and Cantina, 2701 E. 20th St. Call 505-325-8176.

The second annual Active Minds Suicide Walk will take place at 10 a.m. Wednesday, April 19 on the San Juan College campus, 4601 College Blvd. in Farmington, to bring awareness to the issue of suicide through information, resources and messages of hope. Call 505-566-3235.

Morning Storytime takes place at 10:30 a.m. Wednesday, April 19 at the Bloomfield Public Library, 333 S. 1st St. in Bloomfield. Free. Call 505-632-8315.

A Brown Bag Birding session will be held at noon Wednesday April 19 at the Riverside Nature Center in Animas Park off Browning Parkway in Farmington. Participants are invited to bring lunch and join the center staff in the observation room to watch wildlife. Free. Call 505-599-1422.

Singo takes place at 6:30 p.m. Wednesday, April 19 at Traegers Bar, 5170 College Blvd., Suite 106 in Farmington. Call 505-278-8568.

Jose Villareal performs at 7 p.m. Wednesday April 19 at Clancy's Irish Cantina, 2701 E. 20th St. in Farmington. Free. Call 505-325-8176.

Legal Notices

Navajo Preparatory School-Proposals will be received by the electronic submission, to yescojeda@navajoprep.com on the date shown below. Any extensions or changes in due date for any RFP's will be posted on the Navajo Preparatory website which is titled PROFESSIONAL AUDIT SERVICES at: https://navajoprep.com. Legal Notices: RFP: PROFESSIONAL AUDIT SERVICES RFP Opening Date: 04/13/2023. Navajo Preparatory School reserves the right to accept or reject any or all proposals, to waive all technicalities, and to accept the proposal that is most beneficial to Navajo Preparatory School as applicable. RFP's due by April 26, 2023.
#5664004, Daily Times, Apr 13, 14, 16, 19, 23, 2023

STATE OF NEW MEXICO
COUNTY OF SAN JUAN
ELEVENTH JUDICIAL DISTRICT COURT

IN THE MATTER OF THE PETITION OF Antonio David Garcia
FOR CHANGE OF NAME

No. D-1116-CV-2023-00389-1

NOTICE OF PETITION TO CHANGE NAME OF PERSON AGE 14 OR OLDER

NOTICE IS HEREBY GIVEN THAT Antonio David Garcia filed a Petition to Change Name in the Eleventh Judicial District Court in San Juan County, New Mexico at 103 So. Oliver Drive, Aztec, on the 3rd day of April, 2023. The Petitioner seeks to change the Petitioner's current name from Antonio David Garcia to the name of Tony Evanson Ramirez. Anyone who has an interest in this petition or has an objection must file a response to the petition within thirty (30) days of this newspaper notice. The response must state any objection and provide contact information including a mailing address. You will then be notified by mail when a hearing is scheduled.
#5655067, Daily Times, April 6, 13, 2023

Legal Advertisement
Request for Bid (RFP)

Sealed Bids will be received at Central New Mexico Housing Corporation, 703 Osuna Road Suite #2, Albuquerque NM, 87113. The following Bid #01-072023 will be used for all; Licensed Electrical work, Licensed HVAC plumbing heating and cooling work, the making and installing of windows, and insulation work. Current State, City(s), and MHD license, Bond and Certificate of Insurance are needed. SAM.gov Registration, DUNs #, and you must be an EPA Lead Safe Certified firm to Bid. For Bid specification package please contact Isaac R Stevens, General Contractor or Cyndi Hazzard, Executive Director at the above stated address or by phone @ (505) 345-4949 for more information. Central New Mexico Housing Corporation reserves the right to reject any or all Bids submitted.
BIDs WILL BE ACCEPTED UNTIL THE END OF BUSINESS DAY ON JUNE 1st, 2023 @ 5:00pm
Please mark all Bid envelopes with Bid # clearly visible, Name of Company, and ensure the Bid is sealed. If you would like to Bid via email, please refer to the Bid specification package.
#5642263, Farmington Daily Times: April 2nd - 14th, 2023

Legal Notices

EPA

IMPORTANT

COMMENT PERIOD NOW OPEN
Proposed National Priorities List Site in Cove, Lukachukai, and Round Rock Chapters

On March 29, 2023, U.S. Environmental Protection Agency (USEPA) published a Federal Register notice proposing to add the Lukachukai Mountains Mining District (LMMD or Site) to the National Priority List (NPL). Sites included on the NPL are eligible to receive additional federal resources for long-term, permanent cleanup. The USEPA is currently accepting comments on its proposal to add the LMMD site to the NPL. **The 60-day public comment period is from March 29 to May 30, 2023.**

The LMMD site is situated primarily in the Cove, Round Rock, and Lukachukai Chapters of the Navajo Nation in northeastern Arizona. The LMMD site comprises numerous uranium/vanadium mine waste piles, contaminated soil, and sediment throughout the Lukachukai Mountains and in the Cove and Lukachukai valleys.

Documents related to the proposed listing can be viewed at:

Cove Chapter Information Repository (Library), Red Valley, AZ 86544 and Window Rock Information Repository,
Hwy 264 Indian Route 12 Suite 10, Window Rock, AZ 86515
Online: www.epa.gov/superfund/Lukachukai

Comments may be submitted by one of the following methods:
www.regulations.gov (preferred)
Mail comments (no faxes or tapes) to:

U.S. Environmental Protection Agency
EPA Docket Center
Superfund Docket (EPA-HQ-OLEM-2023-0041)
Mail Code 28221T
1200 Pennsylvania Avenue, NW Washington, DC 20460

For more information on submitting comments please visit:
www.epa.gov/superfund/public-comment-process

TX-GCI1042779-01

NOTICE OF AIR QUALITY PERMIT APPLICATION

Harvest Four Corners, LLC announces the submittal of an application to the New Mexico Environment Department to revise the air quality permit for one of its natural gas compressor stations. The expected date of application submittal to the Air Quality Bureau is during the week of April 10, 2023.

The exact location of the facility, known as the 32-8#2 Central Delivery Point, is latitude 36 deg, 57 min, 25 sec and longitude -107 deg, 39 min, 47 sec. The approximate location of this facility is approximately 17.4 miles east of Aztec, New Mexico (from the intersection of Highway 550 and Highway 173, go east on Highway 173 and drive 18 miles to Highway 511 (Sportsman' Inn), turn left on Highway 511 and drive 18.6 miles (crossing the dam) to mile marker 26.6, site is on the right.).

The proposed modification is to add two glycol dehydration units with associated reboilers, add two 400 bbl produced water storage tanks and reduce allowable emission limits for seven compressor engines.

The station's estimated maximum quantities of any regulated air contaminants will be as follows in pounds per hour and tons per year and may change slightly during the course of the Department's review:

	Pounds Per Hour	Tons Per Year
Nitrogen Oxides (NOX)	28.8	126.2
Carbon Monoxide (CO)	15.4	67.5
Volatile Organic Compounds (VOCs)	32.0	153.9
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Total Sum of all Hazardous Air Pollutants (HAPs)	0.4	1.8
Green House Gas Emissions as Total CO2e	N/A	196739.6

The standard and maximum operating schedules for the station will be 24 hours per day, 7 days per week, and a maximum of 52 weeks per year.
The owner and/or operator of the facility is:
Harvest Four Corners, LLC
1755 Arroyo Drive
Bloomfield, New Mexico 87413
If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1 800 224-7009; https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html. Other comments and questions may be submitted verbally.
Please refer to the company name and site name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.
General information about air quality and the permitting process can be found at the Air Quality Bureau's web site. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC. This regulation can be found in the "Permits" section of this web site.

Attención

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

Notice of Non-Discrimination

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Kathryn Becker, Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@state.nm.us. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.
#5660778, Daily Times, Apr. 13, 2022

STATE OF NEW MEXICO
COUNTY OF SAN JUAN
ELEVENTH JUDICIAL DISTRICT COURT DISTHICT COURT

IN THE MATTER OF THE PETITION OF
Ashley Joyce Wainscott
FOR CHANGE OF NAME OF
Steven Tyrell Wainscott-Selph

No. D-1116-CV-2023-00387-4

NOTICE OF PETITION TO CHANGE NAME OF Person Under 14 Years of Age

NOTICE IS HEREBY GIVEN THAT Ashley Wainscott filed a Petition to Change Name in the Eleventh Judicial District Court in San Juan County, New Mexico at 103 So. Oliver Drive, Aztec, on the 31 day of March, 2023. The Petitioner is the parent or legal guardian of the Child and seeks to change the Child's name from Steven Tyrell Wainscott-Selph to the name of Steven Tyrell Wainscott-Espinosa. Anyone who has an interest in this petition or has an objection must file a response to the petition within thirty (30) days of this newspaper notice. The response must state any objection and provide contact information including a mailing address. You will then be notified by mail when a hearing is scheduled.
#5655126, Daily Times, April 6, 13, 2023

STATE OF NEW MEXICO
COUNTY OF SAN JUAN
ELEVENTH JUDICIAL DISTRICT COURT

IN THE MATTER OF THE PETITION OF
Tiffany Nasheen Elwood
FOR CHANGE OF NAME OF
Nikko Tahki Graham

No. D-1116-CV-2023-00100

NOTICE OF PETITION TO CHANGE NAME OF PERSON UNDER 14 YEARS OF AGE

NOTICE IS HEREBY GIVEN THAT Tiffany Nasheen Elwood filed a Petition to Change Name in the Eleventh Judicial District Court in San Juan County, New Mexico at 103 So. Oliver Drive, Aztec, on the 26 day of January, 2023. The Petitioner is the parent or legal guardian of the Child and seeks to change the Child's name from Nikko Tahki Graham to name of Nikko Tahki Elwood. Anyone who has an interest in this petition or has an objection must file a response to the petition within thirty (30) days of this newspaper notice. The response must state any objection and provide contact information including a mailing address. You will then be notified by mail when a hearing is scheduled.
#5663184, Daily Times, April 13, 20, 2023

Legal Notices

CITY OF FARMINGTON, NEW MEXICO
NOTICE OF SALE OF SURPLUS VEHICLES

The following item(s) are offered for sale utilizing a third--party web site provider, Public Surplus, LLC. This web-based Auction for the sale of the following to the highest cash bidder, starts and ends on the dates and times reflected below:

SALE OF SURPLUS VEHICLES
Auction #3168892 SMALL UTILITY TRAILER
Auction #3236145 2012 FORD E450 VAN W/ WHEELCHAIR, UNIT #10275
Auction #3236148 2003 FORD E350 VAN W/BUCKET, UNIT #9656
Auction #3236149 2008 FORD F350 STAKEBED, UNIT #9993
Auction #3236151 2005 FORD CROWN VICTORIA, UNIT #9745
Auction #3236155 2006 FORD EXPEDITION 4x4 SPORT, UNIT #9827
Auction #3236157 2009 JEEP WRANGLER 4x4 SPORT, UNIT #10088
Auction #3236169 2005 FORD CROWN VICTORIA, UNIT #9670
Auction #3236170 2000 CHEVROLET C-2500 TRUCK W/ UTILITY BED, UNIT #9426
Auction #3236174 2001 FORD CROWN VICTORIA, UNIT #9497
Auction #3236177 2009 FREIGHTLINER DIGGER TRUCK, UNIT #10135
Auction #3236179 2006 FORD EXPLORER 4x4 SPORT, UNIT #9772
Auction #3236182 2001 FORD TAURUS, UNIT #9482
Auction #3236183 2006 FORD EXPEDITION 4x4 SPORT, UNIT #9834
Auction #3236185 2011 FORD CROWN VICTORIA, UNIT #10179
Auction #3236187 1999 CHEVROLET C-1500 1/2 TON TRUCK, UNIT #9378
Auction #3236188 2006 FORD EXPEDITION 4x4 SPORT, UNIT #9771
Auction #3236190 2003 CHEVROLET CAVALIER, UNIT #9648
Auction #3236191 2000 CHEVROLET C-2500 W/ UTILITY BODY, UNIT #9411
Auction #3236192 2006 FORD CROWN VICTORIA, UNIT #9851

SALE OF SURPLUS EQUIPMENT
Auction #3176542 HUNTER F111 ALIGNMENT MACHINE AND PIT RACK
Auction #3199212 TWO BLODGETT COMMERCIAL CONVECTION OVENS
Auction #3199247 TWO BLODGETT COMMERCIAL CONVECTION OVENS
Auction #3233083 ROEDIGER MOBILE BELT PRESS
Auction #3236142 2004 WHITEMAN CEMENT MIXER, UNIT #9767

AUCTIONS START Thursday, April 6, 2023
AUCTIONS END Thursday, April 27, 2023 at or after 2:00 PM

Auction Website: www.publicsurplus.com/sms/farmington,nm/browse/home.

Non-internet bids are not acceptable. Internet access is available through the Farmington Public Library. The City of Farmington reserves the right to waive technicalities, to re-advertise, re-post, to proceed otherwise when the best interest of said City will be realized hereby.
#5651913, Daily Times, April 6, 13, 2023

REQUEST FOR PROPOSALS
LEGAL SERVICES
ROCK POINT COMMUNITY SCHOOL
PO Box 560
Rock Point, Arizona 86545

This is a Request for Proposals from attorneys admitted to practice in the Navajo Nation to provide legal services to Rock Point Community School. Rock Point Community School is a contract school, tribally operated under the Navajo Nation, under a contract through PL 93-638. Rock Point Community School seeks proposals from attorneys to provide services as local counsel to the school for the SY 2023-2024, SY 2024-2025 and SY 2025-2026. Interested applicants should provide the following information:
1. Name, address, telephone, fax numbers.
2. State whether you are a sole practice or with a law firm.
3. Professional resume of applicant including bar admissions, professional experience, education, and other qualifications.
4. State whether you have been subjected to any disciplinary actions in any jurisdiction or debarment.
5. State whether you are entitled to and preference under the Navajo Nation law, including Navajo and Indian preference.
6. List three references with names and addresses and telephone numbers.
7. Bar Admissions: Applicant must be in good standing with the Navajo Nation and Arizona State Bar, since all legal matters will be subjected to Navajo Nation courts.
8. Knowledge and experience including but not limited to the following:
a. Navajo non-profit organization matters, by-laws, registration and reporting requirements, and employment laws under Navajo Nation laws.
b. Laws and regulations pertaining to federal contracts and grants, including the OMB Super Circular.
c. Knowledge and experience of the Indian Self-Determination and Education Assistance Act (PL 93-638).
d. Knowledge and experience of the Tribally Controlled Schools Act (PL 100-297).
e. Knowledge and experience of federal laws and regulations pertaining to schools funded under the Bureau of Indian Education (25 CFR 63).
f. Knowledge and experience of the Every Student Succeeds Act, as it pertains to Bureau of Indian Education funded schools.
g. Knowledge and experience of Title XI of PL 95-561, as amended.
h. Knowledge and experience of the Indian Child Protection and Family Violence Prevention Act (25 CFR 63).
9. Applicant must be within proximity to Rock Point, Arizona, within 4 hours driving distance.
a. Knowledge and experience of Individuals with Disabilities Education Act.
b. Knowledge and experience of CFR Title 25 and Title 34.
c. Knowledge and experience of laws and regulations of the Navajo Nation, and the policies under the Navajo Nation Code, Title 10.
d. Knowledge and experience of the Navajo Nation Navajo Preference Act.
10. Applicant will submit a cost proposal including:
a. State hourly rate for attorneys, paralegals, clerks and other staff applicant will work with to provide necessary legal services.
b. State the type and cost of expenses the applicant will seek reimbursement for.
c. State applicant's billing procedures and frequency of payment.
11. SELECTION CRITERIA FOR MOST QUALIFIED APPLICANT:
a. Experience and qualifications
b. Cost proposal
c. Favorable reference
d. Navajo or Indian preference.
12. Contract will be required after successful negotiation of written contract between selected applicant and the Rock Point Community School Board.
13. SUBMISSION OF PROPOSALS:
a. Sealed proposals are due no later than 5:00 p.m. on June 2, 2023, and must be signed by an authorized individual on behalf of the applicant.
b. Proposal will state "Response to Request for Proposal for Legal Services" on sealed envelope.
c. Please submit five (5) copies of the proposal.
d. Please reference "RFP 23-001" on proposal at the beginning.
e. Sealed proposals should be submitted, either mailed or hand delivered to: Deana Dugi, Chief Executive Officer, Rock Point Community School, PO Box 560, Rock Point, Arizona 86545.
f. Responses submitted after the deadline date will be returned to applicant, unopened.
#5635489, Daily Times, April 6, 13, 20, 27, May 4, 11, 18, 25, 2023

NOTICE

Harvest Four Corners, LLC announces its intent to apply to the New Mexico Environment Department (NMED) for an air quality permit modification for its natural gas compressor station known as the **32-8#2 CDP Compressor Station**. The expected date of application submittal to the Air Quality Bureau is during the week of April 10, 2023.

The exact location of the facility is latitude 36° 57' 25" and longitude -107° 39' 47" longitude in San Juan County, New Mexico, approximately 1.2 miles north-northeast of the intersection of Highway 511 and Road 4049.

The proposed modification is to add two glycol dehydration units with associated reboilers, add two 400 bbl produced water storage tanks and reduce allowable emission limits for seven compressor engines. No other changes to the permit are requested.

The station's estimated maximum quantities of any regulated air contaminants will be as follows in pounds per hour and tons per year and may change slightly during the course of the Department's review:

	Pounds Per Hour	Tons Per Year
Nitrogen Oxides (NO_X)	28.8	126.2
Carbon Monoxide (CO)	15.4	67.5
Volatile Organic Compounds (VOCs)	32.0	153.9
Particulate Matter Less Than 10 Microns (PM_{10})	1.5	6.6
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$)	1.5	6.6
Total Sum of all Hazardous Air Pollutants (HAPs)	0.4	1.8
Green House Gas Emissions as Total CO_2e	N/A	196739.6

The standard and maximum operating schedules of the facility will be from midnight to midnight, 7 days per week, and a maximum of 52 weeks per year.

The owner and/or operator of the facility is:

Harvest Four Corners, LLC, 1755 Arroyo Drive, Bloomfield, NM 87413

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

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.

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

Attencion

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

Notice of Non-Discrimination

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

General Posting of Notices – Certification

I, Oakley Hayes, the undersigned, certify that on April 10, 2023, I posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the towns of Aztec and Navajo Dam of San Juan and Rio Arriba County, State of New Mexico on the following dates:

1. 32-8#2 CDP Facility Entrance — April 10, 2023
2. Aztec Post Office, Aztec NM 7410 — April 10, 2023
3. Aztec Public Library, Aztec NM 87410 — April 10, 2023
4. Navajo Dam Post Office, Navajo Dam NM — April 10, 2023

Signed this 10th day of April, 2023.

Oakley Hayes
Signature

4/10/2023
Date

Oakley Hayes
Printed Name

Environmental Specialist – Harvest Four Corners, LLC
Title

Walter Konkel

From: Walter Konkel
Sent: Tuesday, April 11, 2023 09:19
To: skelly@americangeneralmedia.com
Cc: Oakley Hayes
Subject: Request for Public Service Announcement
Attachments: Harvest - 32-8#2 CDP - April 2023 - NSR - Public Service Announcement.pdf

Mr. Kelly - Harvest Four Corners is submitting an air quality permit application to the New Mexico Air Quality Bureau to revise the permit for their 32-8#2 CDP Compressor Station.

On behalf of Harvest, I am requesting a Public Service Announcement for the project in accordance with New Mexico air quality regulation NMAC 20.2.72.203.B.(5).

Please provide Proof of Performance to me at this email address. The PSA is attached to this email.

Please let me know if you have any questions.

Thank you for your assistance.

Walter Konkel
EcoLogic Environmental Consultants, LLC
(805) 964-7597 (office)
(805) 284-4430 (mobile)

PUBLIC SERVICE ANNOUNCEMENT

Harvest Four Corners LLC, announces its intent to apply to the New Mexico Environment Department for a revision to its air quality permit for the 32-8 #2 CDP Compressor Station, located at 36° 57' 25" latitude and -107° 39' 47" longitude in San Juan County, New Mexico, 1.2 miles north-northeast of the intersection of Highway 511 and Road 4049.

The proposed modification is to add two glycol dehydration units with associated reboilers, add two 400 bbl produced water storage tanks and reduce allowable emission limits for seven compressor engines. No other changes to the permit are requested.

Public notices were posted at the following locations:

Posting Location	Date of Posting
1. 32-8 #2 CDP Facility Entrance	April 10, 2023
2. U.S. Post Office, Aztec, NM 87410	April 10, 2023
3. Aztec Public Library, Aztec, NM 87410	April 10, 2023
4. U.S. Post Office, Navajo Dam, NM	April 10, 2023

The owner and/or operator of the facility is:

Harvest Four Corners, LLC
1755 Arroyo Drive
Bloomfield, NM 87413

Questions and comments regarding this notice may be directed to:

Program Manager, New Source Review
New Mexico Environment Department
Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, New Mexico 87505-1816
(505) 476-4300 or (800) 224-7009
https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html

Submittal of Public Service Announcement – Certification

I, Walter Konkel III, the undersigned, certify that on **April 11, 2023**, submitted a public service announcement to **KENN 1390 AM** that serves **San Juan and Rio Arriba counties**, in the state of New Mexico, in which the source is or is proposed to be located and that **KENN 1390 AM DID NOT RESPOND.**

Signed this 14th day of April, 2023,

Walter H Konkel III
Signature

04/14/2023
Date

Walter H. Konkel III
Printed Name

Consultant – EcoLogic Environmental Consultants, LLC
Title

Section 10

Written Description of the Routine Operations of the Facility

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

The 32-8#2 CDP is a production field facility that receives natural gas collected from production gathering fields via pipeline. The facility compresses the gas using compressors driven by the natural gas-fired reciprocating internal combustion engines. The natural gas stream is then routed to the TEG dehydrators, which further dehydrate the gas stream.

Storage tanks are used to store lube oil and used oil, TEG, produced water, waste water and antifreeze. Waste products are hauled off-site as required.

There are no process bottlenecks that limit production.

Other emission sources include: startups, shutdowns and routine maintenance (SSM) from the compressors and piping (Unit SSM), and fugitive emissions from process piping (valves, flanges, seals, etc.).

The facility will operate up to 24 hours per day, seven days per week, 52 weeks per year, 8,760 hours per year.

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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)**: 32-8#2 CDP**

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):

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Section 12

Section 12.A
PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

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

A. This facility is:

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

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

a. **NOx: -15.7 TPY**
b. **CO: -127.1 TPY**
c. **VOC: -18.4 TPY**
d. **SOx: +0.0 TPY**
e. **PM: +0.5 TPY**
f. **PM10: +0.5 TPY**
g. **PM2.5: +0.5 TPY**
h. **Fluorides: 0.0 TPY**
i. **Lead: 0.0 TPY**
j. **Sulfur compounds (listed in Table 2): 0.0 TPY**
k. **GHG: +9,359.2 TPY**

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Section 13

Determination of State & Federal Air Quality Regulations

This section lists each state and federal air quality regulation that may apply to your facility and/or equipment that are stationary sources of regulated air pollutants.

Not all state and federal air quality regulations are included in this list. Go to the Code of Federal Regulations (CFR) or to the Air Quality Bureau's regulation page to see the full set of air quality regulations.

Required Information for Specific Equipment:
For regulations that apply to specific source types, in the 'Justification' column **provide any information needed to determine if the regulation does or does not apply**. **For example**, to determine if emissions standards at 40 CFR 60, Subpart IIII apply to your three identical stationary engines, we need to know the construction date as defined in that regulation; the manufacturer date; the date of reconstruction or modification, if any; if they are or are not fire pump engines; if they are or are not emergency engines as defined in that regulation; their site ratings; and the cylinder displacement.

Required Information for Regulations that Apply to the Entire Facility:
See instructions in the 'Justification' column for the information that is needed to determine if an 'Entire Facility' type of regulation applies (e.g. 20.2.70 or 20.2.73 NMAC).

Regulatory Citations for Regulations That Do Not, but Could Apply:
If there is a state or federal air quality regulation that does not apply, but you have a piece of equipment in a source category for which a regulation has been promulgated, you must **provide the low level regulatory citation showing why your piece of equipment is not subject to or exempt from the regulation. For example** if you have a stationary internal combustion engine that is not subject to 40 CFR 63, Subpart ZZZZ because it is an existing 2 stroke lean burn stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, your citation would be 40 CFR 63.6590(b)(3)(i). **We don't want a discussion of every non-applicable regulation, but if it is possible a regulation could apply, explain why it does not. For example,** if your facility is a power plant, you do not need to include a citation to show that 40 CFR 60, Subpart OOO does not apply to your non-existent rock crusher.

Regulatory Citations for Emission Standards:
For each unit that is subject to an emission standard in a source specific regulation, such as 40 CFR 60, Subpart OOO or 40 CFR 63, Subpart HH, include the low level regulatory citation of that emission standard. Emission standards can be numerical emission limits, work practice standards, or other requirements such as maintenance. **Here are examples:** a glycol dehydrator is subject to the general standards at 63.764C(1)(i) through (iii); an engine is subject to 63.6601, Tables 2a and 2b; a crusher is subject to 60.672(b), Table 3 and all transfer points are subject to 60.672(e)(1)

Federally Enforceable Conditions:
All federal regulations are federally enforceable. All Air Quality Bureau State regulations are federally enforceable except for the following: affirmative defense portions at 20.2.7.6.B, 20.2.7.110(B)(15), 20.2.7.11 through 20.2.7.113, 20.2.7.115, and 20.2.7.116; 20.2.37; 20.2.42; 20.2.43; 20.2.62; 20.2.63; 20.2.86; 20.2.89; and 20.2.90 NMAC. Federally enforceable means that EPA can enforce the regulation as well as the Air Quality Bureau and federally enforceable regulations can count toward determining a facility's potential to emit (PTE) for the Title V, PSD, and nonattainment permit regulations.

INCLUDE ANY OTHER INFORMATION NEEDED TO COMPLETE AN APPLICABILITY DETERMINATION OR THAT IS RELEVENT TO YOUR FACILITY'S NOTICE OF INTENT OR PERMIT.

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

State 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	This regulation is applicable because it establishes procedures for protecting confidential information, procedures for seeking a variance, NMAQB's authority to require sampling equipment, severability, and the effective date for conformance with the NMACs, and prohibits the violation of other requirements in attempting to comply with the NMACs. Although this regulation is applicable, it does not impose any specific requirements.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Facility	This is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentrations of Total Suspended Particulates, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide.
20.2.7 NMAC	Excess Emissions	Yes	Facility	This regulation is applicable because it prohibits excess emissions unless proper notification procedures are followed.
20.2.23 NMAC	Fugitive Dust Control	No	N/A	This regulation is not applicable because the facility does not operate fugitive dust sources in areas requiring a mitigation plan in accordance with 40 CFR Part 51.930
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	This regulation is not applicable because the facility is not equipped with external gas burning equipment which have heat input rates exceeding the trigger level (one million MMBtu/year) established by the regulation (see 20.2.33.108 NMAC).
20.2.34 NMAC	Oil Burning Equipment: NO_2	No	N/A	This regulation is not applicable because the facility does not burn oil (see 20.2.34.6 NMAC).
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	No	N/A	This regulation is not applicable because the facility is not a natural gas processing plant (see 20.2.35.6 NMAC).
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	No	N/A	These regulations were repealed by the Environmental Improvement Board.
20.2.38 NMAC	Hydrocarbon Storage Facility	No	N/A	This regulation is not applicable because the facility does not store hydrocarbons containing hydrogen sulfide, nor is there a tank battery storing hydrocarbon liquids with a capacity greater than or equal to 65,000 gallons (see 20.2.38.112 NMAC).
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	This regulation is not applicable because the facility is not equipped with a sulfur recovery plant (see 20.2.39.6 NMAC).
20.2.50 NMAC	Oil and Gas Sector – Ozone Precursor Pollutants	Yes	RICE 1-9, 17-19, Dehydrators (10a-16a, 20a-21a), Compressor Seals, Fugitive Leaks (F1), Pneumatic Controllers	This regulation is applicable as it establishes emission standards for volatile organic compounds (VOC) and oxides of nitrogen (NOx) for oil and gas production, processing, compression, and transmission sources.
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	RICE 1-9, 17-19, Dehys 10b-16b, 20b-20c, 21b-21c	This regulation is applicable because the facility is equipped with stationary combustion sources. Emissions from these combustion sources are limited to less than 20% opacity (see 20.2.61.109 NMAC).

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
20.2.70 NMAC	Operating Permits	Yes	Facility	This regulation is applicable because the facility is a major source of CO and VOC emissions (see 20.2.70.200 NMAC).
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	This regulation is applicable because the facility is subject to 20.2.70 NMAC (see 20.2.71.6 NMAC).
20.2.72 NMAC	Construction Permits	Yes	Facility	This regulation is applicable because the facility has potential emission rates (PER) greater than 10 pph or 25 tpy for pollutants subject to a state or federal ambient air quality standards (does not include VOCs or HAPs).
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	The Notice of Intent requirements of this regulation were fulfilled with the construction permit application. The emissions inventory portion of this regulation is applicable since the facility is a Title V major source (see 20.2.73.300.B(1) & (2)).
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	No	N/A	This regulation is not applicable because the facility is not a PSD major source.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	This regulation is applicable because the facility is subject to 20.2.72 NMAC and it establishes the fee schedule associated with the filing of construction permits (see 20.2.75.6 NMAC).
20.2.77 NMAC	New Source Performance	Yes	3-6 & 9 8 & 19	This regulation is applicable because it adopts by reference the federal NSPS codified in 40 CFR 60 (see 20.2.77.6 NMAC). The facility is subject to 40 CFR 60.
20.2.78 NMAC	Emission Standards for HAPS	No	N/A	This regulation is not applicable because it incorporates by reference the NESHAPs codified under 40 CFR 61 (see 20.2.78.6 NMAC). The facility is not subject to 40 CFR 61.
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	This regulation is not applicable because the facility is neither located in nor has a significant impact on a nonattainment area (see 20.2.79.6 NMAC).
20.2.80 NMAC	Stack Heights	Yes	Facility	This regulation is applicable because it establishes guidelines for the selection of an appropriate stack height for the purpose of atmospheric dispersion modeling (see 20.2.80.6 NMAC).
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	10a-16a, 20a-21a	This regulation is applicable because it adopts by reference the federal MACT Standards for source categories codified in 40 CFR 63 (see 20.2.82.6 NMAC). The facility is subject to 40 CFR 63, Subpart HH.

Federal Regulations:

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 50	NAAQS	Yes	Facility	This regulation is applicable because it applies to all sources in the state of New Mexico.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	3-6 & 9 8 & 19	This regulation is applicable because the Waukesha 7044GSI engines (Units 3-6 and 9) are subject to NSPS JJJJ. Additionally, NSPS OOOOa applies due to an increase in horsepower at the site with the Waukesha 7044GSI engines. If Units 8 and/or 19 are installed, they may be subject to the subpart.
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for **Electric Utility Steam Generating Units**	No	N/A	This regulation is not applicable because there are no electric utility steam generating units at the facility.
NSPS 40 CFR60.40b Subpart Db	**Electric Utility Steam Generating Units**	No	N/A	This regulation is not applicable because there are no steam generating units at the facility.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	No	N/A	This regulation is not applicable because there are no steam generating units at the facility.
NSPS 40 CFR 60, Subpart Ka	Standards of Performance for **Storage Vessels for Petroleum Liquids** for which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and **Prior** to July 23, 1984	No	N/A	This regulation is not applicable because the storage tanks at the facility have capacities less than the minimum applicability threshold capacity of 40,000 gallons (see §60.110a(a)).
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for **Volatile Organic Liquid Storage Vessels** (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced **After** July 23, 1984	No	N/A	This regulation is not applicable because all storage tanks at the facility have capacities less than the minimum applicability threshold capacity of 75 cubic meters (19,812 gallons) or they have a capacity between 75 and 151 cubic meters (40,000 gallons) and store a liquid with a maximum true vapor pressure less than 15.0 kPa (2.2 psi) (see §60.110b(a) & §60.110b(b))).

Federal Regulations:

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
NSPS 40 CFR 60.330 Subpart GG	**Stationary Gas Turbines**	No	N/A	This regulation is not applicable because there are no stationary combustion turbines at the facility.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from **Onshore Gas Plants**	No	N/A	This regulation is not applicable because the facility is not an onshore natural gas processing plant as defined by the subpart (see §60.630(a)(1)). Natural gas processing plant (gas plant) means any processing site engaged in the extraction of natural gas liquids from field gas, fractionation of mixed natural gas liquids to natural gas products, or both (see §60.631).
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for **Onshore Natural Gas Processing**: SO_2 Emissions	No	N/A	This regulation is not applicable because the facility is not a natural gas processing plant as defined by the subpart. It is not equipped with a sweetening unit (see §60.640(a)).
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction, modification or reconstruction commenced after August 23, 2011 and before September 18, 2015	No	N/A	This regulation is not applicable because the facility is not equipped with "affected" sources that commenced construction, modification or reconstruction after August 23, 2011 and on or before September 18, 2015: gas wells, centrifugal or reciprocating compressors, pneumatic controllers, and storage vessels (see §60.5365). Note that the facility is not a natural gas processing plant as defined by the subpart (see §60.5430). Commenced construction means a continuous program of fabrication, erection or installation (see §60.2). Modification means any physical change in or change in the method of operation of an existing facility which increases emissions or results in new emissions (see §60.2). The following, by themselves, are not modifications: routine maintenance, repair or replacement, production increase without capital expenditure, increase in hours of operation, addition of emission controls, or the relocation or change in ownership of an existing facility (see §60.14). Reconstruction means the replacement of components of an existing facility such that the fixed capital cost of the new components exceeds 50 % of the fixed capital cost required to construct a comparable entirely new facility. Fixed capital cost means the capital needed to provide all the depreciable components (see §60.15).

Federal Regulations:

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
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	Reciprocating compressors, Fugitive emission components	This regulation is applicable because the facility is equipped with "affected" sources that commenced construction, modification or reconstruction after September 18, 2015: gas wells, centrifugal or **reciprocating compressors**, pneumatic controllers, storage vessels, sweetening units, pneumatic pumps, and **equipment leaks** (see §60.5365a). In particular, this regulation applies to fugitive emissions components at the facility and the compressors driven by the Waukesha 7044GSI engines. Note that the facility is not a natural gas processing plant as defined by the subpart (see §60.5430a). **See the definitions of construction, modification, and reconstruction referenced in Subpart OOOO above.**
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	NA	This regulation is not applicable because the facility is not equipped with stationary compression ignition (CI) internal combustion engines (ICE) that commenced construction after July 11, 2005 and were manufactured after April 1, 2006 (see §60.4200(a)(2)(i)). For the purpose of this subpart, construction commences on the date the engine is ordered by the owner or operator (see §60.4200(a)).
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	Yes	3-6 & 9 8 & 19	This regulation is applicable because the facility is equipped with spark ignition (SI) internal combustion engines (ICE) constructed, modified, or reconstructed after June 12, 2006. Units 1-2, 7 & 17-18 were constructed prior to the applicability date and have not been modified or reconstructed. Units 3-6 and 9 will be constructed after the applicability date and will be subject to NSPS JJJJ. If Units 8 and/or 19 are installed, the subpart may become applicable.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	This regulation is not applicable because there are no electric generating units at the facility.
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	This regulation is not applicable because there are no electric generating units at the facility.
NSPS 40 CFR 60, Subparts WWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	These regulations are not applicable as the facility is not a municipal solid waste landfill.
NESHAP 40 CFR 61 Subpart A	General Provisions	No	N/A	This regulation is not applicable because no other 40 CFR Part 61 subparts apply (see §61.01(c)).
NESHAP 40 CFR 61 Subpart E	National Emission Standards for **Mercury**	No	N/A	This regulation is not applicable because there are no stationary sources which process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, or incinerate or dry wastewater treatment plant sludge at the facility.
NESHAP 40 CFR 61 Subpart V	National Emission Standards for **Equipment Leaks**	No	N/A	This regulation is not applicable because there are no sources at the facility that operate in volatile hazardous air pollutant (VHAP) service.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
MACT 40 CFR 63, Subpart A	General Provisions	Yes	10a-16a, 20a-21a	This regulation applies because 40 CFR 63 subpart HH is applicable.
MACT 40 CFR 63.760 Subpart HH	**Oil and Natural Gas Production Facilities**	Yes	10a-16a, 20a-21a	This regulation is applicable because the facility is equipped with affected equipment. The facility is an area HAP source as defined by the subpart. Note that since it is a production field facility (located prior to the point of custody transfer), only HAP emissions from glycol dehydration units and storage vessels are aggregated for a major source determination. Storage vessels include crude oil tanks, condensate tanks, intermediate hydrocarbon liquid tanks, and produced water tanks (see §63.761). At area HAP facilities, the regulation is only applicable to dehydrators (see §63.760(b)(2)). The TEG dehydrators are located in an area that is not within an UA plus offset and UC boundary (as defined in §63.761). Under §63.764(e)(1)(ii), the owner or operator of an affected area source [TEG dehydrator] with **actual** average benzene emissions from the process vent to the atmosphere of less than 0.90 megagrams per year (~1 tpy) is exempt from the operational, recordkeeping and notification requirements in §63.764(d), provided that documentation of the exemption determination is maintained as required in §63.774(d)(1).
MACT 40 CFR 63 Subpart HHH	National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities	No	N/A	This regulation is not applicable because the facility is not a natural gas transmission and storage facility as defined by the subpart. A compressor station that transports natural gas prior to the point of custody transfer or to a natural gas processing plant (if present) are not considered a part of the natural gas transmission and storage source category (see §63.1270(a)).
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	No	N/A	This regulation is not applicable because the facility is an area HAP source as defined by the subpart (see §63.7480) and is not equipped with boilers and process heaters. For natural gas production facilities, only the HAP emissions from dehydrators and storage vessels with the potential for flash emissions are aggregated for a major source determination (see §63.7575).
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	This regulation is not applicable because there are no coal- or oil-fired electric utility steam generating units (EGUs) at the facility.

Federal Regulations:

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (**RICE MACT**)	Yes	Facility	This regulation is applicable because the facility is equipped with affected reciprocating engines. The station is a minor HAP source as defined by the subpart. For production field facilities, only HAP emissions from engines, turbines, dehydrators, and storage vessels with the potential for flash emissions are aggregated for the HAP major source determination (see §63.6675). Units 1-2, 7 & 17-18 are 4-stroke, lean burn (4SLB) spark ignition (SI) RICE with a site rating of more than 500 hp and were constructed prior to December 19, 2002. Under §63.6603(a), existing 4SLB stationary RICE with site rating of more than 500 hp located at area HAP sources are subject to work practice standards. If Units 8 & 19 are installed, they may also be subject to work practice standards. Units 3-6 and 9 are 4-stroke rich burn (4SRB) spark ignition RICE and constructed after June 12, 2006. Under §63.6590(c), new or reconstructed stationary RICE located at an area source must meet the requirements of NSPS JJJJ.
40 CFR 64	**Compliance Assurance Monitoring**	Yes	3-6 & 9	This regulation is applicable because the Waukesha 7044GSI engines have pre-controlled emissions equal to or exceeding the major source threshold (100 tons per year). (see §64.2(a)). **Note, however, that because the Waukesha 7044GSI engines are subject to NSPS Subpart JJJJ, they are exempt from CAM requirements (see §64.2(b)(1)(i)).**
40 CFR 68	**Chemical Accident Prevention**	No	N/A	This regulation is not applicable because the facility does not store any of the identified toxic and flammable substances in quantities exceeding the applicability thresholds (see §68.10(a), §68.115(a), and §68.130 Tables 1-4).
Title IV – Acid Rain 40 CFR 72	**Acid Rain**	No	N/A	This regulation is not applicable because the facility does not generate commercial electric power or electric power for sale.
Title IV – Acid Rain 40 CFR 73	**Sulfur Dioxide** Allowance Emissions	No	N/A	This regulation is not applicable because the facility does not generate commercial electric power or electric power for sale.
Title IV-Acid Rain 40 CFR 75	**Continuous Emissions Monitoring**	No	N/A	This regulation is not applicable because the facility does not generate commercial electric power or electric power for sale.
Title IV – Acid Rain 40 CFR 76	**Acid Rain** Nitrogen Oxides **Emission Reduction Program**	No	N/A	This regulation is not applicable because the facility does not generate commercial electric power or electric power for sale.
Title VI – 40 CFR 82	Protection of **Stratospheric Ozone**	No	N/A	This regulation is not applicable because the facility does not produce, transform, destroy, import, or export ozone-depleting substances (see §82.1(b),); does not service motor vehicle air conditioning units (see §82.30(b)); and does not sell, distribute, or offer for sale or distribution any product that contains ozone-depleting substances (see §82.64).

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

☑ **Title V Sources** (20.2.70 NMAC)**:** By checking this box and certifying this application the permittee certifies that it has developed an **Operational Plan to Mitigate Emissions During Startups, Shutdowns, and Emergencies** defining the measures to be taken to mitigate source emissions during startups, shutdowns, and emergencies as required by 20.2.70.300.D.5(f) and (g) NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.

☑ **NSR** (20.2.72 NMAC)**, PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources:** By checking this box and certifying this application the permittee certifies that it has developed an **Operational Plan to Mitigate Source Emissions During Malfunction, Startup, or Shutdown** defining the measures to be taken to mitigate source emissions during malfunction, startup, or shutdown as required by 20.2.72.203.A.5 NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.

☑ **Title V** (20.2.70 NMAC)**, NSR** (20.2.72 NMAC)**, PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources:** By checking this box and certifying this application the permittee certifies that it has established and implemented a Plan to Minimize Emissions During Routine or Predictable Startup, Shutdown, and Scheduled Maintenance through work practice standards and good air pollution control practices as required by 20.2.7.14.A and B NMAC. This plan shall be kept on site or at the nearest field office to be made available to the Department upon request. This plan should not be submitted with this application.

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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.

Not applicable, as there are no alternative operating scenarios at this facility.

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Section 16

Air Dispersion Modeling

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

What is the purpose of this application?	Enter an X for each purpose that applies
New PSD major source or PSD major modification (20.2.74 NMAC). See #1 above.	
New Minor Source or significant permit revision under 20.2.72 NMAC (20.2.72.219.D NMAC). See #1 above. **Note:** Neither modeling nor a modeling waiver is required for VOC emissions.	
Reporting existing pollutants that were not previously reported.	
Reporting existing pollutants where the ambient impact is being addressed for the first time.	
Title V application (new, renewal, significant, or minor modification. 20.2.70 NMAC). See #3 above.	
Relocation (20.2.72.202.B.4 or 72.202.D.3.c NMAC)	
Minor Source Technical Permit Revision 20.2.72.219.B.1.d.vi NMAC for like-kind unit replacements.	
Other: i.e. SSM modeling. See #2 above.	
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.	
Significant Permit Revision 20.2.72.219.D(1) NMAC	**X**

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.

Note: The following modeling waiver was approved by Eric Peters in February 2023. Since approval of the modeling waiver, Harvest has proposed additional changes at the site resulting in additional emission reductions (installation of controls on the reciprocating engines).

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

Phone: (505) 476-4300
Fax: (505) 476-4375
www.env.nm.gov/aqb/

For Department use only:

Approved by: Eric Peters

Date: February 20, 2023

Air Dispersion Modeling Waiver Request Form

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

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

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

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

Section 1 and Table 1: Contact and facility information:

Contact name	Walter Konkel III
E-mail Address:	wkonkel@elogicllc.com
Phone	805-964-7597
Facility Name	32-8#2 Central Delivery Point
Air Quality Permit Number(s)	1033-M6
Agency Interest Number (if known)	1236
Latitude and longitude of facility (decimal degrees)	36.9569, -107.6631

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

Harvest Midstream is proposing to modify their 32-8#2 CDP by adding two dehydrators with associated reboilers, two 400 bbl produced water storage tanks and decreasing emission limits for the existing Waukesha 7044GSI compressor engines to meet the NMED ozone rule standards. The project results in a decrease in NOx and CO emissions and negligible increase in SO2, PM10 and PM2.5 emissions. Dispersion modeling conducted in May 2022 demonstrated compliance with all ambient air quality standards and increments. As NOx and CO emissions are decreasing, and because modeled PM concentrations were well below standards, a modeling waiver is requested for the project.

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

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

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

Pollutant	Pollutant is not emitted at the facility and modeling or waiver are not required.	Pollutant does not increase in emission rate at any emission unit (based on levels currently in the permit) and stack parameters are unchanged. Modeling or waiver are not required.	Stack parameters or stack location has changed.	Pollutant is new to the permit, but already emitted at the facility.	Pollutant is increased at any emission unit (based on levels currently in the permit).	A modeling waiver is being requested for this pollutant.	Modeling for this pollutant will be included in the permit application.
CO						**X**	
NO_2						**X**	
SO_2						**X**	
PM10						**X**	
PM2.5						**X**	
H_2S	**X**						
Reduced S	**X**						
O_3 (PSD only)	**X**						
Pb	**X**						

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

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

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

Table 3: List of Pollutants with very low facility-wide emission rates

Pollutant	Requested Allowable Emission Rate From Facility (pounds/hour)	Release Type (select "all from stacks >20 ft" or "other")	Waiver Threshold (from appendix 2) (lb/hr)
SO2	0.08	All from stacks > 20 feet	2.0

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

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

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

Pollutant	Averaging period	Proposed emission rate (pounds/hour)	Previously modeled emission rate (pounds/hour)	Proposed minus modeled emissions (lb/hr)	Modeled percent of standard or increment	Year modeled
NO2	1-hr and annual	28.8	32.1	-3.3	96.0	
CO	1-hr and 8-hr	30.7	44.1	-13.4	No sig impacts	
PM10	24-hr and annual	1.49	1.3	0.19	No sig impacts	
PM2.5	24-hr and annual	1.49	1.3	0.19	39.4	

Section 4, Table 5: Questions about previous modeling:

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

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

Previously modeled 1-hr NO2 concentrations were above 95 percent of the standard; however, NOx emissions are decreasing with the proposed project and this will result in lower modeled 1-hour NO2 concentrations.

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

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

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

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

Section 6: New Mexico Toxic air pollutants – 20.2.72.400 NMAC

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

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

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

Table 6: New Mexico Toxic Air Pollutants emitted at the facility

If requesting a waiver for any NMTAP, all NMTAPs from this facility must be listed in Table 3 regardless if a modeling waiver is requested for that pollutant or if the pollutant emission rate is subject to the proposed permit changes.

Pollutant	Requested Allowable Emission Rate (pounds/hour)	Release Height (Meters)	Correction Factor	Allowable Emission Rate Divided by Correction Factor	Emission Rate Screening Level (pounds/hour)
Ammonia					1.20
Asphalt (petroleum) fumes					0.333
Carbon black					0.233
Chromium metal					0.0333
Glutaraldehyde					0.0467
Nickel Metal					0.0667
Wood dust (certain hard woods as beech & oak)					0.0667
Wood dust (soft wood)					0.333
(add additional toxics if they are present)					

Section 7: Approval or Disapproval of Modeling Waiver

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

This waiver is issued for CO, NO_2, SO_2, PM10, and PM2.5.

Notes:
NO_2 modeling used refined background concentrations and was close to the standards, but the background concentrations that were used are from the same years as the latest background concentrations in the NM Modeling Guidelines, so they are still current. The NO_2 waiver is granted because the background concentrations are still valid, the emissions are being reduced, and the dispersion is at least as good as previously modeled.

PM concentrations increases are low and previous modeling including background were well below half of the standards. Scaling the results using the most conservative of assumptions clearly results in concentrations below the air quality standards.

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

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

Appendix 2. Very small emission rate modeling waiver requirements

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

Pollutant	If all emissions come from stacks 20 feet or greater in height and there are no horizontal stacks or raincaps (lb/hr)	If not all emissions come from stacks 20 feet or greater in height, or there are horizontal stacks, raincaps, volume, or area sources (lb/hr)
CO	50	2
H_2S (Pecos-Permian Basin)	0.1	0.02
H_2S (Not in Pecos-Permian Basin)	0.01	0.002
Lead	No waiver	No waiver
NO_2	2	0.025
PM2.5	0.3	0.015
PM10	1.0	0.05
SO_2	2	0.025
Reduced sulfur (Pecos-Permian Basin)	0.033	No waiver
Reduced sulfur (Not in Pecos-Permian Basin)	No waiver	No waiver

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Section 17

Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

Compliance Test History Table

Unit No.	Test Description	Test Date
1	NOX and CO testing in accordance with Condition 201.A	08/02/2021
2	NOX and CO testing in accordance with Condition 201.A	08/02/2021
3	NOX and CO testing in accordance with Condition 201.A	08/03/2021
4	NOX and CO testing in accordance with Condition 201.A	08/03/2021
5	NOX and CO testing in accordance with Condition 201.A	08/04/2021
6	NOX and CO testing in accordance with Condition 201.A	07/09/2021
7	NOX and CO testing in accordance with Condition 201.A	04/07/2011
8	NOX and CO testing in accordance with Condition 201.A	Not Installed
9	NOX and CO testing in accordance with Condition 201.A	11/01/2021
17	NOX and CO testing in accordance with Condition 201.A	11/01/2021
18	NOX and CO testing in accordance with Condition 201.A	11/01/2021
19	NOX and CO testing in accordance with Condition 201.A	Not Installed
1,2	Tested in accordance with EPA test methods for NOx and CO as required by Title V permit P500.	4/13/2004
3	Tested in accordance with EPA test methods for NOx and CO as required by NSR permit 2923M1.	5/12/2005

Unit 7 has not operated for many years.

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Section 18

Addendum for Streamline Applications

Do not print this section unless this is a streamline application.

Streamline Applications do not require a complete application. Submit Sections 1-A, 1-B, 1-D, 1-F, 1-G, 2-A, 2-C thru L, Sections 3 thru 8, Section 13, Section 18, Section 22, and Section 23 (Certification). Other sections may be required at the discretion of the Department. 20.2.72.202 NMAC Exemptions do not apply to Streamline sources. 20.2.72.219 NMAC revisions and modifications do not apply to Streamline sources, thus 20.2.72.219 type actions require a complete new application submittal. Please do not print sections of a streamline application that are not required.

Not applicable, as this is not a streamline application.

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Section 19

Requirements for Title V Program

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

Who Must Use this Attachment:

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

Not applicable as this is not a Title V permit application.

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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.

Not applicable, as no other relevant information is being provided.

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Section 21

Addendum for Landfill Applications

Do not print this section unless this is a landfill application.

Landfill Applications are not required to complete Sections 1-C Input Capacity and Production Rate, 1-E Operating Schedule, 17 Compliance Test History, and 18 Streamline Applications. Section 12 – PSD Applicability is required only for Landfills with Gas Collection and Control Systems and/or landfills with other non-fugitive stationary sources of air emissions such as engines, turbines, boilers, heaters. All other Sections of the Universal Application Form are required.

EPA Background Information for MSW Landfill Air Quality Regulations: www.epa.gov/stationary-sources-air-pollution/clean-air-act-guidelines-and-standards-waste-management

NM Solid Waste Bureau Website: www.env.nm.gov/solid-waste/

Not applicable, as the facility is not a landfill.

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Section 22: Certification

Company Name: Harvest Four Corners, LLC

I, Oakley Hayes, 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 10th day of April, 2023, upon my oath or affirmation, before a notary of the State of New Mexico.

Oakley Hayes
*Signature

4/10/2023
Date

Oakley Hayes
Printed Name

Environmental Specialist
Title

Scribed and sworn before me on this 10th day of April, 2023.

My authorization as a notary of the State of New Mexico expires on the 23 day of November, 2025.

Jennifer Deal
Notary's Signature

4/10/2023
Date

Jennifer Deal
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.

STATE OF NEW MEXICO
NOTARY PUBLIC
JENNIFER DEAL
COMMISSION # 1136075
COMMISSION EXPIRES 11/23/2025

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