

13201 NW Freeway, Suite 220 Houston, Texas 77040 T 713.533.8511 F 346.651.1985 www.eosolutions.net

December 31, 2024

FedEx No.: 771135863750

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

Re: NSR Permit No. 39-M10 Revision Application DCP Operating Company, LP Linam Ranch Gas Plant Lea County, New Mexico Tempo No.: 589-PRN20200002 AIRs No. 35 0250035

Dear Sir/Madam,

On behalf of DCP Operating Company, LP, Environmental Operational Solutions, LLC "EOSolutions" is submitting the enclosed NSR Permit No. 39-M10 revision application to address the following:

- 1) Retrofit the existing two (2) turbine engines (Unit IDs 30 and 32B) with SoLoNOx controls to meet the Regional Haze rules of NM.
- 2) Increase these two turbines' engines rated horsepower (HP) that is a direct result of the SoLoNox control upgrade.

There are no physical changes occurring at the plant site apart from the installation of the SoLoNOx controls. The processing rate of the plant remains the same, and there is no new processing equipment being added nor are any new emissions sources being installed with this permit revision.

The enclosed NSR permit revision application (original and a copy) includes all the required New Mexico Environment Department's forms and supporting documents along with the required \$500 permit application filing fee. Additionally, the electronic files of the application are provided in required formats in duplicate on two separate CDs.

NSR Permit No. 39-M10 Revision Application DCP Operating Company, LP Linam Ranch Gas Plant Lea County, New Mexico Tempo No.: 589-PRN20200002 AIRs No. 35 0250035 December 31, 2024 Page 2 of 2

Thank you in advance for your consideration of this application. We request that EOSolutions be copied on any correspondence regarding this registration, including final action. If you have any questions or comments, please contact me directly at (713) 983-0112 or via email at elena.hofmann@eosolutions.net.

Sincerely,

Elena L. Hofmann President

Enclosures





Significant Revision (PSD Minor Modification) to NSR Permit 39-M10

DCP Operating Company, LP Linam Ranch Gas Plant Hobbs, Lea County, NM Agency No. 589 AIRS No: 35 0250035

December 2024

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Section 1 General Facility Information

DCP Operating Company, LP (DCP) owns and operates the Linam Ranch Gas Plant (Linam Ranch GP), a natural gas processing plant, located in Lea County, New Mexico approximately 7 miles west of Hobbs. The plant is currently operating under New Source Review (NSR) Permit 0039-M9 and Title V permit P094-R3. Key operations and processing units at the facility include natural gas compression, a gas sweetening unit, a dehydration unit, and a natural gas liquids extraction unit. Additionally, the acid gas generated during the sweetening is directed to a dedicated acid gas injection well.

DCP is submitting this significant revision (PSD minor modification) permit application (pursuant to 20.2.72.219.D.(1)(a) NMAC) to revise its current Air Quality NSR Permit No. 0039-M10 for Linam Ranch Gas Plant. While the plant is currently operating under 0039-M9, DCP expects 0039-M10 to be issued imminently.

The proposed modification consists of the following updates to permit representations:

- 1) Retrofit the existing two (2) turbine engines (Unit IDs 30 and 32B) with SoLoNOx controls to meet the Regional Haze rules of NM.
- 2) Increase these two turbines' engines rated horsepower (HP) that is a direct result of the SoLoNox control upgrade.

There are no physical changes occurring at the plant site apart from the installation of the SoLoNOx controls. The processing rate of the plant remains the same, and there is no new processing equipment being added nor are any new emissions sources being installed with this permit revision.



	Table 1-1 Project Requested Allowable Emissions (Represented in NMED Table 2-E) DCP Operating Company, LP Linam Ranch Gas Plant Lea County, New Mexico												
11	Source Description	N	O _x	C	0	V	VOC SO ₂		O ₂	PM ₁₀		PM _{2.5}	
onit #	Source Description	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
Proposed Emissi	ions												
30	Turbine	4.64	18.31	4.71	18.57	0.24	0.96	0.05	0.21	0.510	2.02	0.51	2.02
32B	Turbine	3.98	15.77	4.85	19.23	0.13	0.50	0.03	0.11	0.262	1.05	0.26	1.05
Existing Allowab	le Emissions												
30	Turbine	11.26	49.32	9.02	39.51	0.31	1.36	0.25	1.10	0.488	2.14	0.488	2.14
32B	Turbine	23.72	103.88	4.38	19.19	2.50	10.94	0.12	0.54	0.239	1.05	0.239	1.05
	REVISED PROJECT EMISSION TOTALS	8.62	34.08	9.56	37.80	0.37	1.45	0.08	0.33	0.772	3.073	0.772	3.073
	BASELINE ACTUAL EMISSIONS TOTALS (1)		146.90		57.06		11.69		1.59		3.093		3.093
EXISTING ALLOWABLE EMISSION TOTALS		34.98		13.40		2.81		0.37		0.727		0.727	
EMISSIONS INCREASES		-26.36	-112.82	-3.84	-19.27	-2.44	-10.24	-0.29	-1.27	0.045	-0.020	0.045	-0.020
PSD Significance Level			40		100		40		40		15		10
	Exceeds Thresholds? No No No No No No No					No							

(1) Baseline actual emissions are the average of actual emissions in 2014 and 2015, the baseline years.

Table 1-2 Site Information DCP Operating Company, LP Linam Ranch Gas Plant Lea County, New Mexico

Administrative Information				
Organization Name: DCP Operating Company, LP				
Facility Name: Linam Ranch Gas Plant				
Agency ID (NMED Facility ID):	589			
Nearest City/Town:	Hobbs,			
The facility is 7 miles West of Hobb				
County:	L	ea		
Elevation (feet):	3,7	710		
Location (UTM Zone 13):	660741 UTM E 3618806 UTI			
Location (dec deg):	32.695278°N	-103.285278°W		
Permit/NOI/NPR Number:	39-M9			

Proposed Facility Input Capacity and Production Rates					
	Hourly:	240.00	bbl/hr		
Oil/Condensate	Daily:	5,760	bbl/d		
	Annually:	2,102,400	bbl/yr		
	Hourly:	9.44	MMSCF/h		
Natural Gas	Daily:	227	MMSCF/d		
	Annually:	82,694	MMSCF/y		
	Hourly:	0.11	bbl/hr		
Produced Water	Daily:	3	bbl/d		
	Annually:	1,000	bbl/yr		

Mail Application To:

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

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



Universal Air Quality Permit Application

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

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

 This application is submitted as (check all that apply):
 Request for a No Permit Required Determination (no fee)

 Updating an application currently under NMED review.
 Include this page and all pages that are being updated (no fee required).

 Construction Status:
 Not Constructed
 Existing Permitted (or NOI) Facility
 Existing Non-permitted (or NOI) Facility

 Minor Source:
 NOI 20.2.73 NMAC
 20.2.72 NMAC application or revision
 20.2.72.300 NMAC Streamline application

 Title V Source:
 Title V (new)
 Title V renewal
 TV minor mod.
 TV significant mod.
 TV Acid Rain:
 New
 Renewal

 PSD Major Source:
 PSD major source (new)
 Minor Modification to a PSD source
 a PSD major modification

Acknowledgements:

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

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

Check No.: in the amount of \$500

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

I acknowledge there is an annual fee for permits in addition to the permit review fee: <u>www.env.nm.gov/air-quality/permit-fees-</u> <u>2/.</u>

This facility qualifies for the small business fee reduction per 20.2.75.11.C. NMAC. The full \$500.00 filing fee is included with this application and I understand the fee reduction will be calculated in the balance due invoice. The Small Business Certification Form has been previously submitted or is included with this application. (Small Business Environmental Assistance Program Information: www.env.nm.gov/air-quality/small-biz-eap-2/.)

Citation: Please provide the **low level citation** under which this application is being submitted: **20.2.72.219.D.(1)(a) NMAC** (e.g. application for a new minor source would be 20.2.72.200.A NMAC, one example for a Technical Permit Revision is 20.2.72.219.B.1.b NMAC, a Title V acid rain application would be: 20.2.70.200.C NMAC)

Section 1 – Facility Information

Sec	tion 1-A: Company Information	AI # if known: 589	Updating Permit/NOI #: 39-M10		
1	Facility Name:	Plant primary SIC Code (4 digits): 1321			
1		Plant NAIC code (6 digits): 211130			
а	 Facility Street Address (If no facility street address, provide directions from a prominent landmark): From Hobbs, NM trave 7 miles west on Hwy 62/180. Plant is adjacent to highway on the south. 				
2 Plant Operator Company Name: DCP Operating Company, LP Phone/Fax: 832-765-34			144		
а	Plant Operator Address: 2331 CityWest Blvd., Houston, TX 77042				

b	b Plant Operator's New Mexico Corporate ID or Tax ID: 036785					
3	Plant Owner(s) name(s): DCP Operating Company, LP			Phone/Fax: 832-765-3444		
а	Plant Owner(s) Mailing Address(s): 2331 CityWest Blvd., Houston, TX 77042					
4	Bill To (Company): DCP Operating Company, LP			Phone/Fax: 832-765-3444		
а	Mailing Address: 2331 CityWest Blvd., Houston, TX 770)42		E-mail: steve.torpey@p66.com		
5	 Preparer: Consultant: Elena Hofmann 			Phone/Fax: 713-983-0112/346-651-1985		
а	Mailing Address: 13201 NW Freeway, #220, Houston, T	TX 77040		E-mail: elena.hofmann@eosolutions.net		
6	Plant Operator Contact: Mr. Nick Case			Phone/Fax: 575-677-5225		
а	Address: 2331 CityWest Blvd., HQ-08N-N860-3, Houston, TX 77042			E-mail: Nicholas.l.case@p66.com		
7	Air Permit Contact: Mr. Steven R. Torpey			Title: Senior Air Permitting Engineer		
а	E-mail: steve.torpey@p66.com			Phone/Fax: 832-765-3444/832-765-9844		
b	Mailing Address: 2331 CityWest Blvd., HQ-08N-N860-3	, Houston, TX	77042	2		
с	The designated Air permit Contact will receive all offici	al corresponde	ence (i.e. letters, permits) from the Air Quality Bureau.		
Sec	tion 1-B: Current Facility Status					
1.a	Has this facility already been constructed? Yes No			.b If yes to question 1.a, is it currently operating in lew Mexico?		
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? TYes XNo If yes, give month and year of shut down (MM/YY):					
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? 🛛 Yes 🔲 No					

5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC	C) or the capacity increased since 8/31/1972?			
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? ☑ Yes □ No	If yes, the permit No. is: P094-R3			
7	Has this facility been issued a No Permit Required (NPR)? ☐ Yes ⊠ No	If yes, the NPR No. is:			
8	Has this facility been issued a Notice of Intent (NOI)? 🔲 Yes 🛛 No	If yes, the NOI No. is:			
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? ☑ Yes □ No	If yes, the permit No. is: 39-M9			
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? ☐ Yes ⊠ No	If yes, the register No. is:			

Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)					
а	a Current Hourly: 9.44 MMscf (actual) Daily: 227 MMscf (approximate) Annually: 8			Annually: 82,694 MMscf (approximate)		
b	b Proposed Hourly: * Daily: * Annually: *					
2	What is the facility's maximum production rate, specify units (reference here and list capacities in Section 20, if more room is required)					
а	a Current Hourly: 9.44 MMscf (actual) Daily: 227 MMscf (approximate) Annually: 82,694 MMscf (approximat			Annually: 82,694 MMscf (approximate)		
b	Proposed	Hourly: *	Daily: *	Annually: *		

Section 1-D: Facility Location Information

1	Latitude (decimal degrees): 32.695278	Longitude (decimal degrees): -103.285278		County: Lea	Elevation (ft): 3,710	
2	UTM Zone: 🔲 12 or 🔀 13		Datum: 🗌 NAD 83 🛛	VGS	84	
а	UTM E (in meters, to nearest 10 meters): 660,74	1 mE	UTM N (in meters, to nearest 10 m	eters)	: 3,618,806 mN	
3	Name and zip code of nearest New Mexic	o town: Hob	bs, NM, 88240			
4	Detailed Driving Instructions from nearest on Hwy 62/180. Plant is adjacent to the hi	: NM town (a ighway on th	attach a road map if necessary) ie south side.	Froi	m Hobbs, NM, tra	vel 7 miles west
5	The facility is 7 miles west of Hobbs, NM 8	38240				
6	Land Status of facility (check one): 🔀 Pri	vate 🔲 Ind	ian/Pueblo 🔲 Government [В	LM 🗌 Forest Se	rvice 🔲 Military
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: Municipality: Hobbs, NM, County: Eddy 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 <u>www.env.nm.gov/air-quality/modeling-publications/</u>)?					
9	Name nearest Class I area: Carlsbad Caver	ns National	Park			
10	Shortest distance (in km) from facility bou	indary to the	boundary of the nearest Class	l are	a (to the nearest 10 n	neters): ~110 Km
11	Distance (meters) from the perimeter of t lands, including mining overburden remov	he Area of C val areas) to	perations (AO is defined as the nearest residence, school or oc	plar cupi	it site inclusive of ed structure: 220	all disturbed m
12	Method(s) used to delineate the Restricted Area: Continuous Fencing "Restricted Area" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.					
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? 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?					

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 ($\frac{hours}{day}$): 24	(<mark>days</mark> (week	(weeks year): 52	(<u>hours</u>): 8,760	
2	Facility's maximum daily operating schedule (if less	than 24 hours day)? Start: NA	□AM □PM	End: NA	AM PM
3	Month and year of anticipated start of construction: 7/1/2025				
4	Month and year of anticipated construction completion: 10/1/2025				
5	Month and year of anticipated startup of new or modified facility: 1/1/2026				
6	Will this facility operate at this site for more than o	ne 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?

 1
 No

 1
 If yes, specify: NOV # DCP-0589-2101

а	a If yes, NOV date or description of issue: 04/24/2020			NOV Tracking No: DCP-0589-2101	
b	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:				
С	c Document Title: NA Date: NA Requirement # (or page # and paragraph #): NA			nent # (or nd paragraph #): NA	
d	d Provide the required text to be inserted in this permit:				
2	Is air quality dispersion modeling or modeling waiver being submitted with this application? Xes 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				
а	If Yes, what type of source? \square Major ($\square \ge 10$ tpy of any single HAP OR $\square \ge 25$ tpy of any combination of HAPS) OR \square Minor ($\square < 10$ tpy of any single HAP AND $\square < 25$ tpy of any combination of HAPS)				
5	Is any unit exempt under 20.2.72.202.B.3 NMAC? Yes No				
	If yes, include the name of company providing commercial electric power to the facility:				
a Commercial power is purchased from a commercial utility company, which specifically does not include power on site for the sole purpose of the user.				oes not include power generated	

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 (T	his 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): Mr. David Jos	Phone: 720-320-5616			
а	R.O. Title: Vice President, Region Ops - Permian	R.O. e-mail: david.m.jost@p66.com			
b	b R. O. Address: 2331 CityWest Blvd, Houston, Texas 77042				
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): Mr. Scot Millican Phone: 575-234-6441				
а	A. R.O. Title: Manager, South G&P Region	A. R.O. e-mail: sco	t.a.millican@p66.com		
b	b A. R. O. Address: 1925 Illinois Camp Road, Artesia, NM 88210				
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): NA				
4	Name of Parent Company ("Parent Company" means the primary permitted wholly or in part.): Phillips 66	name of the organiz	ation that owns the company to be		
а	Address of Parent Company: 2331 CityWest Blvd, Houston, Texas	77042			
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.): NA				
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations: NA				
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: NA				

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:

- One hard copy original signed and notarized application package printed double sided 'head-to-toe' <u>2-hole punched</u> 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 <u>copy</u> should be printed in book form, 3-hole punched, and <u>must be double sided</u>. 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 <u>summary report only</u> should be submitted as hard copy(ies) unless otherwise indicated by the Bureau.
- 6) If the applicant submits the electronic files on CD and the application is subject to PSD review under 20.2.74 NMAC (PSD) or NNSR under 20.2.79 NMC include,
 - a. one additional CD copy for US EPA,
 - b. one additional CD copy for each federal land manager affected (NPS, USFS, FWS, USDI) and,
 - c. one additional CD copy for each affected regulatory agency other than the Air Quality Bureau.

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

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

- 1) All required electronic documents shall be submitted as 2 separate CDs or submitted through the AQB secure file transfer service. Submit a single PDF document of the entire application as submitted and the individual documents comprising the application.
- 2) The documents should also be submitted in Microsoft Office compatible file format (Word, Excel, etc.) allowing us to access the

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

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

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- Section 5: Plot Plan Drawn to Scale
- Section 6: All Calculations
- Section 7: Information Used to Determine Emissions
- Section 8: Map(s)
- Section 9: Proof of Public Notice
- Section 10: Written Description of the Routine Operations of the Facility
- Section 11: Source Determination
- Section 12: PSD Applicability Determination for All Sources & Special Requirements for a PSD Application
- Section 13: Discussion Demonstrating Compliance with Each Applicable State & Federal Regulation
- Section 14: Operational Plan to Mitigate Emissions
- Section 15: Alternative Operating Scenarios
- Section 16: Air Dispersion Modeling
- Section 17: Compliance Test History
- Section 18: Addendum for Streamline Applications (streamline applications only)
- Section 19: Requirements for the Title V (20.2.70 NMAC) Program (Title V applications only)
- Section 20: Other Relevant Information
- Section 21: Addendum for Landfill Applications
- Section 22: Certification Page

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MEMO:	New Mex 525 Cam Suite 1 Sante Fe Agency ID: NSR Permi	ico Enviro ino de los , NM 875 589 DCP t 39-M10 F	nmental Department, Marquez 05-1816 Operating Company, Revision App for DCP	AQB LP: Linar	n Ranch	Am	Ц. Долновреданнато	The second
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Section 2 Tables

This section contains universal air quality permit application Tables 2-A through 2-P.



 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.

					Manufact- urer's Rated	Requested Permitted	Date of Manufacture ²	Controlled by Unit #	Source Classi-			RICE	Dentedan
Unit Number ¹	Source Description	Make	Model #	Serial #	Capacity ³ (Specify Units)	Capacity ³ (Specify Units)	Date of Construction/ Reconstruction ²	Emissions vented to Stack #	fication Code (SCC)	For Each Piece of Eq	uipment, Check One	(CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Unit No.
2	Amine Plant Flare	Elene Kin e		NT/A	1.2	1.2	2005	N/A	21000205	Existing (unchanged)	To be Removed	NI/A	NI/A
2	East	Flare King	N/A	IN/A	MMBtu/hr	MMBtu/hr	2005	2	31000205	To Be Modified	To be Replaced	IN/A	IN/A
4.4		11 7 1	27/4	NT/A	3.2	3.2	2006	N/A	21000200	Existing (unchanged)	To be Removed	NT/ A	21/4
4A	ESD Flare	John Zink	N/A	IN/A	MMBtu/hr	MMBtu/hr	2008	4A	31000209	To Be Modified	To be Replaced	N/A	IN/A
6		Chat		72770	2 000 110	2 000 110	1974 or before	N/A	20200252	Existing (unchanged)	To be Removed	2GI D	
0	2SLB RICE	Clark	ILA-0	13119	2,000 HP	2,000 HP	1974	6	20200252	To Be Modified	To be Replaced	2SLB	IN/A
7	2SLD DICE	Clust		72790	2 000 110	2 000 110	1974 or before	N/A	20200252	Existing (unchanged)	To be Removed	201 D	
/	25LB RICE	Clark	ILA-0	/3/80	2,000 HP	2,000 HP	1974	7	20200232	To Be Modified	To be Replaced	ZSLB	IN/A
10	2SLD DICE	Clark		26280	1 267 UD	1 267 JID	1951	N/A	20200252	Existing (unchanged)	To be Removed	251 D	NI/A
10	25LB RICE	Clark	пва-о	30289	1,207 HP	1,207 пр	1954	10	20200232	To Be Modified	To be Replaced	ZSLB	IN/A
11	2SLD DICE	Clark		26202	1 267 UD	1 267 JID	1951	N/A	20200252	Existing (unchanged)	To be Removed	251 D	NI/A
11	25LB RICE	Clark	пва-о	30303	1,207 HP	1,207 пр	1954	11	20200232	To Be Modified	To be Replaced	ZSLB	IN/A
28	Turkina	Solar	т 60	TC12227	63.4	63.4	2011	N/A	20200201	Existing (unchanged) Naw (A dditional	To be Removed	N/A	NI/A
28	Turbine	50181	1-00	1012227	MMBtu/hr	MMBtu/hr	2012	28	20200201	To Be Modified	To be Replaced	IN/A	IN/A
20	Turkina	Solar	т 70	TC05502	77.6	77.6	1995	N/A	20200201	Existing (unchanged) New/Additional	To be Removed	N/A	NI/A
29	Turbine	50181	1-70	1095592	MMBtu/hr	MMBtu/hr	1995	29	20200201	To Be Modified	To be Replaced	IN/A	IN/A
30	Turbina	Solar	т 70	TC05503	77.20	77.20	1995	N/A	20200201	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit	N/A	N/A
50	Turbine	50141	1-70	1095595	MMBtu/hr	MMBtu/hr	1995	30	20200201	☑ To Be Modified	To be Replaced	IN/A	IN/A
21	Turbina	Solar	т 4700	DCC0050	36.8	36.8	1995	N/A	20200201	Existing (unchanged) New/Additional	To be Removed	N/A	N/A
51	Turbine	Solai	1-4700	DCC0050	MMBtu/hr	MMBtu/hr	1995	31	20200201	To Be Modified	To be Replaced	IN/A	IN/A
32B	Turbine	Solar	T-4000	CM70453	39.73	39.73	1979	N/A	20200201	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit	N/A	N/A
520	Turbine	50141	1-4000	CW177455	MMBtu/hr	MMBtu/hr	1995	32B	20200201	☑ To Be Modified	To be Replaced	11/74	IVA
34	Regenerator Heater	Heatec	Heater	H191_005	15	15	1991	N/A	31000404	Existing (unchanged) New/Additional	To be Removed Replacement Unit	N/A	N/A
J 1	Regenerator freater	Ileatee	Treatec	11171-095	MMBtu/hr	MMBtu/hr	1995	34	51000404	To Be Modified	To be Replaced	IN/A	11/74
36	Boiler	Rentech/Zinc	N/A	90/19307	99	99	2005	N/A	31000404	Existing (unchanged) New/Additional	To be Removed Replacement Unit	N/A	N/A
30	Doller	Boiler Rentech/Zinc N/A 90493	704730/	MMBtu/hr	MMBtu/hr	2006	36	51000404	To Be Modified	To be Replaced	IN/A	IN/A	

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufact- urer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ² Date of Construction/ Reconstruction ²	Controlled by Unit # Emissions vented to Stack #	Source Classi- fication Code (SCC)	For Each Piece of Eq	uipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
		D 1/01	27/1		99	99	2012	N/A		☑ Existing (unchanged)	To be Removed	27/1	27/1
37	Boiler	Rentech/Zinc	N/A	9049303	MMBtu/hr	MMBtu/hr	2010	37	31000404	New/Additional To Be Modified	Replacement Unit To be Replaced	N/A	N/A
FUG	Fugitive Equipment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31000306	Existing (unchanged) New/Additional	To be Removed Replacement Unit	N/A	N/A
100	Leak Emissions	1.0/1	10/11	10/11	1071	14/21	N/A	FUG	51000500	To Be Modified	To be Replaced	10/14	10/11
TK-2	Storage Tank -	N/A	N/A	N/A	11.9 bbl	11.9 bbl	1985	N/A	40600061	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit	N/A	N/A
	Gasoline					-	2005	TK-2		To Be Modified	To be Replaced		
AGI	AGI Flare	Flare King	Flare	N/A	1.2	1.2	2009	N/A	31000209	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit	N/A	N/A
Flare			King		MMscf/d	MMscf/d	2009	50		To Be Modified	To be Replaced		
AM-10	Amine Unit	N/A	N/A	N/A	225	225	N/A	2, AGI	31000305	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit	N/A	N/A
					MMscf/d	MMscf/d	N/A	Flare		To Be Modified	To be Replaced		
DH-10	Glycol Dehydrator	N/A	N/A	N/A	27	27	2012	N/A	31000303	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit	N/A	N/A
					MMscf/d	MMscf/d	41061	4a		To Be Modified	To be Replaced		
CT-1	South Cooling	N/A	N/A	N/A	12,800	12,800	Unknown	N/A	38500101	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit	N/A	N/A
	Tower				gpm	gpm		CT-1		To Be Modified	To be Replaced		
CT-2	North Cooling	N/A	N/A	N/A	4,090 gpm	4,090 gpm	Unknown	N/A	38500101	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit	N/A	N/A
	Tower					· Ci		CT-2		To Be Modified	To be Replaced		
	7 Unstabilized and 2 Stabilized				1,500 bbl x	1,500 bbl x	TBD	VRU		☑ Existing (unchanged)	To be Removed		
TK- VRU	Condensate Tanks controlled by common VRU	N/A	N/A	N/A	9	9	1954	TK-VRU	40400321	New/Additional To Be Modified	Replacement Unit To be Replaced	N/A	N/A
	Two Produced Water				1 500 bbl x	1 500 bbl v	TBD	VRU		 Existing (unchanged) 	To be Removed		
TK- PWVRU	Tanks controlled by common VRU	N/A	N/A	N/A	2	2	1954	TK- PWVRU	40400321	New/Additional To Be Modified	Replacement Unit To be Replaced	N/A	N/A
	Stabilized				38 631 600	38 631 600	N/A	VRU		☑ Existing (unchanged)	To be Removed		
LOAD- STAB	Condensate Loading	N/A	N/A	N/A	gal/yr	gal/yr	N/A	TK-VRU	40600243	New/Additional To Be Modified	Replacement Unit To be Replaced	N/A	N/A
LOAD-	Unstabilized				49,669,200	49,669,200	N/A	N/A		☑ Existing (unchanged)	To be Removed	27/1	27/1
UNSTAB	Condensate Loading	N/A	N/A	N/A	gal/yr	gal/yr	N/A	N/A	40600243	New/Additional To Be Modified	Replacement Unit To be Replaced	N/A	N/A
	Produced Water	27/4	27/1	27/1	42,000	42,000	N/A	VRU	10.000.10	☑ Existing (unchanged)	To be Removed		27/1
LOAD- PW	Loading	N/A	N/A	N/A	gal/yr	gal/yr	N/A	TK- PWVRU	40600243	New/Additional To Be Modified	Replacement Unit 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 Activities¹ (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 202.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.env.nm.gov/aqb/permit/aqb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at https://www.env.nm.gov/wp-content/uploads/sites/2/2017/10/InsignificantListTitleV.pdf. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufasturan	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²	For Food Biogo of Fouriemont, Chaol One
Unit Number	Source Description	Manufacturer	Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	For Each Fleee of Equipment, Check One
TK_1	Firewater	Unknown	N/A	9,065	Not a source of regulated pollutants	34700	Existing (unchanged) To be Removed New/Additional Replacement Unit
118-1	Thewater	Clikilowii	N/A	bbls	Insignificant Activity Item #1.a	Unknown	To Be Modified To be Replaced
TK_2	Firewater	Unknown	N/A	3,500	Not a source of regulated pollutants	34700	Existing (unchanged) To be Removed New/Additional Replacement Unit
114-2	Thewater	Ulikilowi	N/A	bbls	Insignificant Activity Item #1.a	Unknown	To Be Modified To be Replaced
TK-3	Firewater	Unknown	N/A	3,500	Not a source of regulated pollutants	34700	Existing (unchanged) To be Removed New/Additional Replacement Unit
112-5	Thewater	Ulikilowi	N/A	bbls	Insignificant Activity Item #1.a	Unknown	To Be Modified To be Replaced
TK A	Stoddard	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed New/Additional Replacement Unit
1 K-4	Stoddard	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TK-5	Detergent	Unknown	N/A	225	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed New/Additional Replacement Unit
114-5	Detergent	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TK 6	Detergent	Unknown	N/A	300	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed Naw/Additional Replacement Unit
11K-0	Detergent	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TK 7	Solvent	Unknown	N/A	300	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed Naw/Additional Replacement Unit
11K-7	Solvent	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TV 8	Lube Oil	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed New/Additional Replacement Unit
1 K-0	Eule Oli	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TKO	Ethylene Glycol	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed New/Additional Replacement Unit
114-9	Euryrene Grycor	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TK 10	Lube Oil	Unknown	N/A	30	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed Naw/Additional Replacement Unit
114-10	Eule Oli	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TV 11	Methanol	Unknown	N/A	168	20.2.72.202.B.5 NMAC	Unknown	Existing (unchanged) To be Removed Naw/Additional Replacement Unit
114-11	Wiethanoi	Clikilowii	N/A	gal	Insignificant Activity Item #1.a	Unknown	To Be Modified To be Replaced
TV 12	Sadium Uunaahlarita	Unknown	N/A	479	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed Naw/Additional Replacement Unit
11-12	Sourum rypochlorite	Unknown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TV 12	Sadium Urmashlarita	Unknown	N/A	479	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) To be Removed Naw/Additional Papelacement Unit
11-13	Sodium rypochiorite	Unknown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified To be Replaced
TV 14	Chamtrast DL 4820	I la la avra	N/A	500	20.2.72.202.B.5 NMAC	Unknown	Existing (unchanged) To be Removed Now/Additional Bonkcompaty Unit
1 K-14	Chemireat BL-4650	Unknown	N/A	gal	Insignificant Activity Item #1.a	Unknown	To Be Modified To be Replaced

Unit Number	Source Description	Manufacturor	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²	For Fach Diogo of Fo	winmont Chock One
Omt Number	Source Description	Manufacturer	Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	FOT EACH FIELD OF EL	Junpinient, Check One
TV 15	029/ Sulfurio Acid	Unknown	N/A	7,000	20.2.72.202.B.5 NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
1K-15	95% Sulturic Acid	Unknown	N/A	gal	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-16	Chemtreat BL -4830	Unknown	N/A	500	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
111-10	Chemileat DE-4050	Chikilown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-17	Chemtreat BL-1258	Unknown	N/A	550	20.2.72.202.B.2.a NMAC	Unknown	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
11(1)	Chemidal DE 1250	Chikilown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-18	Lube Oil	Unknown	N/A	55	20.2.72.202.B.5 NMAC	Unknown	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
111 10	2000 011	0	N/A	gal	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-19	Lube Oil	Unknown	N/A	55	20.2.72.202.B.2.a NMAC	Unknown	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
111 17	Euseon	Clinitown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-20	Ethylene Glycol	Unknown	N/A	1,128	20.2.72.202.B.2.a NMAC	Unknown	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
110-20	Euryrene Grycor	Clikitown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-21	BL-4350	Unknown	N/A	500	20.2.72.202.B.2.a NMAC	Unknown	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
110-21	DE 4550	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-22	BI -1558	Unknown	N/A	500	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
110-22	DL -1556	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
тк-23	Water	Unknown	N/A	500	Not a source of regulated pollutants	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
110-25	Water	Clikilowi	N/A	bbls	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
тк-24	Water	Unknown	N/A	500	Not a source of regulated pollutants	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
112-2-4	water	Clikilowi	N/A	bbls	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-25	Sodium Hydrovide	Unknown	N/A	220	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-25	Sourian Hydroxide	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-26	Nalco EC15380	Unknown	N/A	479	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-20	Naleo EC15560	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
тк 27	Lube Oil	Unknown	N/A	55	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
113-27	Lube On	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK 28	Lube Oil	Unknown	N/A	55	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
11x-20		Cirkilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK 20	Naleo 1528A	Unknown	N/A	718	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
11-27	Naico 1556A	Ulikilowii	N/A	bbl	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TV 20	Crimowery Destanalis	Linkersser	N/A	300	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged)	To be Removed
11-30	Synergy Periosolv	Unknown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced

Unit Number	Source Description	Monufacturor	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²	For Food Piece of Fo	winmont Chock One
Unit Number	Source Description	Manufacturer	Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	FOI Each Flee of Eq	Jurpment, Check One
TV 21	Luba Oil	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
1K-31	Lube Oli	UIKIIOWII	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-32	Synergy Pertosoly	Manufacturer	N/A	525	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
111.52	Synergy renosorv	Wanufacturer	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-33	Synergy Pertosoly	Unknown	N/A	525	20.2.72.202.B.2.a NMAC	Unknown	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
111 55	Synorgy Portosoft	Cinkilowii	N/A	bbl	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
ТК-34	Gyptron	Unknown	N/A	55	20.2.72.202.B.2.a NMAC	Unknown	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
	ojpuon	0	N/A	bbl	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-35	Gyntron	Unknown	N/A	55	20.2.72.202.B.2.a NMAC	Unknown	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
110.55	Gyption	Chikhowh	N/A	bbl	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-36	Methanol	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-50	Wethanor	Olikhowli	N/A	bbl	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-37	Lube Oil	Unknown	N/A	752	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-57	Eule On	Olikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-38	Methanol	Unknown	N/A	1128	20.2.72.202.B.5 NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-56	Wethanor	Olikilowii	N/A	gal	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-39	Defoam	Unknown	N/A	55	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-57	Derbain	Olikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-40	North Amine Tank	Unknown	N/A	5,000	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
112-40	North Annue Tank	Olikhowli	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK 41	South Amine Tank	Unknown	N/A	5,000	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-41	South Annue Tank	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-42	Glycol	Unknown	N/A	1,128	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
1 K-42	Giyeor	Clikilowii	N/A	bbls	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK 13	West Amine Surge Tonk	Unknown	N/A	5,000	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
11X-45	west Ainline Surge Talik	Clikilowii	N/A	bbls	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TV 11	Fact Amina Surga Tank	Unknown	N/A	5,000	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) Naw/Additional	To be Removed
115-44	Last Annue Surge Tank	UIKIIOWII	N/A	bbls	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TV 45	Luba Oil	Unknown	N/A	55	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged)	To be Removed Replacement Unit
1 N-4 3		Unknown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TV 16	Determent	Unizer	N/A	300	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed
1 K-40	Detergent	Unknown	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced

Unit Numbor	Source Description	Manufacturar	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²	For Fosh Dings of F	quinment Cheek One
Unit Number	Source Description	Manufacturer	Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	FOF EACH FIECE OF EA	quipment, Cneck Onc
TK 17	Lube Oil	Unknown	N/A	752	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
1K-4/	Lube Off	Ulkilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-48	Lube Oil	Unknown	N/A	752	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
111 40	Euseon	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-49	Lube Oil	Unknown	N/A	150	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
112-47	Euseon	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-50	Clark Lube Oil Drain Tk	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
112-50	Clark Edde On Diani Tk	Clikilowii	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-51	Clark Lube Oil Drain Tk	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-51	Clark Eule On Drain TK	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-52	Clark Jacket Water Drain Tk	Unknowm	N/A	564	Not a source of regulated pollutants	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
1K-52	Clark Jacket Water Drain Tk	UIKIIOWIII	N/A	gal	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-53	Clark Jacket Water Feed Tk	Unknown	N/A	1,128	Not a source of regulated pollutants	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
112-55	Clark Jacket Water Feed Tk	Clikilowii	N/A	gal	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-54	Lube Oil	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-54	Euseon	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-55	Lube Oil	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
114-55	Euseon	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK-56	Firewater Pump Diesel Tk	Unknown	N/A	564	20.2.72.202.B.2.a NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
1K-50	Thewater Tump Dieser TK	Clikilowi	N/A	gal	Insignificant Activity Item #5	Unknown	To Be Modified	To be Replaced
TK 57	Water	Unknown	N/A	224	20.2.72.202.B.5 NMAC	Unknown	Existing (unchanged) New/Additional	To be Removed Replacement Unit
1K-57	water	Clikilowii	N/A	gal	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-GBW1	Gunbarrel Water Tank	Lide	Lide	500	Not a source of regulated pollutants	N/A	Existing (unchanged) New/Additional	To be Removed Replacement Unit
IK-ODW1	Gunbarter water Fank	Liuc	1 9095	bbl	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-GBW2	Gunbarrel Water Tank	Lide	Lide	500	Not a source of regulated pollutants	N/A	Existing (unchanged) New/Additional	To be Removed Replacement Unit
IK-ODW2	Gunbarter water Fank	Liuc	1 9098	bbl	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
TK-GBW3	Gunbarrel Water Tank	Lide	N/A	500	Not a source of regulated pollutants	N/A	Existing (unchanged) New/Additional	To be Removed Replacement Unit
IK-ODW5	Gunbarter water Fank	Liuc	N/A	bbl	Insignificant Activity Item #1.a	Unknown	To Be Modified	To be Replaced
HAUL	Paved and Unpaved Haul Roads (associated with LOAD- STAB	N/A	N/A	8,760 (Continuous)	20.2.72.202.B.5 NMAC	N/A	 Existing (unchanged) New/Additional 	To be Removed Replacement Unit
	and LOAD-UNSTAB)		N/A	trips/yr	Insignificant Activity Item #1.a	Unknown	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
2	Amine Plant Flare East	2005	H_2S , VOC	Amine Treating , DH-10	~ 98%	Eng. Judgement
4A	ESD Flare	2008	H ₂ S, VOC	All Units	~ 98%	Eng. Judgement
AGI	Acid Gas Injection (AGI) Well	12/1/2009	H ₂ S, VOC	Amine Treating	100%	Eng. Judgement
AGI Flare	AGI Flare	12/1/2009	H ₂ S, VOC	AGI	~ 98%	Eng. Judgement
TK-VRU	Vapor Recovery Units (VRUs), Primary and Secondary	TBD	VOC	TK-VRU (7 Unstabilized and 2 Stabilized Condensate Tanks	100%	Eng. Judgement
TK-PWVRU	Vapor Recovery Units (VRUs) Primary and Secondary	5/1/2011	VOC	TK-PWVRU (2 Produced Water Tanks)	100%	Eng. Judgement
lr:, i						

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 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.	N	Ox	C	0	VC	DC	S	Ox	PI	M	PN	I10 ¹	PM	2.5^{1}	Н	₂ S	Le	ad
Unit No.	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
2	0.08	0.37	0.39	1.69	1.35	5.90	0.01	0.04	-	-	-	-	-	-	-	-		
4A	0.23	1.00	1.05	4.58	65.54	58.54	0.02	0.10	-	-	-	-	-	-	-	-		
6	39.29		19.84		3.05		0.01		-	-	0.86		0.86		-	-		
7	39.29	566.08	19.84	283.08	3.05	60.77	0.01	0.12	-	-	0.86	10.01	0.86	10.01	-			
10 or 11	47.49		23.52	†	6.45		0.01		-	-	0.57	1	0.57		-			
28	3.47	15.20	3.52	15.42	2.01	8.82	0.91	4.01	-	-	1.33	5.83	1.33	5.83	-	-		
29	11.82	51.78	9.47	41.48	0.33	1.42	0.26	1.16	-	-	0.51	2.24	0.51	2.24	-	-		
30	4.64	18.31	4.71	18.57	0.24	0.96	0.05	0.21	-	-	0.51	2.02	0.51	2.02	-	-		
11	26.03	114.01	4.95	21.60	0.35	1.53	0.13	0.55	-	-	0.24	1.06	0.24	1.06	-	-		
32B	3.98	15.77	4.85	19.23	0.13	0.50	0.03	0.11	-	-	0.26	1.05	0.26	1.05	-	-		
34	1.67	7.30	1.40	6.13	0.09	0.40	0.01	0.04	-	-	0.13	0.55	0.13	0.55	-	-		
36	5.53	24.21	9.29	40.68	0.61	2.66	0.07	0.29	-	-	0.84	3.68	0.84	3.68	-	-		
37	5.53	24.21	9.29	40.68	0.61	2.66	0.07	0.29	-	-	0.84	3.68	0.84	3.68	-	-		
TK-2	-	-	-	-	0.16	0.70	-	-	-	-	-	-	-	-	-	-		
AGI Flare	0.08	0.37	0.39	1.69	1.35	5.90	0.01	0.04	-	-	-	-	-	-	-	-		
AM-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DH-10	-	-	-	-	5.08	22.25	-	-	-	-	-	-	-	-	-	-		
TK-VRU	-	-	-	-	165.54	688.81	-	-	-	-	-	-	-	-	-	-		
TK-PWVRU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
400A	-	-	-	-	0.04	0.00	-	-	-	-	-	-	-	-	-	-		
400B	-	-	-	-	0.04	0.00	-	-	-	-	-	-	-	-	-	-		
CT-1	-	-	-	-	-	-	-	-	-	-	1.92	8.42	0.01	0.03	-	-		
CT-2	-	-	-	-	-	-	-	-	-	-	0.61	2.69	0.00	0.01	-	-		
FUG	-	-	-	-	17.74	77.01	-	-	-	-	-	-	-	-	0.11	0.48		
LOAD-STAB	-	-	-	-	105.57	286.38	-	-	-	-	-	-	-	-	-	-		
LOAD-UNSTAB	-	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-		
LOAD-PW					0.63	0.002												
Totals	189.123	838.617	112.494	494.823	379.96	1225.23	1.59556	6.95592	0	0	9.48687	41.2449	6.96187	30.1854	0.10921	0.47833	0	0

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

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 1.41E⁴).

Unit No	N	Ox	C	0	VC	C	S	Эx	PI	M ¹	PM	I 10 ¹	PM	2.5 ¹	Н	2 S	Le	ad
Unit No.	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
2	0.085	0.37	0.39	1.69	0.027	0.12	0.0083	0.04	-	-	-	-	-	-	-	-	-	-
4A	0.41	1.04	1.41	4.66	1.35	1.29	0.023	0.1	-	-	-	-	-	-	-	-	-	-
6	39.29	<u> </u>	19.84	<u> </u>	3.05	ļ !	0.01		-	-	0.86		0.86		-	-	-	- '
7	39.29	566.08	19.84	283.08	3.05	60.77	0.01	0.12	-	-	0.86	10.01	0.86	10.01	-	-	-	-
10 or 11	47.49		23.52		6.45		0.007		-	-	0.57		0.57		-	-	-	-
28	3.47	15.2	3.52	15.42	2.01	8.82	0.91	4.01	-	-	1.33	5.83	1.33	5.83	-	-	-	-
29	11.82	51.78	9.47	41.48	0.33	1.42	0.26	1.16	-	-	0.51	2.24	0.51	2.24	-	-	-	
30	4.64	18.31	4.71	18.57	0.24	0.96	0.05	0.21	-	-	0.51	2.02	0.51	2.02	-	-	-	-
31	26.03	114.01	4.95	21.6	0.35	1.53	0.13	0.55	-	-	0.24	1.06	0.24	1.06	-	_	-	-
32B	3.98	15.77	4.85	19.23	0.13	0.50	0.03	0.11	-	-	0.26	1.05	0.26	1.05	-	-	-	-
34	1.67	7.3	1.4	6.13	0.092	0.4	0.01	0.044	-	-	0.13	0.55	0.13	0.55	-		<u> </u>	'
36	5.53	24.21	9.29	40.68	0.61	2.66	0.066	0.29	-	-	0.84	3.68	0.84	3.68	-	-	-	-
37	5.53	24.21	9.29	40.68	0.61	2.66	0.066	0.29	-	-	0.84	3.68	0.84	3.68	-		-	-
TK-2	-	-	-	-	0.16	0.7	-	-	-	-	-	-	-	-	-	-	-	-
AGI Flare	0.085	0.37	0.39	1.69	0.027	0.12	0.0083	0.036	-	-	-	-	-	-	-	-	-	-
AM-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DH-10	-	-	-	_	-		-	-	-	-	-	-	-	-	-	-	-	-
TK-VRU ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TK-PWVRU ³	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-
400A	-	-	-	-	0.04	0.003	-	-	-	-	-	-	-	-	-	-	-	-
400B	-	-	-	-	0.04	0.003	-	-	-	-	-	-	-	-	-	-	-	-
CT-1	-	-	-	-	-	-	-	-	-	-	1.92	8.42	0.0078	0.034	-	-	-	-
CT-2	-	-	-	-	-	_	-	-	-	-	0.61	2.69	0.0025	0.011	-	-	-	-
FUG	-	-	-	-	17.74	77.01	-	-	-	-	-	-	-	-	0.11	0.48	-	-
LOAD-STAB	-	- 1	-	-	1.39	3.76	-	-	-	-	-	-	-	-	-	-	-	-
LOAD-UNSTAB	-	-	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-
LOAD-PW	-	-	-	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-
																		[
Totals	189.32	838.646	112.87	494.909	37.7141	162.741	1.59048	6.96602	0	0	9.48174	41.2326	6.96204	30.1676	0.11	0.48	0	0

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

²PM (TSP) not included because the NM TSP standard was repealed on 11/30/2018.

²Emissions are not represented as the vents from the two VRU systems are routed back to the process.

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), 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).

II ANI	N	Ox	CC)	VO	C	SO	x	PN	1 ^{2,3}	PM	(10^2)	PM	2.5^{2}	Н	$_2S$	Le	ad
Unit No.	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
SSM Venting	-	-	-	-	5,391.12	36.26	-	-	-	-	-	-	-	-	62.59	0.31		
2	14.90	0.51	80.60	3.08	1.60	0.01	7,751.00	46.00	-	-	-	-	-	-	84.00	0.48		
AGI Flare	17.90	0.34	96.60	42.30	1.90	0.00	9,301.00	4.06	-	-	-	-	-	-	101.00	0.04		
4A	287.80	3.30	1,564.00	19.40	861.80	6.60	2,148.00	18.90	-	-	-	-	-	-	23.00	0.20		
Malfunction ⁴	287.65	10.00	1,565.15	10.00	3,029.49	10.00	9,301.45	10.00	-	-	-	-	-	-	100.83	10.00		
Totals	320.60	14.15	1741.20	74.78	6256.42	52.87	19200.00	78.96	0	0	0	0	0	0	270.59	11.04	0	0

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).

³PM (TSP) not included because the NM TSP standard was repealed on 11/30/2018.

⁴Hourly emission rate shown for I nformation purpose only; emissions were calculated assuming each activity lasts for 1 hour.

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

Z 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.

	Serving Unit	N	Ox	C	0	V	OC	S	Ox	Р	М	PN	110	PM	[2.5	H ₂ S or	· Lead
Stack No.	Number(s) from Table 2-A	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	Serving Unit Number(s)	Orientation	Rain Caps	Height Above	Temp.	Flow	Rate	Moisture by	Velocity	Inside
Number	from Table 2-A	V=Vertical)	(Yes or No)	Ground (ft)	(F)	(acfs)	(dscfs)	Volume (%)	(ft/sec)	Diameter (ft)
2	2	V	No	222	1832	131	-		65.6	2.00
4A	4A	V	No	175	1832	131	-	-	65.6	2.00
6	6	V	No	74	750	318	-	-	132.3	1.80
7	7	V	No	74	750	318	-	-	132.3	1.80
10	10	V	No	74	650	215.8	215.8 -		122.1	1.5
11	11	V	No	74	650	215.8	-	-	122.1	1.5
28	28	V	No	35.8	890	1,787.4	-	-	154.9	3.8
29	29	V	No	44	858	1,964.1	-	-	156.3	4
30	30	V	No	44	900	1,954.0	-	-	69.11	6
31	31	V	No	44	817	1,300	-	-	103.5	4
32B	32B	V	No	32	747	1,205.0	-	-	95.92	4
34	34	V	No	45	600	114.1	-	-	36.3	2
36	36	V	No	50	300	552.2	-	-	50	3.8
37	37	V	No	50	300	552.2	-	-	50	3.8
AGI Flare	AGI Flare	V	No	210	1831.7	15.1	-	-	65.6	2

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	Ben X HA T	izene P or AP	Tolı X HAP o	uene or TAP	Ethylb X HAP o	enzene or TAP	Xyl X HAP o	enes or TAP	Forma X HAP o	ldehyde or TAP	Acetal X HAP o	dehyde or TAP	n-he X HAP o	exane or TAP	Acro X HAP o	olein 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
2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4A	4A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	6	1.36	5.97	0.034	0.15	0.017	0.075	0.0019	0.0084	0.0048	0.021	0.98	4.29	0.14	0.6	0.0079	0.035	0.14	0.6
7	7	1.36	5.97	0.034	0.15	0.017	0.075	0.0019	0.0084	0.0048	0.021	0.98	4.29	0.14	0.6	0.0079	0.035	0.14	0.6
10 or 11	10 or 11	0.91	4	0.023	0.1	0.011	0.05	0.0013	0.0056	0.0032	0.014	0.65	2.87	0.092	0.4	0.0053	0.023	0.092	0.4
28	28	0.17	0.75	0.0008	0.0033	0.0082	0.036	0.002	0.0089	0.0041	0.018	0.15	0.67	0.0025	0.011	-	-	0.00041	0.0018
29	29	0.077	0.34	0.0009	0.0041	0.01	0.044	0.0025	0.011	0.005	0.022	0.055	0.24	0.0031	0.014	-	-	0.0005	0.0022
30	30	0.074	0.32	0.0009	0.0041	0.0096	0.0440	0.0024	0.0108	0.0047	0.0216	0.0548	0.2401	0.0030	0.0135	-	-	0.0005	0.0022
31	31	0.037	0.16	0.0019	0.0019	0.0048	0.0210	0.0012	0.0052	0.0024	0.0100	0.0260	0.1100	0.0015	0.0064	-	-	0.0002	0.0010
32B	32B	0.036	0.16	0.0005	0.0021	0.0047	0.0226	0.0012	0.0056	0.0023	0.0111	0.0282	0.1236	0.0014	0.0070	-	-	0.0002	0.0011
34	34	0.031	0.14	4E-05	0.00015	5.7E-05	0.00025	-	-	-	-	0.0013	0.0055	-	-	0.03	0.13	-	-
36	36	0.21	0.91	0.0002	0.001	0.00038	0.0016	-	-	-	-	0.0083	0.036	-	-	0.2	0.87	-	-
37	37	0.21	0.91	0.0002	0.001	0.00038	0.0016	-	-	-	-	0.0083	0.036	-	-	0.2	0.87	-	-
TK-2	TK-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AM-10	AM-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DH-10	DH-10	0.14	0.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TK-VRU	TK-VRU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGI flare	AGI flare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TK- PWVRU	TK-PWVRRU	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-	-	-	-
CT-1	CT-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CT-2	СТ-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N/A	LOAD-STAB	0.02	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N/A	LOAD-UNSTAB	0.0002	0.0003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N/A	FUG	5.16	22.6	0.013	0.055	0.0064	0.028	0.00027	0.0012	0.0012	0.0052	-	-	-	-	5.14	22.51	-	-
N/A	SSM	71.33	5.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N/A	LOAD-PW	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals:		81.13	48.26	0.11	0.47	0.09	0.40	0.01	0.07	0.03	0.14	2.94	12.91	0.38	1.65	5.59	24.47	0.37	1.61

Table 2-J: Fuel

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

	Fuel Type (low sulfur Diesel,	Fuel Source: purchased commercial,		Spe	cify Units		
Unit No.	ultra low sulfur diesel, Natural Gas, Coal,)	raw/field natural gas, residue gas, raw/field natural gas, process gas (e.g. SRU tail gas) or other	Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
2	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	1.2 Mscf	10.2 MMscf	5 grains/100 scf	-
4A	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	3.2 Mscf	28.0 MMscf	5 grains/100 scf	-
6	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	19.7 Mscf	172.5 MMscf	5 grains/100 scf	-
7	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	19.7 Mscf	172.5 MMscf	5 grains/100 scf	-
10 or 11	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	13.2 Mscf	115.4 MMscf	5 grains/100 scf	-
28	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	64.1 Mscf	561.2 MMscf	5 grains/100 scf	-
29	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	82.7 Mscf	724.2 MMscf	5 grains/100 scf	-
30	Natural Gas	Pipeline Quality Natural Gas	939 Btu/scf	82.2 Mscf	653.2 MMscf	0.25 grains/100 scf	-
31	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	40.9 Mscf	358.2 MMscf	5 grains/100 scf	-
32B	Natural Gas	Pipeline Quality Natural Gas	939 Btu/scf	42.3 Mscf	338.2 MMscf	0.25 grains/100 scf	-
34	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	16.7 Mscf	146.0 MMscf	5 grains/100 scf	-
36	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	110.6 Mscf	968.5 MMscf	5 grains/100 scf	-
37	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	110.6 Mscf	968.5 MMscf	5 grains/100 scf	-
AGI Flare	Natural Gas	Pipeline Quality Natural Gas	900 Btu/scf	1.2 Mscf	10.2 MMscf	5 grains/100 scf	-

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.

					Vapor	Average Stor	age Conditions	Max Storage Conditions		
Tank No.	SCC Code	Material Name	Composition		Molecular Weight (lb/lb*mol)	Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)	
TK-2	40600061	Gasoline (fuel)	Mixed hydrocarbons	5.6	62	62	9.34	94	12.45	
B1	40400321	Condensate	Mixed hydrocarbons	5.47	52.74	62	25.96	94	25.96	
B2	40400321	Condensate	Mixed hydrocarbons	5.47	52.74	62	25.96	94	25.96	
В3	40400321	Condensate	Mixed hydrocarbons	5.47	52.74	62	25.96	94	25.96	
B4	40400321	Condensate	Mixed hydrocarbons	5.47	52.74	62	25.96	94	25.96	
В5	40400321	Condensate	Mixed hydrocarbons	5.47	52.74	62	25.96	94	25.96	
400C	40400321	Condensate	Mixed hydrocarbons	5.47	52.74	62	25.96	94	25.96	
400F	40400321	Condensate	Mixed hydrocarbons	5.47	52.74	62	25.96	94	25.96	
400D	40400321	Condensate	Mixed hydrocarbons	5.61	72.5	62	8.67	94	8.67	
400E	40400321	Condensate	Mixed hydrocarbons	5.61	72.5	62	8.67	94	8.67	
400A	40400321	Produced Water	Mixed hydrocarbons and water	5.61	72.5	62	8.67	94	8.67	
400B	40400321	Produced Water	Mixed hydrocarbons and water	5.61	72.5	62	8.67	94	8.67	

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	(per year)
TK-2 2005 Gasoline fuel N/A N/A 12 2 1.2 0.01 WH WH Good 3,00	6.00
B1 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good	
B2 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good	
B3 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good	
B4 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good 49,669	00 788.40
B5 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good	
400C 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good	
400F 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good	
400D 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good 38.631	613 20
400E 1954 Condensate N/A N/A 1,500 363 3.65 0.25 WH WH Good	015.20
400A 1954 Produced Water N/A N/A 1,500 363 3.65 0.25 WH WH Good 42.0	0.67
400B 1954 Produced Water N/A N/A 1,500 363 3.65 0.25 WH WH Good	0.07

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

Roof Type	Seal Type, We	lded Tank Seal Type	Seal Type, Rive	ted 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	Pressure C: Rim-mounted secondary C: Rim-mounted secondary		C: Rim-mounted secondary	C: Rim-mounted secondary	LG: Light Gray				
					MG: Medium Gray				
Note: $1.00 \text{ bbl} = 0.159 \text{ M}^3$	Note: $1.00 \text{ bbl} = 0.159 \text{ M}^3 = 42.0 \text{ gal}$								
					OT: Other (specify)	J			

Table 2-M: Materials Processed and Produced (Use additional sheets as necessar	y.)
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	Materi	al Processed		Μ	laterial Produced		
Description	Chemical Composition	Phase (Gas, Liquid, or Solid)	Quantity (specify units)	Description	Chemical Composition	Phase	Quantity (specify units)
Natural Gas	Mixed Hydrocarbons	Gas	227 MMscf/day	Natural Gas	Mixed Hydrocarbons	Gas	227 MMscf/day
				Condensate	Mixed Hydrocarbons	Liquid	5,760 bbl/day
				Produced Water	Mixed Hydrocarbons and water	Liquid	3 bbl/day

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					
	NA - There is no CEM equipment at this facility.													

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
		NA - The	ere is no PEM equipr	nent at this facility.				

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.

		CO2 ton/yr	N ₂ O ton/yr	CH ₄ ton/yr	SF ₆ ton/yr	PFC/HFC ton/yr ²					Total GHG Mass Basis ton/yr ⁴	Total CO ₂ e
Unit No.	GWPs ¹	1	298	25	22,800	footnote 3						
2	mass GHG	611.42	0.0012	3.65	-	-					615.07	
2	CO ₂ e	611.42	0.36	91.29	-	-						703.07
44	mass GHG	2,153.59	0.0042	12.86	-	-					2,166.46	
4/1	CO ₂ e	2,153.59	1.26	321.54	-	-						2,476.40
6	mass GHG	10,369.98	0.02	0.2	-	-					10,370.19	
U	CO ₂ e	10,369.98	5.83	4.89	-	-						10,380.69
7	mass GHG	10,369.98	0.02	0.2	-	-					10,370.19	
'	CO ₂ e	10,369.98	5.83	4.89	-	-						10,380.69
10 or 11	mass GHG	6,933.34	0.013	0.13	-	-					6,933.49	
10 01 11	CO ₂ e	6,933.34	3.9	3.27	-	-						6,940.51
28	mass GHG	33,718.89	0.064	0.64	-	-					33,719.59	
20	CO ₂ e	33,718.89	18.95	15.9	-	-						33,753.74
20	mass GHG	43,513.05	0.082	0.82	-	-					43,513.95	
29	CO ₂ e	43,513.05	24.46	20.52	-	-						43,558.02
20	mass GHG	41,046.72	0.077	0.77	-	-					41,047.57	
30	CO ₂ e	41,046.72	23.070	19.354	-	-						41,089.15
21	mass GHG	21,521.01	0.041	0.41	-	-					21,521.45	
31	CO ₂ e	21,521.01	12.1	10.15	-	-						21,543.25
22D	mass GHG	21,123.87	0.040	0.40	-	-					21,124.31	
328	CO ₂ e	21,123.87	11.873	9.960	-	-						21,145.70
24	mass GHG	8,771.82	0.017	0.17	-	-					8,772.00	
54	CO ₂ e	8,771.82	4.93	4.14	-	-						8,780.89
26	mass GHG	58,186.62	0.11	1.1	-	-					58,187.83	
30	CO ₂ e	58,186.62	32.7	27.44	-	-						58,246.76
27	mass GHG	58,186.62	0.11	1.1	-	-					58,187.83	
37	CO ₂ e	58,186.62	32.7	27.44	-	-						58,246.76
AGI	mass GHG	611.42	0.001	3.65	-	-					615.07	
Flare	CO ₂ e	611.42	0.36	91.29	-	-						703.07
FUC	mass GHG	-	-	11.67	-	-					11.67	
FUG	CO2e	-	-	291.78	-	-						291.78
SSM	mass GHG	4,525.91	0.0001	31.48	-	-					4,557.39	
5511	CO ₂ e	4,525.91	0.03	787.05	-	-						5,312.98
Total	mass GHG	321,644.24	0.601	69.253							321,714.06	
Total	CO ₂ e	321,644.24	178.35311	1,730.9								323,553.46

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

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

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

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

⁵ CO₂e means Carbon Dioxide Equivalent and is calculated by multiplying the TPY mass emissions of the green house gas by its GWP.

Section 3 Application Summary

The <u>Application Summary</u> 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 connected 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, debottlenecking impacts, and changes to the facility's major/minor status (both PSD & Title V).

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

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

DCP Operating Company, LP is submitting this application and accompanying material pursuant to 20.2.72.219.D(1)(a) NMAC to apply for a revision to the existing NSR minor source permit for the Linam Ranch Gas Plant (Linam Ranch). Linam Ranch is a natural gas processing plant and is located 7 miles west of Hobbs, New Mexico in Lea County. The facility removes hydrogen sulfide, water and carbon dioxide from field natural gas and separates natural gas liquids from the field natural gas stream. The facility is currently permitted under NSR permit 39-M10 and Title V permit P094-R3.

The proposed modification consists of the following operational changes and updates to permit representations:

- 1) Retrofit the existing two (2) turbine engines (Unit IDs 30 and 32B) with SoLoNOx controls to meet the Regional Haze rules of NM.
- 2) Increase these two turbines' engines (Unit IDs 30 and 32B) rated horsepower (HP) that is a direct result of the SoLoNox control upgrade.

There are no physical changes occurring at the plant site apart from the installation of the SoLoNOx controls. The processing rate of the plant remains the same, and there is no new processing equipment being added nor are any new emissions sources being installed with this permit revision.
Section 4 Process Flow Sheet

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

A process flow sheet is included in this section.



Section 5 Plot Plan Drawn to Scale

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

A plot plan is included in this section.



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.

Turbines (Unit IDs 30 and 32B)

Unit 30 is a Solar Taurus 70, 10,802 HP turbine, increased from 9,990 HP. Unit 32B is a Solar Centaur C-40, 4,702 HP turbine, increased from 3,684 HP. All emissions are based on firing natural gas. These turbine engines are retrofitted with SoLoNOx controls to meet the Regional Haze rules of NM. As a direct result of SoLoNOx control upgrade, the horsepower rating of these two turbines are increased.

Turbines NOx, CO, and VOC emissions were estimated using manufacturer's emission factors. Total HAPs, formaldehyde, SO₂, and PM emissions were estimated using emission factors from EPA's AP-42, Tables 3.1-2a and 3.1-3. The emissions calculation details are provided in Table 6-1 through 6-5. The turbine vendors' spec sheets are provided in Section 7.

DCP Operating Company, LP Linam Ranch Gas Plant Combustion Turbine Emissions (Units 30 and 32B) Hobbs, Lea County, New Mexico Table 6-1

			1	1a	2	2a
		Unit No. >>	3	0	3	2B
		Emission Source Name >>	Tur	bine	Tur	bine
		Turbine Manufacturer	Sc	olar	S	olar
		Model No.	Taurus 7	0-10802S	Centa	ur C-40
ters		Fuel Type	Natura	al Gas	Natur	al Gas
me		Sulfur Content of Fuel	gr S/100 dscf	0.25	gr S/100 dscf	
ara		Heat Value of Fuel	1,020.00	Btu/scf	1,020.00	Btu/scf
e D		Control Device	Solo	NOx	Solo	NOx
bine		Maximum Fuel Flow	77.20	MMBtu/hr	39.73	MMBtu/hr
5		Average Fuel Flow	70.03	MMBtu/hr	36.26	MMBtu/hr
		Net Output Power	10,802.00	hp	4,702.00	hp
		Annual Operating Hours	8,760.00	hours	8,760.00	hours
	,	Maximum NOx lb/hr	4.64	lb/hr	3.98	lb/hr
	ta (Average NOx lb/hr	4.18	lb/hr	3.60	lb/hr
	Dat	Maximum CO lb/hr	4.71	lb/hr	4.85	lb/hr
s	rer	Average CO lb/hr	4.24	lb/hr	4.39	lb/hr
UC C	ŝ	Maximum UHC lb/hr	2.70	lb/hr	1.39	lb/hr
щ Е	ıfac	Average UHC lb/hr	2.43	lb/hr	1.26	lb/hr
io	anı	Maximum VOC lb/hr	0.24	lb/hr	0.13	lb/hr
liss	Σ	Average VOC lb/hr	0.22	lb/hr	0.11	lb/hr
<u>۳</u>		Formaldehyde Factor (2)	7.10E-04	lb/MMBtu	7.10E-04	lb/MMBtu
	4	PM ₁₀ Factor (2)	6.60E-03	lb/MMBtu	6.60E-03	lb/MMBtu
	AP	SO ₂ Factor (3)	7.00E-04	lb/MMBtu	7.00E-04	lb/MMBtu
		Benzene Factor (2)	1.20E-05	lb/MMBtu	1.20E-05	lb/MMBtu
	s	Stack Temperature (°F)	900.00	°F	747.00	°F
×	ter	ACFH Exhaust	70340	75.967	43394	17.247
tac	m	Stack Diameter (Feet)	6.00	ft	4.00	ft
S	ara	Exit Velocity (FPS)	69.11	FPS	95.92	FPS
	1	Stack Height (Feet)	44.00	ft	32.00	ft

Unit No. >>	3	, 0	32	2B	
Pollutant	lb/hr	tpy	lb/hr	tpy	
NO _X	4.64	18.31	3.98	15.77	
CO	4.71	18.57	4.85	19.23	
VOC	0.24	0.96	0.13	0.50	
Formaldehyde	0.05	0.22	0.03	0.11	
PM ₁₀	0.51	2.02	0.26	1.05	
SO ₂	0.05	0.21	0.03	0.11	
Benzene	9.26E-04	3.68E-03	4.77E-04	1.91E-03	

Example Calculations:

30 NOx lb/hr: Maximum lb/hr emissions from manufacturer's data

30 NOx tpy: 4.18 lb/hr x 8760 hrs/year x 1 ton/2000 lb = 18.31 tpy

30 PM10 lb/hr: 77.2 MMBtu/hr x 0.0066 lb/MMBtu = 0.51 lb/hr

30 PM10 tpy: 70.03 MMBtu/hr x 0.0066 lb/MMBtu x 8760 hrs/year x 1 ton/2000 lbs = 2.02 tpy

Notes:

1. Emission Factors for NOx, CO, and VOC are from the manufacturer's specification sheets. Hourly emissions are based on maximum hourly emissions at 100% load in worst-case conditions. Annual emissions are based on average hourly emission rates at 100% load and average conditions. VOC emissions are based on manufacturer's data for TOC or UHC, and scaled to VOC based on the VOC content (<1%) in the fuel. However, to account for field variability, it is assumed that the VOC content in the fuel is 9%.

2. PM_{10} , formaldehyde, and benzene factors are from AP-42, 5th Edition, Section 3.1, July 2000.

3. SO₂ factor is based on sulfur content of fuel.

DCP Operating Company, LP Linam Ranch Gas Plant Combustion Turbine Emissions (Units 30 and 32B) Hobbs, Lea County, New Mexico Table 6-2

	Emission Unit	Horsepower	Heat	Benzene		Tolu	uene	Ethylb	enzene	Xyle	enes
Emission Unit	Description	Site Rating	Input	EF	Emiss Rate						
ID No.		hp	mmBtu/hr	lb/MMBtu	TPY	lb/MMBtu	TPY	lb/MMBtu	TPY	lb/MMBtu	TPY
30	Solar Taurus 70-9702S	10,802	77.20	1.20E-05	0.004	1.30E-04	0.044	3.20E-05	0.011	6.40E-05	0.022
32B	Solar Centaur C-40	4,702	39.73	1.20E-05	0.002	1.30E-04	0.023	3.20E-05	0.006	6.40E-05	0.011
Total				0.00	0.01	0.00	0.07	0.00	0.02	0.00	0.03

		Forma	ldehyde	Aceta	dehyde	n-Hexane		Acr	olein	Methanol	
Emission Unit	Description	EF	Emiss Rate								
ID No.		lb/MMBtu	TPY								
30	Solar Taurus 70-9702S	0.00071	0.240	4.00E-05	0.014	0	0.000	6.40E-06	0.002	0	0.000
32B	Solar Centaur C-40	0.00071	0.124	4.00E-05	0.007	0	0.000	6.40E-06	0.001	0	0.000
Total		0.00	0.36	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00

EPA-AP42 Tables 3.2-1 (7/00) & 3.1-3 (4/00) emission factors were used for HAP calculations for all units.

Total HAPS	lb/hr	TPY
Proposed	0.002	0.509
Existing	0.002	0.480
Change	0.000	0.030

DCP Operating Company, LP - Linam Ranch Gas Plant

GHG Summary Page

Table 6-3

Emission Totals

Emission Unit #	Description	CH₄¹	CH₄¹	CO ₂	CO ₂	N ₂ O ²	N ₂ O ²	CO ₂ e	CO₂e
		tonnes per year	TPY	tonnes per year	TPY	tonnes per year	TPY	tonnes per year	TPY
2	Fuel/Residue Gas Combustion	3.3	3.7	555	611	1.1E-03	1.2E-03	637.8	703
4A	Fuel/Residue Gas Combustion	11.7	12.9	1954	2,154	3.8E-03	4.2E-03	2246.6	2,476
6	Natural Gas Combustion	0.18	0.20	9407	10,370	1.8E-02	2.0E-02	9417.2	10,381
7	Natural Gas Combustion	0.18	0.20	9407	10,370	1.8E-02	2.0E-02	9417.2	10,381
10, or 11	Natural Gas Combustion	0.12	0.13	6290	6,933	1.2E-02	1.3E-02	6296.3	6,941
28	Natural Gas Combustion	0.58	0.64	30589	33,719	5.8E-02	6.4E-02	30620.9	33,754
29	Natural Gas Combustion	0.74	0.82	39474	43,513	7.4E-02	8.2E-02	39515.2	43,558
30	Natural Gas Combustion	0.70	0.77	37237	41,047	7.0E-02	7.7E-02	37275.5	41,089
31	Natural Gas Combustion	0.37	0.41	19524	21,521	3.7E-02	4.1E-02	19543.7	21,543
32B	Natural Gas Combustion	0.36	0.40	19163	21,124	3.6E-02	4.0E-02	19183.1	21,146
34	Natural Gas Combustion	0.15	0.17	7958	8,772	1.5E-02	1.7E-02	7965.9	8,781
36	Natural Gas Combustion	1.00	1.1	52786	58,187	1.0E-01	1.1E-01	52840.6	58,247
37	Natural Gas Combustion	1.00	1.1	52786	58,187	1.0E-01	1.1E-01	52840.6	58,247
AGI Flare	Fuel/Residue Gas Combustion	3.3	3.7	555	611	1.1E-03	1.2E-03	637.8	703

Total

1 warming potential of CH4 is 25 times greater than CO2 2 warming potential of N2O is 298 times greater than CO2 317,949

Table 6-4

40 CFR 98 Subpart C TIER 1

Emission unit(s): 30 Source description: Turbine Manufacturer: Solar Maximum fuel usage: 683.19 MMscf/yr

CO_2 Calculation¹ (Eq C-1)

Click here to view Table C-1 to Subpart C of Part 98.

⁻³ x 10 683.19 MMscf x 1028 MMbtu x 53.02 kg CO2 1 x $CO_2 =$ MMscf MMbtu yr 37237 $CO_2 =$ tonnes CO₂ / yr

Fuel usage carried forward from engine calculations in previous permit application.

CH₄ Calculation² (Eq C-8)

Click here to view Table C-1 to Subpart C of Part 98 Click here to view Table C-2 to Subpart C of Part 98



Fuel usage carried forward from engine calculations in previous permit application.

N₂O Calculation² (Eq C-8)

Click here to view Table C-1 to Subpart C of Part 98 Click here to view Table C-2 to Subpart C of Part 98

1

2

10⁻⁴ kg N₂O 1 x 10 х 683.19 MMscf x 1028 MMbtu x 1 x $N_2O =$ MMscf MMbtu yr $N_2O =$ 7.0E-02 tonnes N₂O / yr

(Eq. C-8)

Fuel usage carried forward from engine calculations in previous permit application.

 $CH_4 \text{ or } N_2O = 1 \times 10^{-3} * Fuel * HHV * EF$

Notes:

$$CO_2 = 1 \times 10^{-3} * Fuel * HHV * EF$$

 CH_4 or N_2O = Annual CH_4 or N_2O emissions

CH4 of N2OE a Annual CH4 of N2O emissions from the combustion of a particular type of fuel (metric tons).
Fuel = Mass or volume of the fuel combusted, either from company records or directly measured by a fuel flow meter, as applicable (mass or volume per year).

- $\begin{array}{l} HHV = \mbox{Default high heat value of the fuel} \\ from Table C-1 of this subpart (mmBtu \\ per mass or volume). \\ EF = \mbox{Fuel-specific default emission factor for} \\ CH_4 or N_2O, from Table C-2 of this \\ subpart (kg CH_4 or N_2O per mmBtu). \\ 1 \times 10^{-3} = \mbox{Conversion factor from kilograms} \\ to metric tons. \end{array}$

Turbine GHG Calculation

Table 6-5

40 CFR 98 Subpart C TIER 1

Emission unit(s): 32B Source description: Turbine Manufacturer: Solar Maximum fuel usage: 351.59 MMscf/yr

CO_2 Calculation¹ (Eq C-1)

Click here to view Table C-1 to Subpart C of Part 98.



Fuel usage carried forward from engine calculations in previous permit application.

CH₄ Calculation² (Eq C-8)

Click here to view Table C-1 to Subpart C of Part 98 Click here to view Table C-2 to Subpart C of Part 98



Fuel usage carried forward from engine calculations in previous permit application.

N₂O Calculation² (Eq C-8)

Click here to view Table C-1 to Subpart C of Part 98 Click here to view Table C-2 to Subpart C of Part 98

1

2

N ₂ O =	1 x 1	0 ⁻³ x <u>351.59</u> MMscf x yr	1028 MMbtu x MMscf	1 x 10 ⁻⁴ kg N ₂ O MMbtu
N ₂ O =	3.6E-02	tonnes N ₂ O / yr		

(Eq. C-8)

Fuel usage carried forward from engine calculations in previous permit application.

 $CH_4 \text{ or } N_2O = 1 \times 10^{-3} * Fuel * HHV * EF$

Notes:

$$CO_2 = 1 \times 10^{-3} * Fuel * HHV * EF$$

 CH_4 or N_2O = Annual CH_4 or N_2O emissions

- CH4 of N2OE a Annual CH4 of N2O emissions from the combustion of a particular type of fuel (metric tons).
 Fuel = Mass or volume of the fuel combusted, either from company records or directly measured by a fuel flow meter, as applicable (mass or volume per year).

- $\begin{array}{l} HHV = \mbox{Default high heat value of the fuel} \\ from Table C-1 of this subpart (mmBtu \\ per mass or volume). \\ EF = \mbox{Fuel-specific default emission factor for} \\ CH_4 or N_2O, from Table C-2 of this \\ subpart (kg CH_4 or N_2O per mmBtu). \\ 1 \times 10^{-3} = \mbox{Conversion factor from kilograms} \\ to metric tons. \end{array}$

Section 6.a Green House Gas Emissions

(Submitting under 20.2.70, 20.2.72 20.2.74 NMAC)

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

Calculating GHG Emissions:

1. Calculate the ton per year (tpy) GHG mass emissions and GHG CO2e emissions from your facility.

2. GHG mass emissions are the sum of the total annual tons of greenhouse gases without adjusting with the global warming potentials (GWPs). GHG CO₂e emissions are the sum of the mass emissions of each individual GHG multiplied by its GWP found in Table A-1 in 40 CFR 98 <u>Mandatory Greenhouse Gas Reporting</u>.

3. Emissions from routine or predictable start up, shut down, and maintenance must be included.

4. Report GHG mass and GHG CO₂e emissions in Table 2-P of this application. Emissions are reported in <u>short</u> 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 \Box 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 <u>Mandatory Green House Gas Reporting</u> 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 <u>Mandatory Greenhouse Reporting</u> requires metric tons. 1 metric ton = 1.10231 short tons (per Table A-2 to Subpart A of Part 98 – Units of Measure Conversions)

Green House Gas (GHG) emissions are included in Table 2-P in Form UA2. The updated GHG emissions calculations details for the turbines are provided in Tables 6-3 through 6-5.

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 <u>and</u> 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.

Turbine Emissions (Unit IDs 30 and 32B)

- Vendor emission factors Spec sheet attached
- AP-42, Section 3, Tables 3.1-2a and 3.1-3

PREDICTED EMISSION PERFORMANCE

A Caterpillar Company

Customer						Engine Model TAURUS 70-10802S CS/MD_STANDARD						
JOD ID												
Inquiry Numb	ber					Fuel Typ	e ATURAL	GAS	Water Inj	ection		
Run By	lavior	Date Rur	. 2 1			Engine E	Emissions Da	ita				
Mai quez		0-001	27				0.1					
		NOx	EMISSIC	ONS	CC) EMISSI	ONS	UHC EMISSIONS				
1	10051 HP 1	00.0% Load	Elev.	3622 ft	Rel. Hu	midity	60.0%	Temperatu	re	0 Deg. F		
P	PMvd at 15% O2		15.00			25.00		1	25.0	0		
	ton/yr		20.33			20.63		11.81				
lbm/M	MBtu (Fuel LHV)		0.060			0.061			0.03	5		
	lbm/(MW-hr)		0.62			0.63			0.36	6		
(gas t	turbine shaft pw Ibm/hr	r)	4.64			4.71			2.70)		
2	10009 HP 1	00.0% Load	.0% Load Elev. 3622 ft			midity	60.0%	Temperatu	re 2	0.0 Deg. F		
Р	PMvd at 15% O2		15.00			25.00		25.00				
	ton/yr		19.78		20.07			11.49				
lbm/M	MBtu (Fuel LHV)		0.060			0.061			0.03	5		
	lbm/(MW-hr)		0.60			0.61			0.3	5		
(gas t	turbine shaft pw Ibm/hr	r)	4.51			4.58			2.62	2		
3	9939 HP 1	00.0% Load	Elev.	3622 ft	Rel. Hu	midity	60.0%	Temperatu	re 4	0.0 Deg. F		
Р	PMvd at 15% O2		15.00			25.00] [25.0	0		
	ton/yr		19.23		19.51			11.18				
lbm/M	MBtu (Fuel LHV)		0.060			0.061			0.035			
	lbm/(MW-hr)		0.59			0.60			0.34			
(gas t	turbine shaft pw Ibm/hr	r)	4.39			4.45			2.55			

Notes

- 1. For short-term emission limits such as lbs/hr., Solar recommends using "worst case" anticipated operating conditions specific to the application and the site conditions. Worst case for one pollutant is not necessarily the same for another.
- Solar's typical SoLoNOx warranty, for ppm values, is available for greater than 0 deg F or -20 deg F, and between 50% and 100% load for gas fuel, and between 65% and 100% load for liquid fuel (except for the Centaur 40). An emission warranty for non-SoLoNOx equipment is available for greater than 0 deg F or -20 deg F and between 80% and 100% load.
- 3. Fuel must meet Solar standard fuel specification ES 9-98. Emissions are based on the attached fuel composition, or, San Diego natural gas or equivalent.
- 4. If needed, Solar can provide Product Information Letters to address turbine operation outside typical warranty ranges, as well as non-warranted emissions of SO2, PM10/2.5, VOC, and formaldehyde.
- 5. Solar can provide factory testing in San Diego to ensure the actual unit(s) meet the above values within the tolerances quoted. Pricing and schedule impact will be provided upon request.
- 6. Any emissions warranty is applicable only for steady-state conditions and does not apply during start-up, shut-down, malfunction, or transient event.

PREDICTED EMISSION PERFORMANCE

A Caterpillar Company

Customer								Engine I	Model RUS 70-1	080	2S			
Job ID				CS/MD STANDARD										
Inquiry Numb	er							Fuel Typ SD N	。 ATURAL	GA	Wate	r Injection		
Run By			Date Run	I			ľ	Engine	Emissions Da	ta	-			
Marquez	Javier			l	REV.	0.1								
			NOx I	C	0	EMISS	ONS	UHC EMISSIONS						
4	9256 HP	100	.0% Load	Elev.	3622 ft	Rel. H	un	nidity	60.0%	Те	mperature	59.0 Deg. F		
P	PMvd at 15% C)2		15.00		25.00				7	25	5.00		
	ton/	yr	18.19			18.46					10.57			
lbm/M	MBtu (Fuel LH	V)	0.060				0.061				0.	035		
	lbm/(MW-h	r)		0.60				0.61]	0	.35		
(gas t	turbine shaft p //lbm	wr) hr		4.15				4.21		ן ר	2	.41		
		••						••== ·						
5	8368 HP	100	0% Load Elev. 3622 ft		Rel. Humidity 60.0%			Temperature 80.0 Deg.						
Р	PMvd at 15% C)2		15.00				25.00		25.00				
	ton/	yr		16.85		17.10			9.80					
lbm/M	MBtu (Fuel LH	V)		0.059		0.060]	0.	034			
	lbm/(MW-h	r)		0.62				0.63]	0	.36		
(gas t	turbine shaft p bm/	wr) hr		3.85				3.90		7	2	.24		
	7400 UD	100		Flore	2022 #	Del III		- : - : 4: 4: 7	<u> </u>			400 0 Deg. 5		
0	7408 HP	100	.0% Load	Elev.	3622 11	Kel. H	un	niaity	60.0%		mperature	100.0 Deg. F		
Р	PMvd at 15% C)2		15.00				25.00			25	5.00		
	ton/	15.40					15.63			8	.95			
lbm/M	MBtu (Fuel LH	0.058			0.059			0.034						
	lbm/(MW-h	r)	0.64			0.65			0.37					
(gas t	turbine shaft p Ibm/l	wr) hr	3.52			3.57			2.04					
Neter														

Notes

- 1. For short-term emission limits such as lbs/hr., Solar recommends using "worst case" anticipated operating conditions specific to the application and the site conditions. Worst case for one pollutant is not necessarily the same for another.
- Solar's typical SoLoNOx warranty, for ppm values, is available for greater than 0 deg F or -20 deg F, and between 50% and 100% load for gas fuel, and between 65% and 100% load for liquid fuel (except for the Centaur 40). An emission warranty for non-SoLoNOx equipment is available for greater than 0 deg F or -20 deg F and between 80% and 100% load.
- 3. Fuel must meet Solar standard fuel specification ES 9-98. Emissions are based on the attached fuel composition, or, San Diego natural gas or equivalent.
- 4. If needed, Solar can provide Product Information Letters to address turbine operation outside typical warranty ranges, as well as non-warranted emissions of SO2, PM10/2.5, VOC, and formaldehyde.
- 5. Solar can provide factory testing in San Diego to ensure the actual unit(s) meet the above values within the tolerances quoted. Pricing and schedule impact will be provided upon request.
- 6. Any emissions warranty is applicable only for steady-state conditions and does not apply during start-up, shut-down, malfunction, or transient event.

A Caterpillar Company

Customer	
Job ID	
Run By	Date Run
Marquez Javier	8-Oct-24
Engine Performance Code	Engine Performance Data
REV. 4.20.2.28.14	REV. 1.0

Model
TAURUS 70-10802S
Package Type
CS/MD
Match
STANDARD
Fuel System
GAS
Fuel Type
SD NATURAL GAS

DATA FOR MINIMUM PERFORMANCE

Elevation	feet	3622									
Inlet Loss	in H2O	3.0									
Exhaust Loss	in H2O	3.0									
Accessory on GP Shaft	HP	23.8									
-									_		_
		1		2	3		4	5		6	
Engine Inlet Temperatur	e deg F	0		20.0	40	0.0	59.0	8	0.0	100	0.0
Relative Humidity	%	60.0		60.0	60	0.0	60.0	6	0.0	60	0.0
Driven Equipment Speed	d RPM	11990		11914	117	87	11544	112	229	108	43
Specified Load	ЦВ	E 1111		E 111 1	EII		EUL	E		E 111	-
Not Output Power		10051		10000		20	0256			74	
		77.20		75 46	39	23	9250	0.	00	60	14
	mmbtu/nr	77.20		75.10	73.	23	09.34	04	.92	00.	
Heat Rate	Btu/HP-nr	7681		7510	/3	68	7513		758	81	15
Inerm Eff	%	33.126	3	3.882	34.5	32	33.868	32.8	300	31.3	56
Engine Exhaust Flow	lbm/hr	208409	2	02566	1966	54	186999	1749	938	1610	37
PT Exit Temperature	deg F	909		911	9	17	939	9	965	9	98
Exhaust Temperature	deg F	900		908	9	17	939	9	965	9	98
Fuel Gas Composition	Methane (CH	4)		92.7	'9						
	Ethane (C2H	6)		4.1	6						
	Propane (C3)	H8)		0.8	84						
	N-Butane (C4	H10)		0.1	8						
	N-Pentane (C	5H12)		0.0)4						
Γ	14)		0.0)4							
Γ	de (CO2)		0.4	4							
ſ	ulfide (H2S) 0.000)1							
			1.5	51							
Fuel Gas Properties		<u> </u>		0	0		0.5070	\A/_LL		1.005	4045.0
i dei Gas Fioperiles	THA (Rth/2ct) 9	39.2	Specifi	<u>c Gravit</u>	.y	0.5970		ndex a	at 60F	1215.6

This performance was calculated with a basic inlet and exhaust system. Special equipment such as low noise silencers, special filters, heat recovery systems or cooling devices will affect engine performance. Performance shown is "Expected" performance at the pressure drops stated, not guaranteed.

PREDICTED EMISSION PERFORMANCE

A Caterpillar Company

Customer						Engine CEN	Model FAUR 40-	4700S	
Job ID					CS/MD HIGH AMBIENT				
Inquiry Numb	per					Fuel Type Water Injection SD NATURAL GAS NO			
Run By	lavior	Date Ru	in 21			Engine REV	Emissions Da	ta	
inal quez		0-00	-27				0.1		
		NOx	EMISSIC	DNS	CC) EMISS	IONS	UHCE	MISSIONS
1	4080 HP	100.0% Load	Elev.	3622 ft	Rel. Hu	midity	60.0%	Temperature	0 Deg. F
 P	PMvd at 15% C)2	25.00			50.00			25.00
	ton/y	yr 🗌	17.43		21.23		6.08		
lbm/M	MBtu (Fuel LH)	/)	0.100		0.122		0.035		
lbm/(MW-hr)		r)	1.31		1.59		0.46		
(gas turbine shaft pwr) Ibm/hr [wr) nr	3.98		4.85		1.39		
2	3967 HP	100.0% Load	Elev.	3622 ft	Rel. Hu	midity	60.0%	Temperature	20.0 Deg. F
Р	PMvd at 15% C	02	25.00			50.00			25.00
	ton/y	yr 🗌	16.77		20.42		5.85		
lbm/M	MBtu (Fuel LH)	/)	0.100		0.122		0.035		
	lbm/(MW-h	r)	1.29		1.58		0.45		
(gas i	turbine shaft p Ibm/ł	wr) nr	3.83		4.66		1.34		
3	3821 HP	100.0% Load	Elev.	3622 ft	Rel. Hu	midity	60.0%	Temperature	40.0 Deg. F
P	PMvd at 15% C	02	25.00			50.00			25.00
	ton/y	yr 🗌	16.16		19.68		5.63		
Ibm/MMBtu (Fuel LHV)		/)	0.100		0.122			0.035	
lbm/(MW-hr)		r)	1.29		1.58		0.45		
(gas	turbine shaft p Ibm/ł	wr)	3.69		4.49		1.29		
Netes									

Notes

- 1. For short-term emission limits such as lbs/hr., Solar recommends using "worst case" anticipated operating conditions specific to the application and the site conditions. Worst case for one pollutant is not necessarily the same for another.
- Solar's typical SoLoNOx warranty, for ppm values, is available for greater than 0 deg F or -20 deg F, and between 50% and 100% load for gas fuel, and between 65% and 100% load for liquid fuel (except for the Centaur 40). An emission warranty for non-SoLoNOx equipment is available for greater than 0 deg F or -20 deg F and between 80% and 100% load.
- 3. Fuel must meet Solar standard fuel specification ES 9-98. Emissions are based on the attached fuel composition, or, San Diego natural gas or equivalent.
- 4. If needed, Solar can provide Product Information Letters to address turbine operation outside typical warranty ranges, as well as non-warranted emissions of SO2, PM10/2.5, VOC, and formaldehyde.
- 5. Solar can provide factory testing in San Diego to ensure the actual unit(s) meet the above values within the tolerances quoted. Pricing and schedule impact will be provided upon request.
- 6. Any emissions warranty is applicable only for steady-state conditions and does not apply during start-up, shut-down, malfunction, or transient event.

PREDICTED EMISSION PERFORMANCE

A Caterpillar Company

Customer Job ID							Eng CE CS	ine Model ENTAUR 40 S/MD HIGH	-470 1 AM	0S BIENT	
Inquiry Numb	per						Fuel Type Water Injection				
Run By Marquez	Javier		Date Run 8-Oct-	24			Eng RE	ine Emissions D EV. 0.1	ata		
			NOx I	EMISSIC	ONS	C	O EMI	SSIONS		UHC EN	MISSIONS
4	3676 HP	100	.0% Load	Elev.	3622 ft	Rel. H	umidit	y 60.0%	Те	mperature	59.0 Deg. F
P	PMvd at 15% (D 2		25.00			50.	00		2!	5.00
	ton/	/vr	15.55		18.93		-1 F	5.42			
lbm/M	Ibm/MMBtu (Fuel LHV)		0.100		0.121		-1 F	0.035			
	lbm/(MW-h	nr)	1.30		1.58		7 [0.45			
(gas	(gas turbine shaft pwr) Ibm/hr		3.55			4.32			1.24		
5	3488 HP	100	.0% Load	Elev.	3622 ft	Rel. H	umidit	y 60.0%	Te	mperature	80.0 Deg. F
Р	PMvd at 15% (D 2	25.00		50.00		ר ר	25.00			
	ton/	/yr	14.86		18.09		7 [5.18			
lbm/M	MBtu (Fuel LH	V)	0.099		0.120			0.034			
	lbm/(MW-ł	nr)		1.30		1.59			0.45		
(gas	turbine shaft p /lbm	wr) hr		3.39		4.13		ר ר	1.18		
		400	00/ 1 1	E 1				00.0%			
6	3205 HP	100	.0% Load	Elev.	3622 ft	Rel. H	umidit	y 60.0%		mperature	100.0 Deg. F
Р	PMvd at 15% 0	D 2		25.00			50.	00	_ L	2	5.00
	ton/yr		13.92			16.95		⊣ L	4.85		
lbm/M	MBtu (Fuel LH	V)		0.097			0.1	19	┥┟	0.034	
	lbm/(MW-ł	ו ר) (זו		1.33			1.0	62		0	.46
(gas t	turbine shaft p Ibm/	wr) hr		3.18		3.87			1.11		
Netes											

Notes

- 1. For short-term emission limits such as lbs/hr., Solar recommends using "worst case" anticipated operating conditions specific to the application and the site conditions. Worst case for one pollutant is not necessarily the same for another.
- Solar's typical SoLoNOx warranty, for ppm values, is available for greater than 0 deg F or -20 deg F, and between 50% and 100% load for gas fuel, and between 65% and 100% load for liquid fuel (except for the Centaur 40). An emission warranty for non-SoLoNOx equipment is available for greater than 0 deg F or -20 deg F and between 80% and 100% load.
- 3. Fuel must meet Solar standard fuel specification ES 9-98. Emissions are based on the attached fuel composition, or, San Diego natural gas or equivalent.
- 4. If needed, Solar can provide Product Information Letters to address turbine operation outside typical warranty ranges, as well as non-warranted emissions of SO2, PM10/2.5, VOC, and formaldehyde.
- 5. Solar can provide factory testing in San Diego to ensure the actual unit(s) meet the above values within the tolerances quoted. Pricing and schedule impact will be provided upon request.
- 6. Any emissions warranty is applicable only for steady-state conditions and does not apply during start-up, shut-down, malfunction, or transient event.

A Caterpillar Company

Customer	
Job ID	
Run By	Date Run
Marquez Javier	8-Oct-24
Engine Performance Code	Engine Performance Data
REV. 4.20.2.28.14	REV. 3.1

Model
CENTAUR 40-4700S
Package Type
CS/MD
Match
HIGH AMBIENT
Fuel System
GAS
Fuel Type
SD NATURAL GAS

DATA FOR MINIMUM PERFORMANCE

Elevation	feet	3622					
Inlet Loss	in H2O	3.0					
Exhaust Loss	in H2O	3.0					
Accessory on GP Shaft	HP	15.5					
-							
		1	2	3	4	5	6
Engine Inlet Temperatur	e deg F	0	20.0	40.0	59.0	80.0	100.0
Relative Humidity	%	60.0	60.0	60.0	60.0	60.0	60.0
Driven Equipment Speed	d RPM	15500	15500	15500	15500	15500	15417
Specified Load	HP	FULL	FULL	FULL	FULL	FULL	FULL
Net Output Power	HP	4080	3967	3821	3676	3488	3205
Fuel Flow	mmBtu/hr	39.73	38.26	36.94	35.67	34.34	32.61
Heat Rate	Btu/HP-hr	9737	9645	9666	9704	9844	10174
Therm Eff	%	26.131	26.380	26.324	26.220	25.847	25.008
Engine Exhaust Flow	lbm/hr	144868	140461	135566	130871	124675	117515
PT Exit Temperature	deg F	747	765	792	817	846	872
Exhaust Temperature	deg F	747	765	792	817	846	872
				_			
Fuel Gas Composition	Methane (CH	4)	92.7	9			
	Ethane (C2H	6)	4.1	6			
	Propane (C3	-18)	0.8	4			
	N-Butane (C4	H10)	0.1	8			
	N-Pentane (C	5H12)	0.0	4			
	Hexane (C6H	14)	0.0	4			
	Carbon Dioxi	de (CO2)	0.4	4			
	Hydrogen Su	lfide (H2S)	0.000	1			
[Nitrogen (N2)		1.5	1			
Fuel Gas Properties	LHV (Btu/Scf) 9:	39.2 Specific	c Gravity	0.5970	Nobbe Index	at 60F 1215.6

This performance was calculated with a basic inlet and exhaust system. Special equipment such as low noise silencers, special filters, heat recovery systems or cooling devices will affect engine performance. Performance shown is "Expected" performance at the pressure drops stated, not guaranteed.

Table 3.1-2a. EMISSION FACTORS FOR CRITERIA POLLUTANTS AND GREENHOUSEGASES FROM STATIONARY GAS TURBINES

Emission Factors ^a - Uncontrolled					
- 4	Natural Gas-	Fired Turbines ^b	Distillate Oil-Fired Turbines ^d		
Pollutant	(lb/MMBtu) ^c (Fuel Input)	Emission Factor Rating	(lb/MMBtu) ^e (Fuel Input)	Emission Factor Rating	
CO ₂ ^f	110	А	157	А	
N ₂ O	0.003 ^g	Е	ND	NA	
Lead	ND	NA	1.4 E-05	С	
SO ₂	$0.94S^{h}$	В	$1.01S^{h}$	В	
Methane	8.6 E-03	С	ND	NA	
VOC	2.1 E-03	D	4.1 E-04 ^j	Е	
TOC ^k	1.1 E-02	В	$4.0 \text{ E-}03^1$	С	
PM (condensible)	4.7 E-03 ¹	С	7.2 E-03 ¹	С	
PM (filterable)	1.9 E-03 ¹	С	$4.3 \text{ E-}03^1$	С	
PM (total)	6.6 E-03 ¹	С	1.2 E-02 ¹	С	

^a Factors are derived from units operating at high loads (≥80 percent load) only. For information on units operating at other loads, consult the background report for this chapter (Reference 16), available at "www.epa.gov/ttn/chief". ND = No Data, NA = Not Applicable.

^b SCCs for natural gas-fired turbines include 2-01-002-01, 2-02-002-01 & 03, and 2-03-002-02 & 03.

^c Emission factors based on an average natural gas heating value (HHV) of 1020 Btu/scf at 60°F. To convert from (lb/MMBtu) to (lb/10⁶ scf), multiply by 1020. Similarly, these emission factors can be converted to other natural gas heating values.

^d SCCs for distillate oil-fired turbines are 2-01-001-01, 2-02-001-01, 2-02-001-03, and 2-03-001-02.

^e Emission factors based on an average distillate oil heating value of 139 MMBtu/10³ gallons. To convert from (lb/MMBtu) to (lb/10³ gallons), multiply by 139.

- ^f Based on 99.5% conversion of fuel carbon to CO_2 for natural gas and 99% conversion of fuel carbon to CO_2 for distillate oil. CO_2 (Natural Gas) [lb/MMBtu] = (0.0036 scf/Btu)(%CON)(C)(D), where %CON = weight percent conversion of fuel carbon to CO_2 , C = carbon content of fuel by weight, and D = density of fuel. For natural gas, C is assumed at 75%, and D is assumed at 4.1 E+04 lb/10⁶scf. For distillate oil, CO_2 (Distillate Oil) [lb/MMBtu] = (26.4 gal/MMBtu) (%CON)(C)(D), where C is assumed at 87%, and the D is assumed at 6.9 lb/gallon.
- ^g Emission factor is carried over from the previous revision to AP-42 (Supplement B, October 1996) and is based on limited source tests on a single turbine with water-steam injection (Reference 5).
- ^h All sulfur in the fuel is assumed to be converted to SO₂. S = percent sulfur in fuel. Example, if sulfur content in the fuel is 3.4 percent, then S = 3.4. If S is not available, use 3.4 E-03 lb/MMBtu for natural gas turbines, and 3.3 E-02 lb/MMBtu for distillate oil turbines (the equations are more accurate).
- ^j VOC emissions are assumed equal to the sum of organic emissions.
- ^k Pollutant referenced as THC in the gathered emission tests. It is assumed as TOC, because it is based on EPA Test Method 25A.
- ¹ Emission factors are based on combustion turbines using water-steam injection.

Emission Factors ^b - Uncontrolled				
Pollutant	Emission Factor (lb/MMBtu) ^c	Emission Factor Rating		
1,3-Butadiene ^d	< 4.3 E-07	D		
Acetaldehyde	4.0 E-05	С		
Acrolein	6.4 E-06	С		
Benzene ^e	1.2 E-05	А		
Ethylbenzene	3.2 E-05	С		
Formaldehyde ^f	7.1 E-04	А		
Naphthalene	1.3 E-06	С		
РАН	2.2 E-06	С		
Propylene Oxide ^d	< 2.9 E-05	D		
Toluene	1.3 E-04	С		
Xylenes	6.4 E-05	С		

Table 3.1-3. EMISSION FACTORS FOR HAZARDOUS AIR POLLUTANTS FROM NATURAL GAS-FIRED STATIONARY GAS TURBINES^a

^a SCC for natural gas-fired turbines include 2-01-002-01, 2-02-002-01, 2-02-002-03, 2-03-002-02, and 2-03-002-03. Hazardous Air Pollutants as defined in Section 112 (b) of the *Clean Air Act*.

^b Factors are derived from units operating at high loads (≥80 percent load) only. For information on units operating at other loads, consult the background report for this chapter (Reference 16), available at "www.epa.gov/ttn/chief".

^c Emission factors based on an average natural gas heating value (HHV) of 1020 Btu/scf at 60°F. To convert from (lb/MMBtu) to (lb/10⁶ scf), multiply by 1020. These emission factors can be converted to other natural gas heating values by multiplying the given emission factor by the ratio of the specified heating value to this heating value.

^d Compound was not detected. The presented emission value is based on one-half of the detection limit.

^e Benzene with SCONOX catalyst is 9.1 E-07, rating of D.

^f Formaldehyde with SCONOX catalyst is 2.0 E-05, rating of D.

Section 8 Map(s)

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

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

A topographic map is included in this section.



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. \square A sample of the letters sent to the owners of record.
- 5. \square A sample of the letters sent to counties, municipalities, and Indian tribes.
- 6. \square 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 <u>classified or legal</u> 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 <u>display</u> ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
- 11. A map with a graphic scale showing the facility boundary and the surrounding area in which owners of record were notified by mail. This is necessary for verification that the correct facility boundary was used in determining distance for notifying land owners of record.

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

A Real Provide A Real COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION A. Signature Complete items 1, 2, and 3. C Agent Print your name and address on the reverse х arley D Addressee so that we can return the card to you. C. Date of Delivery B. Received by (Printed Name) Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: D. Is delivery address different from item 1? Ves Bruce Alene Carlin PO BOX 199 Monument, NM 28265 If YES, enter delivery address below: D No Priority Mail Express®
 Registered Mail[™]
 Registered Mail Restricted
 Delivery
 Signature Confirmation[™] 3. Service Type C Adult Signature C Adult Signature Restricted Delivery Certified Mail@ Certified Mail Restricted Delivery 9590 9402 8186 3030 5589 57 Collect on Delivery
Collect on Delivery
Collect on Delivery Restricted Delivery
Collect on Delivery
Colle Signature Confirmation Restricted Delivery 2. Article Number (Transfer from service label) Il Restricted Delivery - 97017 1000 ADM E 0823 6478 PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: James H. Foley Sta Chapatral D. Belon, NM 97002 	A. Signature X. Muthur Hor B. Received by (Printed Name) D. Is delivery address different fro If YES, enter delivery address	Agent Addressee C. Date of Delivery BI-ISAY mitem 1? Qes below: No
9590 9402 8186 3030 5589 40 2 Addide Number (Transfer from service label) 7019 0160 0000 0823 6485	3. Service Type Adult Signature Certified Mail@ Certified Mail@ Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Restricted Delivery Mail Mail Restricted Delivery 00)	 Priority Mail Express® Registered Mail^{™M} Registered Mail Restricted Delivery Signature Confirmation Restricted Delivery
PS Form 3811, July 2029 PSN 7530-02-000-9053	C.	Iomestic Return Receipt

	and a market	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Managues of the mailpiece, or on the front of the mailpiece, or on the front of the pack o	A. Signature X Journal Description (Printed Name) D. Is delivery address different from If YES, enter delivery address I	C. Date of Delivery
9590 9402 8186 3030 5589 64 7019 0160 0000 0823 6492	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Restricted Delivery Vali Vali Restricted Delivery (over \$500)	Priority Mail Express® Registered Mail™ Registered Mail Restricted Delivery Signature Confirmation™ Signature Confirmation Restricted Delivery
PS Form 3811, July 2020 PSN 7530-02-000-9053	D	omestic Return Receipt



478	U.S. Postal Service [™] CERTIFIED MAIL [®] REC Domestic Mail Only	CEIPT
Ē	Hor delivery information, visit our websit	e at www.usps.com
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SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY Complete items 1, 2, and 3. Print your name and address on the reverse A. Signature so that we can return the card to you. X 0, Attach this card to the back of the mallplece, C. Date d or on the front if space permits. B. Received by (Printed Name) 1. Article Addressed to: 0 D. Is delivery address different from item 1? ruce Alene Carliv If YES, enter delivery address below: 01 nument, NM 3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail@ Priority Mail E: Registered Ma
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Collect on Delivery Restricted Delivery Article Number (Transfer from service label) 2. **Restricted Deli** DIG Insured Mail
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(over \$500) 0/60 PS Form 3811, July 2020 PSN 7530-02-000-9053 **Domestic Return** 2-000-9047 See Reverse for Instructions SEIIDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY complete items 1, 2, and 3. A. Signature Print your name and address on the reverse C Agent X o that we can return the card to you. Addressee Attach this card to the back of the mailpiece, B. Received by (Printed Name) C. Date of Delivery or on the front if space permits. 1. Article Addressed to: D. Is delivery address different from item 1? □ Yes If YES, enter delivery address below: D No Domt ity Managers office N 98240 Service Type 3 Priority Mail Express®
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 Collect on Delivery Restricted Delivery 2. Article Number (Transfer from service Jabel) Signature Confirmation 2 Insured Mail Insured Mail Restricted Delivery (over \$500) **Restricted Delivery** 104 0160 0000 0823 649 PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENCER: COMPLETE THIS SECTION COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse A. Signature b that we can return the card to you. X Attach this card to the back of the mailpiece, or on the front if space permits. B. Received by (Printed Name) 1. Article Addressed to: D. Is delivery address different fr If YES, enter delivery addres 3. Service Type Adult Signature
 Adult Signature Restricted Delivery 9590 9402 8186 3030 5589 40 Certified Mail® Certified Mail Restricted Delivery 2. Article Number (Transfer from service label) □ Collect on Delivery Collect on Delivery Restricted Delivery D Insured Mail Insured Mail Restricted Delivery (over \$500) PS Form 3811, July 2020 PSN 7530-02-000-9053 Do SENDER: COMP ETENTHIS SECTION COMPLETE THIS SEC Complete items , 2, and 3. A. Signature Print your name and address on the reverse so that we can return the card to you. X Attach this card to the block of the mailpiece, B. Received by (Printeo or on the front if space ermits. 1. Article Addressed to: D. Is delivery address dif If YES, enter delivery 3. Service Type Adult Signature Adult Signature Restricted De Certified Mail® Certified Mail Restricted Delive 9590 9402 8147 3030 3958 74 Collect on Delivery Article Number (Transfer from service label) Collect on Delivery Restricted g Insured Mail
 Insured Mail Restricted Deliver (over \$500) XX 101 PS Form 3811, July 2020 PSN 7530-02-000-9053



Sections
Lea County Roads

Parcels

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Parcel Details

OWNER NUMBER:	2245	UPC CODE:	4216109395136
PARCEL NUMBER:	4000022450002		

Owner Information		
Owner:	DCP MIDSTREAM LP	
Mailing Address:	RYAN LLC %	
Property Address:		

Subdivision Information			
Name:			
Unit:			
Block:			
Lot:			

Legal Information

Other Information			
Taxable Value:	\$14592642	Deed Book:	509
Exempt Value:	\$0	Deed Page:	339
Net Value:	\$14592642	District:	160
Livestock Value:	\$0	Section:	06
Manufactured Home Value:	\$0	Township:	19
Personal Property:	\$0	Range:	37
Land Value:	\$0	Date Filed:	19950301
Improvement Value:	\$0	Most Current Tax:	422471
Full Value:	\$43777926	Year Recorded:	

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

Building Information			
Year Built:		Number of Stories:	
Basement SQFT:		First Floor SQFT:	
Second Floor SQFT:			

Lea County, New Mexico Disclaimer Information deeded reliable but not guaranteed. Copyright © 2023 MAP TO BE USED FOR TAX PURPOSES ONLY. NOT TO BE USED FOR CONVEYANCE. NOTICE: THIS TAX BILL IS THE ONLY NOTICE YOU WILL RECEIVE FOR PAYMENT OF BOTH INSTALLMENTS OF YOUR 2023 PROPERTY TAX.

DCP OPERATING COMPANY, LP 6900 E. LAYTON AVE., STE. 900 DENVER CO 80237-3658 2023 TAX BILL

Remit to: SUSAN MARINOVICH LEA COUNTY TREASURER 100 N. MAIN AVE., SUITE 3C LOVINGTON, NEW MEXICO 88260-4000 (575) 396-8643

VISA

I PLEASE CHECK HERE AND USE THE BACK OF THIS COUPON FOR ADDRESS CHANGE.

BILL NO. ► 2023-1-IRB

OWNER NO. ►

Your mortgage company may be paying this bill: However, it is the responsibility of the property owner to ensure property taxes are paid Owners with mortgages should contact lender to determine responsibility for payment of tax

NET TAXABLE VALUES WILL BE ALLOCATED TO THE GOVERNMENTAL UNITS IN SCHOOL DISTRICT > 160

7 YEAR COMMERCIAL PERSONAL PROPERTY

15 YEAR COMMERCIAL PERSONAL PROPERTY

CERT MAIL: 7020 3160 0000 1299 8697





13201 NW Freeway, Suite 220 Houston, Texas 77040 T 713.533.8511 F 346.651.1985 www.eosolutions.net

November 13, 2024

CERTIFIED MAIL 7019 0160 0000 0823 6478 RETURN RECEIPT REQUESTED

Mr. Bruce Alene Carlin PO Box 188 Monument, NM 88265

Dear Mr. Carlin,

DCP Operating Company, LP, announces its application to the New Mexico Environment Department for the modification of the air quality permit for the Linam Ranch Gas Plant facility. The expected date of application submittal to the Air Quality Bureau is November 26, 2024.

The exact location for the facility, known as Linam Ranch Gas Plant, is at latitude 32 deg, 41 min, 43 sec and longitude -103 deg, 17 min, 07 sec. The approximate location of this facility is 7 miles west of Hobbs, New Mexico in Lea County. To reach the facility from Hobbs, NM, travel 7 miles west on Hwy 62/180. The facility is adjacent to the highway on the south side.

The purpose of the proposed modification is to retrofit two of the site's turbines—specifically those that power the refrigeration (32B) and sales gas (30) compressors—with SoLoNOx control technology to ensure compliance with NM's Regional Haze regulations. As part of this retrofitting process, there will be a slight increase in the total horsepower of each turbine.

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

Pollutant:	Pounds per hour	Tons per year
PM 10	10 pph	41 tpy
PM _{2.5}	7 pph	30 tpy
Sulfur Dioxide (SO ₂)	28,504 pph	86 tpy
Nitrogen Oxides (NO _x)	523 pph	914 tpy
Carbon Monoxide (CO)	1,872 pph	653 tpy
Volatile Organic Compounds (VOC)	6,100 pph	271 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	84 pph	56 tpy
Hydrogen Sulfide (H₂S)	271 pph	12 tpy
Green House Gas Emissions as Total CO2e	n/a	> 100,000 tpy

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

Owners and operators of the Facility is:

DCP Operating Company, LP, 2331 City West Blvd., Houston, TX 77042 Mr. Bruce Alene Carlin PO Box 188 Monument, NM 88265 November 13, 2024 Page 2

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

Permit Programs Manager New Mexico Environment Department Air Quality Bureau 525 Camino de los Marquez, Suite 1 Santa Fe, New Mexico; 87505-1816

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

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

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 505-629-3395.

Sincerely,

Elena L. Hofmann President EOSolutions 13201 NW Freeway, Suite 220 Houston, TX 77040

Notice of Non-Discrimination

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





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November 13, 2024

CERTIFIED MAIL 7019 0160 0000 0823 6485 RETURN RECEIPT REQUESTED

Mr. James H. Foley 513 Chaparral Dr. Belen, NM 87002

Dear Mr. Foley,

DCP Operating Company, LP, announces its application to the New Mexico Environment Department for the modification of the air quality permit for the Linam Ranch Gas Plant facility. The expected date of application submittal to the Air Quality Bureau is November 26, 2024.

The exact location for the facility, known as Linam Ranch Gas Plant, is at latitude 32 deg, 41 min, 43 sec and longitude -103 deg, 17 min, 07 sec. The approximate location of this facility is 7 miles west of Hobbs, New Mexico in Lea County. To reach the facility from Hobbs, NM, travel 7 miles west on Hwy 62/180. The facility is adjacent to the highway on the south side.

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Total sum of all Hazardous Air Pollutants (HAPs)	84 pph	56 tpy
Hydrogen Sulfide (H₂S)	271 pph	12 tpy
Green House Gas Emissions as Total CO2e	n/a	> 100,000 tpy

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

Owners and operators of the Facility is:

DCP Operating Company, LP, 2331 City West Blvd., Houston, TX 77042 Mr. James H. Foley 513 Chaparral Dr. Belen, NM 87002 November 13, 2024 Page 2

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

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Sincerely,

Elena L. Hofmann President EOSolutions 13201 NW Freeway, Suite 220 Houston, TX 77040

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November 13, 2024

CERTIFIED MAIL 7019 0160 0000 0823 6508 RETURN RECEIPT REQUESTED

Mr. Sam Cobb Mayor 200 E Broadway Street Hobbs, NM 88240

Dear Mayor Cobb,

DCP Operating Company, LP, announces its application to the New Mexico Environment Department for the modification of the air quality permit for the Linam Ranch Gas Plant facility. The expected date of application submittal to the Air Quality Bureau is November 26, 2024.

The exact location for the facility, known as Linam Ranch Gas Plant, is at latitude 32 deg, 41 min, 43 sec and longitude -103 deg, 17 min, 07 sec. The approximate location of this facility is 7 miles west of Hobbs, New Mexico in Lea County. To reach the facility from Hobbs, NM, travel 7 miles west on Hwy 62/180. The facility is adjacent to the highway on the south side.

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Total sum of all Hazardous Air Pollutants (HAPs)	84 pph	56 tpy
Hydrogen Sulfide (H ₂ S)	271 pph	12 tpy
Green House Gas Emissions as Total CO2e	n/a	> 100,000 tpy

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

Owners and operators of the Facility is:

DCP Operating Company, LP, 2331 City West Blvd., Houston, TX 77042 Mr. Sam Cobb Mayor 200 E Broadway Street Hobbs, NM 88240 November 13, 2024 Page 2

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:

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November 13, 2024

CERTIFIED MAIL 7019 0160 0000 0823 6492 RETURN RECEIPT REQUESTED

Mr. Manny Gomez Hobbs City Manager Office 301 North Turner Hobbs, NM 88240

Dear Mr. Gomez,

DCP Operating Company, LP, announces its application to the New Mexico Environment Department for the modification of the air quality permit for the Linam Ranch Gas Plant facility. The expected date of application submittal to the Air Quality Bureau is November 26, 2024.

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Volatile Organic Compounds (VOC)	6,100 pph	271 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	84 pph	56 tpy
Hydrogen Sulfide (H ₂ S)	271 pph	12 tpy
Green House Gas Emissions as Total CO2e	n/a	> 100,000 tpy

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

Owners and operators of the Facility is:

DCP Operating Company, LP, 2331 City West Blvd., Houston, TX 77042 Mr. Manny Gomez Hobbs City Manager Office 301 North Turner Hobbs, NM 88240 November 13, 2024 Page 2

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Elena L. Hofmann President EOSolutions 13201 NW Freeway, Suite 220 Houston, TX 77040

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Table of Notices Sent

Group	Contact Name	Address
Noticed Citizens	Mr. Bruce Alene Carlin	P. O. Box 188
		Monument, NM 88265
	Mr. James H. Foley	513 Chaparral Dr.
		Belen, NM 87002
Municipality	Mr. Manny Gomez	Hobbs City Manager Office
		301 North Turner
		Hobbs, NM 88240
City	Mr. Sam Cobb	Mayor
		200 E Broadway Street
		Hobbs, NM 88240



UTM Northing (Meters)

NOTICE

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Hydrogen Sulfide (H ₂ S)	271 pph	12 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	> 100,000 tpy

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The owner and operator of the Facility is: DCP Operating Company, LP, 2331 City West Blvd., Houston, TX 77042

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

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

Attención

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Linam Ranch Plant Entrance



Hobbs City Hall – Bulletin Board







Carter's Thriftway Posting

General Posting of Notices – Certification

1.5.14.24 1.5.14.24, the undersigned, certify that on **{DATE}**, posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the **City of Hobbs** of **Lea** County, State of New Mexico on the following dates:

- 1. Linam Ranch Gas Plant Facility Entrance
- 2. Hobbs City Hall 200 E Broadway St., Hobbs, NM 88240
- 3. Hobbs Public Library 509 N. Shipp St., Hobbs, NM 88240
- 4. Thriftway Supermarket 1317 N Turner St., Hobbs, NM 88240

Signed this 19th day of November, 2024

nerry

11-19-24 Date

Stacey 1 <u>)a</u>

Stacy Daly Environmental Specialist Title {APPLICANT OBRELATIONSHIP TO APPLICANT}

Radio Public Service Announcement

NOTICE OF AIR QUALITY PERMIT APPLICATION

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

The owner and operator of the Facility is: DCP Operating Company, LP, 2331 City West Blvd., Houston, TX 77042

The purpose of the proposed modification is to retrofit two of the site's turbines—specifically those that power the refrigeration (32B) and sales gas (30) compressors—with SoLoNOx control technology to ensure compliance with NM's Regional Haze regulations. As part of this retrofitting process, there will be a slight increase in the total horsepower of each turbine.

The Public Notice Posting of this proposed modification is posted at the following locations:

- 1. Linam Ranch Gas Plant Facility Entrance
- 2. Hobbs City Hall 200 E Broadway St., Hobbs, NM 88240
- 3. Hobbs Public Library 509 N. Shipp St., Hobbs, NM 88240
- 4. Thriftway Supermarket 1317 N Turner St., Hobbs, NM 88240

If you have any comments regarding this application, please send your comments to:

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

Submittal of Public Service Announcement – Certification

I, Amy Carruth, the undersigned, certify that on **November 15, 2024** submitted a public service announcement to **KZOR-KIXN-KPZA-KEJL-KLEA-KBIM FM-KBIM** that serves the City\Town\Village of **Hobbs, Lea** County, New Mexico, in which the source is or is proposed to be located and that **KZOR-KIXN-KPZA-KEJL-KLEA-KBIM FM-KBIM attached** are the emails sent to the Radio Station

Signed this 20 day of November 2024,

Signature

Amy Carruth Printed Name

Administrative Assistant_____ Title

Amy Carruth

From:Amy CarruthSent:Monday, November 18, 2024 1:48 PMTo:dawn@noalmark.comCc:Elena Hofmann; Jesse Babu; Ana NolazcoSubject:RE: Radio PSA

I'm following up to confirm whether the PSA for Linam Ranch aired on November 15. Please let me know at your earliest convenience. Thank you!

Regards,

Amy Carruth 832-932-9685 EOSolutions

From: Amy Carruth
Sent: Wednesday, November 13, 2024 10:49 AM
To: dawn@noalmark.com
Cc: Elena Hofmann <elena.hofmann@eosolutions.net>; Jesse Babu <jesse.babu@eosolutions.net>; Ana Nolazco
<ana.nolazco@eosolutions.net>
Subject: Radio PSA

Ms. Morgan,

Please find attached a Public Service Announcement that must be broadcast once on Friday, November 15th in the Hobbs (Lea County) area. If possible, please provide an affidavit from the station that the PSA was aired. An audio clip is not required but is very much appreciated.

Feel free to contact me if you have any questions.

Thank you in advance for your assistance in this matter.

Regards,

Amy Carruth Front Desk/Data Entry

13201 NW Freeway, Suite 220 Houston, TX 77040 T 832.932.9685 F 346.651.1985 www.eosolutions.net





CONFIDENTIALITY NOTICE

This message (including any attachments) contains information confidential to EOSolutions LLC. It is intended for a specific individual

time.

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Briefs

New generation of commercial space

vehicles

LOUISVILLE, Colo.-- Sierra Space, a leading commercial space company and defense tech prime that is Building a Platform in Space to Benefit Life on Earth, announced today a groundbreaking new technology in collaboration with the U.S. Department of Energy's Oak Ridge National Laboratory. The breakthrough development enables exterior spacecraft tiles that can withstand the high temperatures of re-entering Earth's atmosphere over multiple, frequent missions. This new Thermal Protection System (TPS) was created to meet the needs of a commercial space industry that is mov-ing at a faster pace than previous generations of spaceflight, and now requires more missions over shorter periods of time.

The team at Sierra Space and Oak Ridge National Laboratory leveraged more than three decades of experience with NASA's Space Shuttle program to design the new system. In the past, exterior tiles used on the Space Shuttle were only needed for an average of five missions per year. Entering the second quarter of the 21st century, increased launch frequency means that heat-protection designs for spacecraft must be stronger. Sierra Space's Dream Chaser ® spaceplane, for instance, is built for a minimum of 15 missions and is contracted

LEGAL

HEARING

STATE OF NEW MEXICO COUNTY OF LEA FIFTH JUDICIAL DISTRICT COURT

LEGAL NOTICE November 8, 15 and 22, 2024

IN THE MATTER OF THE ESTATE OF RONALD EDWARD BARNES, Deceased,

NOTICE OF HEARING BY PUBLICATION TO: UNKNOWN HEIRS OF RONALD EDWARD BARNES, DECEASED, AND ALL UNKNOWN PERSONS WHO HAVE OR CLAIM ANY INTEREST IN THE ESTATE OF RONALD EDWARD BARNES, DECEASED, OR IN THE MATTER BEING LITIGATED IN THE HEREINAFTER MENTIONED

Hearing on the Petition For Formal Testacy and Appointment of Personal Representative will be held

Appointment of Personal nepresentative will be held at the Lea County Courthouse in Lovington, New Mexico on January 14, 2025, at 11:30 AM using meet.google.com/fpg-ntsa-biy or by Phone (US) +1 440-467-2376 PIN: 934 464 295#. Pursuant to 45-1-401 NMSA 1978, notice of the time and place of hearing on said Application is hereby given you by publication, once each week for three consecutive weeks.

Case No. D-506-PB-2024-00081 Honorable Efren A. Cortez



with NASA for space sta-tion resupply missions with

a nine-month reprocessing

anti-vaccine activist

NEW YORK (AP) — Pres-ident-elect Donald Trump says he will nominate

anti-vaccine activist Robert

Kennedy as health

Trump chooses

secretary

"end the Chronic Disease epi-

demic" and "Make America

Kennedy is one of the

most prominent anti-vac-

cine activists in the world

and has long advanced the

get lawsuits over

in Senate contest

headed toward a

HARRISBURG, Pa. (AP)

Republicans went to court

in Pennsylvania on Thurs-

day amid vote counting in

the U.S. Senate election

between Democratic Sen. Bob Casey and Republican

David McCormick, as the

campaigns prepare for a recount and press counties for favorable ballot-counting

The lawsuits ask courts

not to allow counties to count mail-in ballots where

the voter didn't write a date

on the return envelope — as

cially with the contest head-

ed toward a state-mandated

LEGAL

ballot-counting

health issues.

recount

decisions.

Great and Healthy Again!"

ty to medical research and the social safety net programs Medicare and Medicaid.

"For too long, Americans have been crushed by the industrial food complex and drug companies who have engaged in deception, misinformation, and disinformation when it comes to Public Health," Trump said Thursday in a post on his Truth Social site announcing the LEGAL

OF

Kennedy, he said. would

LEGAL

required by law — or wrote an incorrect date. The GOP suits could be among many before the last vote in the Senate race is counted, espe-

appointment.



recount.

IN THE MATTER OF THE ESTATE

D-506-PB-2024-00109 Efren A. Cortez

DAVID M. NAVARRETTE, DECEASED

NOTICE OF PENDENCY OF ACTION AND HEARING ON PETITION FOR FORMAL TESTACY PROCEEDINGS

THE STATE OF NEW MEXICO, TO: ITTE STATE OF NEW MEXICO, TO: Jerri Navarrette, Carly Navarrette, Nicole Navarrette, Alyssa King, and Unknown Heirs of David M. Navarrette, Deceased, and all unknown persons claiming any lien upon or right, title or interest in or to the Estate of David M. Navarrette, Deceased, GREETINGS:

NOTICE IS HEREBY GIVEN that Jerri Navarrette NOTICE IS HEREBY GIVEN that Jerri Navarrette has filed with the above-named Court a Petition for Formal Probate and for Formal Appointment of Personal Representative and the hearing on the Petition for Formal Probate and for Formal Appointment of Personal Representative will be held before the Honorable Efren A. Cortez on the 16th day of January, 2024, a 11:45 o'clock P.M. with fifteen (15) minutes allocated for the telephonic hearing. hearing

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the District Court of Lea County, New Mexico, this October 30, 2024

Witness our hand and the seal of this Court. Dated October 18, 2024. (Seal)

Clerk of the District Court /s/ Nelda Cuella

RESPECTFULLY SUBMITTED: SAGE LEGAL PLANNING LAW FIRM, P.C. /s/ Katie G. Roehlk PO BOX 8064 Powerl M4 02022 Roswell, NM 88202 (575) 418-3034 Attorneys for Applicant #00295848

NELDA CUELLAR Clerk of the District Court Lea County, New Mexico By: <u>Alexia Franco</u> Deputy

Lewis C. Cox, III Heidel, Samberson, Cox & McMahon, LLC 311 N. First Street P.O. Drawer 1599 Lovington, NM 88260 T: (575) 396-5303 F: (575) 396-5305 #00295641

The Associated Press called the race for McCormick last week, concluding that not enough ballots remained to be counted in areas Casey was winning for him to take the lead.

debunked idea that vaccines **New FDA rules** cause autism and other for TV drug ads: Simpler language Pennsylvania courts and no distractions

WASHINGTON (AP) Those ever-present TV drug ads showing patients hiking, biking or enjoying a day at the beach could soon have a different look: New rules require drugmakers to be clearer and more direct when explaining their medications risks and side effects.

The U.S. Food and Drug Administration spent more than 15 years crafting the guidelines, which are designed to do away with industry practices that downplay or distract viewers from risk information.

NASONEX

AP PHOTO Nasonex television commercials broadcast in the U.S. in the 2000s.

Many companies have already adopted the rules, which become binding Nov. 20. But while regulators were drafting them, a new trend emerged: thousands of pharma influencers pushing drugs online with little oversight. A new bill in Congress would compel the FDA to more aggressively police such promotions on social media platforms.

"Some people become very attached to social media influencers and ascribe to them credibility that, in some cases, they don't deserve," said Tony Cox, professor

emeritus of marketing at Indiana University.

Still, TV remains the industry's primary advertising format, with over \$4 billion spent in the past year, led by block-buster drugs like weight-loss treatment Wegovy, according to ispot.tv, which tracks ads. Simpler language and no distractions

The new rules, which cover both TV and radio, instruct drugmakers to use simple, consumer-friendly language when describing their drugs, without medical jargon, distracting visuals or audio effects. A 2007 law directed the FDA to ensure that drug risk information appears "in a clear, conspicuous and neutral manner.

FDA has always required that ads give a balanced pic-ture of both benefits and risks, a requirement that gave rise to those long, rap-id-fire lists of side effects parodied on shows like " Saturday Night Live.'

LEGAL LEGAL LEGAL LEGAL

LEGAL NOTICE November 15, 2024

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

Pollutant:	Pounds per hour	Tons per year
PM ₁₀	10 pph	41 tpy
PM25	7 pph	30 tpy
Sulfur Dioxide (SO ₂)	28,504 pph	86 tpy
Nitrogen Oxides (NO _x)	523 pph	914 tpy
Carbon Monoxide (CÖ)	1,872 pph	653 tpy
Volatile Organic Compounds (VOC)	6,100 pph	271 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	84 pph	56 tpy
Hydrogen Sulfide (H2S)	271 pph	12 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	> 100.000 toy

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

The owner and operator of the Facility is: DCP Operating Company, LP, 2331 City West Blvd., Houston, TX 77042

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

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

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Affidavit of Publicatio

STATE OF NEW MEXICO COUNTY OF LEA

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

> Beginning with the issue dated November 15, 2024 and ending with the issue dated November 15, 2024.

Publisher

Sworn and subscribed to before me this 15th day of November 2024.

Business Manager

My commission expires January 29, 2027

(Seal) STATE OF NEW MEXICO NOTARY PUBLIC **GUSSIE RUTH BLACK** COMMISSION # 1087528 COMMISSION EXPIRES 01/29/2027

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

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ANA NOLAZCO EOSOLUTIONS 13201 NM FREEWAY SUITE 220 HOUSTON, TX 77040

Rays to play at Yankees' spring training field

ST. PETERSBURG, Fla. (AP)—The Tampa Bay Rays will play their 2025 home games at the New York Yankees' nearby spring training ballpark amid uncer-tainty about the future of hurricane-damaged Tropicana Field. Rays executives told The Associated Press.

Stuart Sternberg, the Rays' principal owner, said in an interview that Stein-brenner Field in Tampa is the best fit for the team and its fanbase. At about 11,000 seats, it's also the largest of the spring training sites in Florida.

"It is singularly the best opportunity for our fans to experience 81 games of major league Rays base-ball," Sternberg said. "As difficult as it is to get any of these stadiums up to major league standards, it was the least difficult. You're going to see Major League Baseball in a small environment.'

Baseball Commissioner Rob Manfred said the Ravs-Yankees deal is good for the sport and the Tampa Bay region.

"This outcome meets Major League Baseball's goals that Rays fans will see their team play next season in their home market and that their players can remain home without dis-ruption to their families," Manfred said in a news release

The Rays' home since 1998, the domed Tropicana Field in St. Petersburg was hit hard by Hurricane Milton on Oct. 9, with most of its fabric roof shredded and water damage inside. The city of St. Petersburg, which owns the Trop, released an assessment of the damage and repair needs that esti-mated the cost at \$55.7 million if it is to be ready for the start of the 2026 season.



The New York Yankees host the Detroit Tigers during their home opener spring training game at George M. Steinbrenner Field, March 20, 2022, in Tampa, Fla.

be approved by the city council, which earlier this year voted for a new \$1.3 billion, 30,000-seat stadium to replace Tropicana Field beginning in 2028. The new stadium is part of a much larger urban revitalization project known as the Historic Gas Plant District named for the Black community that once occupied the 86 acres (34 hectares) that includes retail, office and hotel space; a Black his-tory museum; and restau-

rants and bars. Amid all the uncertainty, the Rays know one thing: they will play 2025 in a smallish, outdoor ballpark operated by one of their main American League East division rivals. A ballpark with a facade mimicking that of Yankee Stadium in the Bronx and festooned with plaques of Yankee players whose numbers have been retired.

Brian Auld, the Rays co-president, said in an interview that Tampa Bay has to be ready for a regular-season MLB game March 27 against the Colorado Rockies, just three

The work would have to days after the Yankees break training camp.

> "There will be a ton of work toward putting in our brand," Auld said. "The term we like to use for that is "Rayful' into Steinbren-ner Field."

It will also come with some weather challenges in the hot, rainy Florida summer climate the Ravs didn't worry about in their domed ballpark. The Rays averaged about 16,500 fans per game during the 2024 season

The Yankees will receive about \$15 million in reve-nue for hosting the Rays, a person familiar with the arrangement told The Associated Press, speaking on condition of anonymi-ty because that detail was not announced. The money won't come from Tampa Bay but from other sources,

Once known as Legends Field, Steinbrenner Field opened in 1996 on Tampa's north side. It is named for longtime Yankees owner George Steinbrenner, who ran a shipbuilding company in Tampa and died at his home there in 2010. One

Santino Marucci have got-

ten the most snaps at the

position, but the pair have

combined for more inter-

ceptions (8) than touch-

down passes (7). Awad has

thrown for 518 yards and

Marucci has 439 yards

passing

from PAGE 9

of his sons, Yankees executive Hal Steinbrenner, was instrumental in getting the deal done with the Rays, Sternberg said

"This is a heavy lift for the Yankees. This is a huge ask by us and baseball of the Yankees," Sternberg said. "(Hal Steinbrenner) did not waver for one second. I couldn't have been more grateful.'

Hal Steinbrenner said in a news release that the Yankees are "happy to extend our hand to the Rays" and noted that the team and his family have "deep roots" in the Tampa Bay area.

"In times like these, rivalry and competition take a back seat to doing what's right for our community, which is continuing to help families and businesses rebound from the devasta-tion caused by Hurricanes Helene and Milton," he said. Pro teams in New Orleans made similar season-long

moves after Hurricane Katrina in 2005. The NFL's Saints played home games at multiple locations for one season while the Superdome was repaired, and the NBA's then-New Orleans Hornets played two seasons in Oklahoma City.

The Tampa Tarpons, one of the Yankees minor league teams, play their home games at Steinbren-ner Field during the summer. They will use baseball diamonds elsewhere in the training complex this sea-

It's not the first time a big league team will host regular season games in a spring training stadium. The Toronto Blue Jays played part of the 2021 season at their facility in Dunedin because of Canadi-an government restrictions during the COVID-19 pandemic.

Turnover trouble

New Mexico State has struggled with turnovers

overs in four games but committed a season-high five turnovers in the 41-28 loss to Western Kentucky.

and has turned the ball over 12 times while forcing just two turnovers combined in its last four games. The team got two interceptions last week for its first turn-

> I'd be doing this." According to

Paul will get \$40 million for the fight, a number he mentioned at another news conference in New York in August. Tyson, who had two stints in prison over convictions

in the 1990s for rape and assault and declared bankruptcy 21 years ago, will get \$20 million. Tyson has said he isn't doing the fight for money.

"That old Mike Tyson .. he doesn't have no more purpose in my life. He just doesn't exist," Tyson said.



Mike Tyson, front left, and Jake Paul, front right, face

off during a news conference ahead of their fight,

Wednesday, in Irving, Texas.

how concerned he was for

Tyson's health once he steps

"I'm nervous for both

reality is Jake's never been

hit by someone like Mike

Tyson flush on the chin. And

Mike hasn't fought someone

like Jake for a very long time. That's what makes

Paul said he had a vision

for the fight about two years ago and shared it with Tyson

because he thought the Hall

of Famer would understand — and be interested. It took

about that long for the bout

Tyson appeared agitated at

both hype events with fans

in the Dallas area, first in

the weeks before the orig-

inally scheduled fight and

again at a news conference

He was more reflective in a

smaller setting with report-

ers, suggesting he wasn't the

same foul-mouthed, scowl-

"I've been through so many

ups and downs since my last

Tyson said. "I've been in rehab. I've been in prison,

been locked up. Never in a million years did I believe

reports,

fight with Kevin McBride,'

ing fighter from his prime.

two nights before the bout.

this interesting."

to come together.

Bidarian said. "The

Tyson

from PAGE 9

in the ring.

men,"

said Tyson was cleared med-"I'm having a good time in ically weeks ago. Bidarian my life. I don't have much sidestepped a question of time left, so I'm having the

best time of my life.' Several states wouldn't sanction the bout. Texas agreed to a fight that was eight rounds instead of 10 or 12, with two-minute rounds instead of three, and heavier gloves designed to lessen the power of punches.

Paul has faced persistent questions about why he would fight someone so much older, regardless of Tyson's pedigree. His answers have been consistent.

"I say talk to Mike and tell Mike that," Paul said. "He's the one that wanted it to be a pro fight and me, as a young person in this sport, is not going to (pass) up the opportunity to fight the GOAT of boxing. It's like Ja Morant turning down a 1-v-1 against LeBron. It's not going to happen."

There is a high-profile championship fight on the card — the co-main event of Katie Taylor vs. Amanda Serrano.

Paul said he wanted to give the women a spotlight after their slugfest at sold-out Madison Square Garden in 2022. It was the first time women headlined a boxing event at the famous venue. Taylor won a split deci-

sion that many questioned. Bidarian and Paul say the rematch for the undisputed super lightweight title will be the most lucrative women's sporting event in history.

"A lot of people said the real main event is Tay-lor-Serrano," Bidarian said. "I'm OK if you feel that way. Jake has said he's more excited about that fight than his own fight. But we wanted to ensure the most eyeballs got to see that fight. To be quite honest with ourselves, Paul-Tyson draws a bigger audience.

NM State

from PAGE 9

son before a trip to Auburn next week followed by a visit from No. 5 Texas on Thanksgiving weekend.

"I think if the kids can understand, OK I've got to elevate within this process and push it to the limit within this process, I think that's what you're looking for," Elko said.

Replacing Moss

Texas A&M will play its first game without leading rusher Le'Veon Moss after he sustained a season-ending knee injury against South Carolina.

Moss leads the team with 765 yards rushing and 10 touchdowns. His performance is a big reason why Texas A&M ranks 14th in the country by averaging 212.9 yards rushing a game.

Indians

with 1:42 left in the quarter.

from PAGE 9

'A lot of things are on the table," Elko said. "Obviously, losing Le'Veon is a big loss. That's a lot of touches. We're going to have to figure out the right way to handle that. Another threat in A&M's running game is quarter-back Marcel Reed, who

is third on the team with 334 yards rushing and five scores. He is expected to make a second straight start after taking over in the sec-ond half against LSU and leading the comeback win.

Quarterback carousel New Mexico State has

Pac-12 after realignment, then finishes the regular season against Wyoming in the only season of a scheduling alliance with the Mountain West. The Pac-12 is rebuilding with Mountain West teams Utah State, Boise State, Fresno State, San Diego State and Colorado State for 2026.

New Mexico

New Mexico finishes its regular season at Hawaii after a bye week. Depending on the outcome Saturday, the game could be a final push for a bowl bid — most likely as Mountain West representative to the New Mexico Bowl in Albuquerque.



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The purpose of the proposed modification is to retrofit two of the site's turbines—specifically those that power the refrigeration (32B) and sales gas (30) compressors—with SoLoNOx control technology to ensu

Now they'll have to look to backup Amari Daniels to used four different quar-terbacks this season with none of them finding much success. Parker Awad and

carry more of the load. He's second on the team with 466 yards rushing. Texas A&M could also look to EJ Smith, a seldom-used senior who has just 107 yards rushing this year.

son. such as insurance.

The Indians' next possession, however, did end successfully – with a 17-yard keeper run for a touchdown by Holmstrom. And with another Alaniz extra point, the score was 21-0 with just three seconds remaining in the quarter.

Levelland's 37 But the Indians would soon

hand the ball back over on an interception

by the Lobos' Eryk Jones in the end zone

Levelland's ensuing possession lasted just two plays, because on the second, Seminole freshman Jaden Corrales made a leaping interception and set the Indians up at the Lobos' 35. Caton Cramer was a workhouse on the short drive, carrying for one yard, then 22, then six before being stopped on the next down for no gain at Levelland's six-vard line. So Seminole took to the air, and Holmstrom passed left Logan McCormick who turned and headed into the end zone. With yet another Alaniz extra point, the Indians led 28-0 as 9:52 remained in the second quarter.

Levelland closed to within 28-7 on an eightyard touchdown catch by Tobias Gavina and an extra point from Eli Randol, with 4:10 left in the half. But the Indians were soon back up by four touchdowns when Holmstrom lofted a 25-yard scoring pass to McCormick, followed by another Alaniz extra point to make it 35-7 with 1:33 to play in the half.

Even with that little time left before the break, each team managed to score another first-half touchdown - Levelland on a 68-yard pass down the right sideline from Ethan Salazar to Jones followed by a Randol extra point, and Seminole on a pass to Cramer, who ran through the Levelland defense along the right sideline after the catch for an 11-yard touchdown reception from Holmstrom, as just 26 seconds remained before halftime. Alaniz's sixth extra point had the Indians up 42-14.

Seminole remained in control throughout



Seminole's Caden Hice (31) tries to bring down Levelland's Ricky Rodriguez (8) during the first quarter of Thursday's UIL Bi-District playoff game against Levelland at Denver City High School's Mustang Stadium.

the second half. Though Levelland opened it by recovering an onside kick followed by a 60-yard touchdown run from Ricky Rodriguez and another Randol extra point, the Indians answered with a scoring drive that ended with a Mendoza touchdown run and Alaniz's seventh extra point.

And though Levelland continued to score touchdowns, so did the Indians, getting the rest of their scoring on a 25-yard touchdown catch by Stephen Davis, a 44-yard catch-andrun for a touchdown by Jaycen Robledo, and a 70-yard pick-six by Corrales, all followed by Alaniz extra point, making him 10-for-10 on PATs.

When the game was over and another Bi-District win was official, the Indians (10-1) could look ahead to the Area round and a talented team from Glen Rose (9-2).

"Oh, they're awesome, man," Poynor said. "They put us out last year, and we played a great game. That's something we've been working on for a year, we've been talking about Glen Rose. So we're getting our chance.'

"It's going to be a tough one," Holmstrom said. "We're going to have a long week of practice, everything's going to be studied. the minute details. It'll be a fun week.

ncrease in the total horsepower of each turbi

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

Pollutant:	Pounds per hour	Tons per year
PM 10	10 pph	41 tpy
PM 2.5	7 pph	30 tpy
Sulfur Dioxide (SO ₂)	28,504 pph	86 tpy
Nitrogen Oxides (NO _x)	523 pph	914 tpy
Carbon Monoxide (CO)	1,872 pph	653 tpy
Volatile Organic Compounds (VOC)	6,100 pph	271 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	84 pph	56 tpy
Hydrogen Sulfide (H ₂ S)	271 pph	12 tpy
Green House Gas Emissions as Total CO ₂ e	n/a	> 100,000 tpy

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

The owner and operator of the Facility is: DCP Operating Company, LP, 2331 City West Blvd., Houston, TX 77042

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

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

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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 inform español, por favor comuníquese con esa oficina al teléfono 505-629-3395.

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Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

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

> Beginning with the issue dated November 15, 2024 and ending with the issue dated November 15, 2024.

Publisher

Sworn and subscribed to before me this 15th day of November 2024.

Business Manager

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

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

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ANA NOLAZCO EOSOLUTIONS 13201 NM FREEWAY SUITE 220 HOUSTON, TX 77040

Section 10 Written Description of the Routine Operations of the Facility

<u>A written description of the routine operations of the facility</u>. 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.

Linam Ranch Gas Plant (Linam Ranch) is a natural gas processing plant permitted to process up to 227 MM standard cubic feet of natural gas per day. The natural gas processed at Linam Ranch is mostly methane but contains other hydrocarbons heavier than methane that can be condensed into liquids in the plant. The gas also contains impurities including water, hydrogen sulfide, and carbon dioxide.

The plant consists of an Inlet Receiving System, Amine Treater, Acid Gas Injection well, Sulfur Recovery Unit, Inlet Compression and Dehydration System, Cryogenic/Turbo Expander Plant with external Propane Refrigeration, Residue Compression, and Product Sales for Residue Gas, NGL Liquids, Stabilized Oil, Slop Oil, and Molten Liquid Sulfur. Additionally, the Fuel Gas Systems, Instrument and Starting Air Systems, Steam Systems, Cooling Towers, ESD Flare, Acid Gas Flare, Acid Gas Injection Flare and Drain Systems are supporting units that aid the processes. Processing operations involve chemical reaction processes, thermodynamic processes and physical processes. The chemical reactions that take place are exothermic in nature; that is, they generate heat.

Amine (DGA) Treating:

Amine treating is used to remove H₂S and CO₂ from the gas. This is known as the gas sweetening process. Amine treating is an exothermic chemical reaction process. The treating solution is made up of DGA (Diglycolamine) in water solution. This aqueous mixture is regenerated and reused. Lean DGA solution is pumped to the top of the Contactor (trayed tower) and allowed to flow downward. Sour inlet gas is fed into the bottom of the Contactor and flows upward. As lean DGA solution flows down through the Contactor, it comes into contact with the sour gas. The sour gas contains H₂S and CO₂, which react with the amine to form an amine sulfide complex and carbonate, i.e., the amine absorbs the H₂S and CO₂ and is known as sour (rich) amine. The remaining gas is known as sweet gas and leaves the Contactor containing less than 4 ppm of H₂S.

Rich DGA solution leaves the bottom of the Contactor and is fed into a flash tank so any absorbed hydrocarbons can be flashed out of the liquid prior to amine regeneration. Due to weak chemical bonds between the sour gas components and the DGA, H₂S and CO₂ can be stripped from the amine by heating up the amine at low pressures. Rich amine is fed into a stripper column known as a Still, which is operated at low pressure and high temperature. 45 # Steam is used to supply heat to the Still reboiler. H₂S, and CO₂, known as "Acid Gas", with small amounts of hydrocarbons and water vapors exit the top of the Still and normally routed to the Acid Gas Injection (AGI) well system. Alternately, during maintenance or upsets of the AGI system, the acid gas stream may be routed to the sulfur plant (SRU). The Lean DGA is now regenerated and leaves the stripper column to be cooled and recirculated to the Contactor.

Acid Gas Injection (AGI) System

Acid gas from the Amine Treating system routed to the AGI well located approximately 1 ½ miles north of the main Linam Ranch facility for injection into sub-surface strata. The AGI system consists of electrically driven compressors, tanks and ancillary devices. During normal operation of the AGI system, a low volume of gas is flared at the AGI flare. Under upset conditions that require depressurization of the AGI system, the acid gas contained within the system may be flared.

Waste Heat Recovery Units and Boilers:

The Linam Ranch (Volcano) Heat Recovery Unit is used to produce high pressure 250# steam from the Residue Turbine Exhaust. Additionally, two (2) fuel gas Fired Boilers producing 250# steam are available. This 250# steam is used primarily to operate the various Steam Driven Turbines throughout the plant. Some of the 250# Steam is used to supply heat for the stabilizer reboiler.

Cooling Water System:

The cooling water system is a thermodynamic process that provides cooling for process and utility services. Water is circulated from the South Cooling Tower to various heat exchangers and then back to the cooling tower. The North Cooling Tower is a

'Bay Tower' with cooling water circulated over exposed process coils. To minimize corrosion, scaling, and fouling of plant equipment, chemicals are added to the cooling water. This chemical addition also helps control microbiological growth in the Cooling Towers, since these systems are open to the atmosphere and microbiological growth can be a problem.

Stabilized, Unstabilized, and Produced Water Product System:

The stabilized product system is a heat added process, which is used to reduce the vapor pressure of inlet condensate, and closed drain liquids. Inlet liquids are sent to the stabilizer feed tanks where their pressure is reduced to allow certain light hydrocarbons to flash off to the gathering system. From the stabilizer system feed tanks, the liquid condensate is fed to the stabilizer tower where the pressure is further reduced, and the process is heated significantly to flash off more of the light hydrocarbons. The stabilized liquids are dumped to the two (2) stabilized condensate storage tanks, pressurized at 2 to 3 psig, and are pumped to a sales pipeline or shipped by truck. The produced water from the stabilized tower is routed to the two (2) produced water storage tanks, pressurized at 2 to 3 psig, and disposed offsite via trucks. The unstabilized inlet condensate liquid is routed to the seven (7) unstabilized condensate storage tanks, pressurized at 50 psig, and are pumped to a sales pipeline or shipped by truck.

The stabilized and unstabilized condensate tanks' vent release are captured with integrated dual vapor recovery unit (TK-VRU) and produced water storage tanks' vent release are captured with integrated dual vapor recovery unit (TK-PWVRU). These VRUs at the facility are inherent to the process and design of the facility. The VRUs are designed to recover vapors and return the vapors back into the low-pressure gathering system. Secondary VRUs are being used if the primary VRU is down. For condensate tanks, if both the primary and secondary VRUs are down or if the flare set pressure of 65 psig is exceeded, the vent is routed to the site main flare, ESD flare, Unit ID 4A.

Triethylene Glycol (TEG) and Molecular Sieve Dehydration (Mole Sieve):

Process gas is dehydrated to prevent hydrate formation in the turbo expander, the process gas is dehydrated using a dual-system approach at the Linam Ranch Gas Plant. This system includes both a triethylene glycol (TEG) dehydration unit and a molecular sieve (mole sieve) dehydration unit to ensure complete removal of water vapor from the natural gas before it enters into the cryogenic process of the gas plant.

The wet natural gas first passes through a TEG contactor (absorber) tower where it comes into contact with TEG, a liquid desiccant known for its affinity for water. As the gas flows upward through the tower the TEG flows downward. As they contact, the TEG absorbs the water vapor. This is the first step in the dehydration process of the gas. After the natural gas has been dried in the TEG contactor tower, the natural gas stream flows into the molecular sieve dehydration towers. These towers are filled with a molecular sieve desiccant, which absorbs any remaining trace amounts of water vapor from the gas, preparing it for the cryogenic section of the gas plant.

The water-laden TEG, referred to as rich glycol, exits the bottom of the absorber and flows into a flash tank before entering the regeneration equipment. The flash tank reduces the pressure of the rich glycol, releasing some light hydrocarbons and entrained gases. These hydrocarbons are recycled back into the low-pressure inlet of the gas plant. The rich glycol, now with reduced hydrocarbon content, is heated in a regenerator (reboiler) at high temperatures. This process causes the absorbed water to vaporize, separating it from the TEG. The vaporized water is then condensed and removed from the system. Vent gas from the condenser is routed to the site's flare (Unit 4A) for destruction. The regenerated, or dried, TEG is cooled and recycled back to the contactor tower in a closed loop system to continuously absorb water vapor from the incoming wet gas.

Molecular sieve dehydration is a solid bed adsorption process used to remove moisture from the inlet gas. There are four packed towers in the Linam Ranch system. Three towers are dehydrating gas while the other is being regenerated. The towers are packed with a molecular sieve desiccant. The Linam Ranch mole sieve is a Type 4A sieve (pore size) and does not slip minor amounts of H₂S. This trace contaminant of H₂S and Water Vapor are released from the mole sieve in the regeneration cycle.

The mole sieve is a crystalline aluminosilicate material selected for its ability to absorb water. Water is removed from the gas due to a weak bonding reaction between the solid mole sieve desiccant and water. The bonding action generates only a small amount of heat. Fresh molecular sieve can absorb about 10% of its weight in water. Sweet gas compressed to about 660 psig flows from the top of the mole sieve packed tower to the bottom of the tower. As the gas flows downward, the mole sieve adsorbs water and other trace contaminants. The moisture content of the mole sieve is monitored and once it becomes saturated, it must be regenerated. Regeneration of a tower is accomplished by passing hot (450°F+)-residue gas through the tower from the bottom to the top of the tower. The hot gas breaks the water/desiccant weak bond and absorbs the free water and removes it from the tower.

The regeneration (regen) gas is cooled downstream of the desiccant beds so absorbed water will condense and drop out of the regen gas stream. After the water is separated from the regen gas in a separator, the gas is further cooled in the Regeneration

Gas Propane Chiller Unit to remove additional water vapors and then is compressed to the Residue Compression System and into the residue gas sales stream.

Cryogenic / Turboexpander Plant:

The purpose of the Cryogenic Plant is to recover the natural gas liquids (NGL) from the Plant feed gas. The NGL product is composed of ethane and heavier hydrocarbons when the plant is operated in ethane recovery mode and the residue gas is mostly methane. The plant can also be operated in an ethane rejection mode where most of the ethane will be rejected from the NGL product and into the residue gas stream.

The inlet gas passes through the Dehydration Outlet Filters to remove solid particles that can potentially plug downstream equipment. The inlet gas is then split into two streams. The first stream goes to the Inlet Gas Chiller and the second goes to the Demethanizer Reboiler. The main inlet gas stream enters the Inlet Gas Chiller, which is a multiple stream, brazed aluminum plate-fin exchanger. Physically, the exchanger is combined with the Reflux Condenser. The inlet gas is cooled to -60 °F by cross exchanging with the residue gas, and with propane refrigerant. The other portion of the inlet gas is cooled to -76 °F by cross exchanging with the Demethanizer bottom liquid product, reboiling the Demethanizer liquids, and heating the liquid stream from the Expander Inlet Separator. The chilled inlet gas stream is then combined with the inlet gas from the outlet of the Inlet Gas Chiller.

The combined stream enters the Expander Inlet Separator where the condensed liquids are separated from the vapors. The vapors flow to the Turbo Expander and the liquid flows to the Liquid Gas Exchanger. The gas enters the Turbo Expander and the pressure is let down isentropically to about 170 psig. The energy released from the expansion, 2150 BHP, is used to drive the Booster Compressor. The expansion process cools the gas to -150 °F. If the Turbo Expander/Booster Compressor is removed from service, flow can be bypassed around the unit by using the J-T valve to throttle the pressure. After the Turbo Expander, the inlet gas enters the Demethanizer. The liquid from the Expander Inlet Separator flows through the Liquid Gas Exchanger to the Cold Gas Separator.

In the Cold Gas Separator, the vapor is separated from the liquid. The liquid flows to the Demethanizer and the vapors flow to the Reflux Condenser. In the Reflux Condenser, the vapors from the Cold Gas Separator are condensed to provide reflux at the top section of the Demethanizer using cold residue gas from the overhead of the Demethanizer. The exchanger is a brazed aluminum plate-fin exchanger and is physically attached to the Inlet Gas Chiller.

The Demethanizer accomplishes the separation of the inlet gas into the residue gas and NGL product that meets the required specifications. The residue gas leaves as column overhead and is composed mostly of methane. In the ethane rejection mode the residue gas will contain an increased amount of ethane and propane. The NGL product, which is composed of ethane and heavier hydrocarbons, leaves as the column bottoms. During ethane rejection most of the Demethanizer reboiler passes will be bypassed and the Demethanizer Trim Reboiler will be the operational reboiler. The Demethanizer Trim Reboiler is a once through reboiler using condensing 45# steam. From the Demethanizer the residue gas flows to the Reflux Condenser and the NGL product flows to the Demethanizer Bottoms Transfer Pumps.

From the Demethanizer, the NGL is pumped by the Demethanizer Bottoms Pump to the NGL Product Heater. During ethane rejection the NGL bypasses the NGL Product Heater and goes directly to the NGL Storage Tank. The residue gas flows to the Reflux Condenser and the Inlet Gas Chiller where the residue gas is heated by the Inlet gas stream. During ethane rejection there will not be a vapor flow coming from the Cold Gas Separator, but the residue gas will still flow through the Reflux Condenser.

The residue gas enters the Booster Compressor where it is compressed to 215 psig. The gas flows to the Booster Compressor Aftercooler, a forced draft air cooled exchanger. A side stream is taken off at the discharge of the Booster Compressor as warm regen gas that goes to the Regeneration Gas Heater. Downstream of the Booster Compressor Aftercooler part of the residue gas is taken for fuel gas to run the plant. Further downstream, past the existing Cooling Tower, a side stream is taken as cool regeneration gas to the Dehydrators with the remainder of the residue gas continuing to the Residue Compression System.

Propane Refrigeration System:

The purpose of the Propane Refrigeration System is to provide the additional refrigeration required at the Inlet Gas Chiller to achieve high ethane recoveries at the cryogenic plant. The refrigeration system also supplies refrigeration duty to the Regen Gas Chiller to cool the regen gas to achieve the required water specification on the residue gas and to the Refrigeration Compressor Lube Oil Cooler. Refrigeration is supplied at -37 °F and at 18 °F for the Inlet Gas Chiller and at 40 °F for the Regen Gas Chiller.

Water Wash System:

A 200-MMscfd Water Wash System is operating at the facility. The process makes use of the existing utilities including electrical power, steam, cooling water, plant and acid gas flare(s), and instrument air. All heat trace is sourced from the 40# steam system. A stand-alone Reverse Osmosis water treatment system provides make-up water for the Water Wash System and replacement Boilers. Waste water from the Still Reflux Accumulator and Still Bottoms are dumped to the existing water holding tanks (referred to as the "A" Tanks). Vapors from the Still Inlet Surge Tank and Reflux Accumulator discharge to the low-pressure gathering system or to the existing plant flare if the gathering system is inaccessible. NGL from the Still Inlet Surge Tank and Reflux Accumulator are dumped to a battery of existing holding tanks (referred to as the "B" Tanks). In general, lighter than air releases are vented to the atmosphere and heavier than air releases are vented to the Plant Flare. Blanket gas to the Still Inlet and Bottoms Surge Tanks are sourced from the Residue System.

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, <u>Single Source Determination Guidance</u>, which may be found on the Applications Page in the Permitting Section of the Air Quality Bureau website.

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

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

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

<u>SIC</u> <u>Code</u>: 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

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

⊠ Yes □ No

<u>Contiguous or Adjacent</u>: 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, <u>does not</u> constitute the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes (A permit may be issued for a portion of a source). The entire source consists of the following facilities or emissions sources (list and describe):

Section 12 Section 12.A PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

<u>A PSD applicability determination for all sources</u>. 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 <u>EPA New Source Review Workshop Manual</u> to determine if the revision is subject to PSD review.

- A. This facility is:
 - **a** minor PSD source before and after this modification (if so, delete C and D below).
 - □ a major PSD source before this modification. This modification will make this a PSD minor source.
 - an existing PSD Major Source that has never had a major modification requiring a BACT analysis.
 - □ an existing PSD Major Source that has had a major modification requiring a BACT analysis
 - **a new PSD Major Source after this modification.**
- B. This facility is not one of the listed 20.2.74.501 Table I PSD Source Categories. The "project" emissions for this modification are not significant. The proposed emission increases do not exceed the PSD significance thresholds. 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, this project does not result in "de-bottlenecking", or other associated emissions resulting in higher emissions. See Table 1-1 in section 6 with project emissions details and PSD significance levels. The project emissions are as follows, below significance threshold levels:
 - a. NOx: -112.82 TPY
 - b. CO: -19.27 TPY
 - c. VOC: -10.24 TPY
 - d. SO2: -1.27 TPY
 - e. PM10: -0.02 TPY
 - f. PM2.5: -0.02 TPY
- C. Netting is not required (project is not significant modification).

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

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

The proposed modification consists of the following changes and updates to permit representations:

1) Retrofit the existing two (2) turbine engines (Unit IDs 30 and 32B) with SoLoNOx controls to meet the Regional Haze rules of NM.

The Linam Ranch Gas Plant is a PSD major source as the facility's potential to emit emissions are greater than 250 tpy of NO_x , and CO. Therefore, a determination is made below to show that the proposed changes do not result in a significant emission increase above thresholds requiring a netting analysis.

2) Increase these two turbines' engines (Unit IDs 30 and 32B) rated horsepower (HP) that is a direct result of the SoLoNox control upgrade.

There are no physical changes occurring at the plant site apart from the installation of the SoLoNOx controls. The processing rate of the plant remains the same, and there is no new processing equipment being added nor are any new emissions sources being installed with this permit.

Table 1-1 in Section 1 and attached to this section shows the baseline actual emissions and the proposed project emissions as a result of the changes proposed in this application for the applicable emission units. The emission increase is compared to the PSD significance thresholds. The changes proposed in this application do not result in an increase in emissions above the PSD significance thresholds.

Table 1-1 Project Requested Allowable Emissions (Represented in NMED Table 2-E) DCP Operating Company, LP Linam Ranch Gas Plant Lea County, New Mexico													
Linit #	Source Deparintion	N	0 _x	C	:0	V	00	S	0 ₂	PI	N ₁₀	PN	A _{2.5}
Unit #	Source Description	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
Proposed Emissio	ons												
30	Turbine	4.64	18.31	4.71	18.57	0.24	0.96	0.05	0.21	0.510	2.02	0.51	2.02
32B	Turbine	3.98	15.77	4.85	19.23	0.13	0.50	0.03	0.11	0.262	1.05	0.26	1.05
Existing Allowable	e Emissions												
30	Turbine	11.26	49.32	9.02	39.51	0.31	1.36	0.25	1.10	0.488	2.14	0.488	2.14
32B	Turbine	23.72	103.88	4.38	19.19	2.50	10.94	0.12	0.54	0.239	1.05	0.239	1.05
	REVISED PROJECT EMISSION TOTALS	8.62	34.08	9.56	37.80	0.37	1.45	0.08	0.33	0.772	3.073	0.772	3.073
	BASELINE ACTUAL EMISSIONS TOTALS (1)		146.90		57.06		11.69		1.59		3.093		3.093
EXISTING ALLOWABLE EMISSION TOTALS		34.98		13.40		2.81		0.37		0.727		0.727	
EMISSIONS INCREASES		-26.36	-112.82	-3.84	-19.27	-2.44	-10.24	-0.29	-1.27	0.045	-0.020	0.045	-0.020
	PSD Significance Level		40		100		40		40		15		10
	Exceeds Thresholds?		No		No		No		No		No		No

(1) Baseline actual emissions are the average of actual emissions in 2014 and 2015, the baseline years.

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: <u>http://cfpub.epa.gov/adi/</u>

Table for State Regulations:

<u>State</u> <u>Regulation</u> Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Facility	20.2.3 NMAC is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentration of, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. The TSP NM ambient air quality standard was repealed by the EIB effective November 30, 2018.
20.2.7 NMAC	Excess Emissions	Yes	Facility	If your entire facility or individual pieces of equipment are subject to emissions limits in a permit or numerical emissions standards in a federal or state regulation, this applies.
20.2.23 NMAC	Fugitive Dust Control	No	Facility	Facility is subject to a permit issued pursuant to the NM Air Quality Control Act (20.2.23.108.B NMAC).
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	This facility does not have existing gas burning equipment having a heat input of greater than 1 million British Thermal Units per year per unit. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.33.108 NMAC.
20.2.34 NMAC	Oil Burning Equipment: NO ₂	No	N/A	This facility does not have oil burning equipment having a heat input of greater than 1 million British Thermal Units per year per unit. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.34.108 NMAC.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	Yes	Facility	This facility is subject to the requirements of NMAC 2.35 for "New Natural Gas Processing Plants for which a modification commenced on or after July 1, 1974". This facility meets the requirements established under 20.2.35.100.A-D NMAC.
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	N/A	N/A	These regulations were repealed by the Environmental Improvement Board. If you had equipment subject to 20.2.37 NMAC before the repeal, your combustion emission sources are now subject to 20.2.61 NMAC.
20.2.38 NMAC	Hydrocarbon Storage Facility	Yes	B1 through B5, 400A through 400F	This regulation could apply to storage tanks at petroleum production facilities, processing facilities, tanks batteries, or hydrocarbon storage facilities. The subject storage tanks comply by controlling emissions with VRUs.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	This regulation establishes sulfur emission standards for sulfur recovery plants which are not part of petroleum or natural gas processing facilities. This regulation does not apply as 20.2.35 NMAC applies.
20.2.50 NMAC	Oil and Gas Sector – Ozone Precursor Pollutants	Yes	Facility	 This regulation establishes emission standards for volatile organic compounds (VOC) and oxides of nitrogen (NOx) for oil and gas production, processing, compression, and transmission sources. 20.2.50 NMAC subparts below: Include the construction status of applicable units as "New", "Existing", "Relocation of Existing", or "Reconstructed" as defined by this Part in your justification: Check the box for the subparts that are applicable: ⊠ 113 – Engines and Turbines (Existing 6, 7, 10, 11, 28, 29, 30, 31, 32B) ⊠ 114 – Compressor Seals ⊠ 115 – Control Devices and Closed Vent Systems ⊠ 116 – Equipment Leaks and Fugitive Emissions (Existing) □ 117 – Natural Gas Well Liquid Unloading □ 118 – Glycol Dehydrators □ 119 – Heaters

<u>State</u> <u>Regulation</u> Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
				 120 - Hydrocarbon Liquid Transfers (Existing Unit LOAD-STAB, LOAD-UNSTAB, and LOAD-PW) 121 - Pig Launching and Receiving 122 - Pneumatic Controllers and Pumps 123 - Storage Vessels 124 - Well Workovers 125 - Small Business Facilities 126 - Produced Water Management Unit 127 - Flowback Vessels and Preproduction Operations
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	Facility	This regulation that limits opacity to 20% applies to Stationary Combustion Equipment, such as engines, boilers, heaters, and flares unless your equipment is subject to another state regulation that limits particulate matter such as 20.2.19 NMAC (see 20.2.61.109 NMAC). This facility was subject to the repealed regulation 20.2.37 NMAC; therefore, it is now subject to 20.2.61 NMAC.
20.2.70 NMAC	Operating Permits	Yes	Facility	This regulation establishes requirements for obtaining an operating permit. This facility is a major source of NOx, CO, and VOC and complies by operating under Title V Permit P094-M2.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	This regulation establishes a schedule of operating permit emission fees. The facility is subject to 20.2.70 NMAC and is therefore subject to requirements of this regulation.
20.2.72 NMAC	Construction Permits	Yes	Facility	This regulation establishes the requirements for obtaining a construction permit. The facility is a stationary source that has potential emission rates great than 10 pounds per hour or 25 tons per year of any regulated air contaminant for which there is a National or New Mexico Air Quality Standard. The facility has a construction permit (NSR Permit) 39-M9 to meet the requirements of this regulation.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	This regulation establishes emission inventory requirements. The facility meets the applicability requirements of 20.2.73.300 NMAC. The facility will meet all applicable reporting requirements under 20.2.73.300.B.1 NMAC.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	Yes	Facility	This regulation establishes requirements for obtaining a PSD permit. This facility is a major source for PSD purposes and is in compliance with the applicable requirements of this regulation.
20.2.75 NMAC	Construction Permit Fees	No	N/A	This regulation establishes the guidelines and requirements for construction permitting fees. This facility is subject to 20.2.72 NMAC and is in turn subject to 20.2.75 NMAC. This facility is exempt from annual fees under this part (20.2.75.11.E NMAC) as it is subject to fees pursuant to 20.2.71 NMAC.
20.2.77 NMAC	New Source Performance	Yes	2, 4A, 28, 29, 30, 31 32B, 34, 36, 37, FUG, AM-10,	The facility is subject to this regulation as this is a stationary source which is subject to the requirements of 40 CFR Part 60, as amended through January 15, 2017. The following regulations apply: • Subpart A • Unit 2 • Unit 4A • All other units listed below • Subpart Dc • 34, 36, and 37 • Subpart GG • 29-31 • 32B • Subpart KKK • FUG • Subpart KKKK • 28, 30, 32B

<u>State</u> <u>Regulation</u> Citation	Title	Applies ? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
				 Subpart OOOO Equipment added in NSR 0039-M6 28 AM-10
20.2.78 NMAC	Emission Standards for HAPS	Yes (Potentially)	Facility	This regulation applies to all sources subject to a 40 CFR 60 regulation, as amended through January 15, 2017. Although this standard does not apply to this facility under routine operating conditions, in the case of asbestos demolition, Subpart M would apply.
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	This regulation establishes the requirements for obtaining a nonattainment area permit. The facility is located in an attainment area and, therefore, is not subject to this regulation.
20.2.80 NMAC	Stack Heights	No	N/A	This regulation establishes requirements for the evaluation of stack heights and other dispersion techniques. This regulation does not apply as all stacks at the facility follow good engineering practice.
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	6, 7, 10, 11, 28, 30, 32B, 34, 36, 37, DH- 10	 This regulation established state authority to implement MACT Standards for source categories of HAPs. This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63, as amended through January 15, 2017. The following regulations apply: Subpart A All units listed below Subpart HH DH-10 Subpart YYYY 28, 30, 32B Subpart ZZZZ 6, 7, 10 and 11 Subpart DDDDD 34, 36, and 37

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

<u>Federal</u> <u>Regulation</u> Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 50	NAAQS	Yes	Facility	This regulation defines national ambient air quality standards. The facility meets all applicable national ambient air quality standards for NO _x , CO, SO ₂ , PM ₁₀ , and PM _{2.5} under this regulation.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	2, 4A, 28, 29, 30, 31 32B, 34, 36, 37, FUG, AM- 10	 This regulation defines general provisions for relevant standards that have been set under this part. The facility is subject to this regulation because the following subparts apply: Subpart A Unit 2 Unit 4A All other units listed below Subpart Dc 34, 36, and 37 Subpart GG 29-31 32B Subpart KKK FUG Subpart KKKK 28, 30, 32B Subpart OOOO Equipment added in NSR 0039-M6

<u>Federal</u> <u>Regulation</u> Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
				 ○ 28 ○ AM-10
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for Electric Utility Steam Generating Units	No	N/A	This regulation establishes standards of performance for electric utility steam generating units. This regulation does not apply because the facility does not operate any electric utility steam generating units.
NSPS 40 CFR60.40b Subpart Db	Electric Utility Steam Generating Units	No	N/A	This regulation establishes standards of performance for industrial-commercial- institutional steam generating units. There are no steam generating units that commenced construction, modification, or reconstruction after June 19, 1984, and that have a heat input capacity greater than 100 MMBtu/hr at the facility.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial- Commercial- Institutional Steam Generating Units	Yes	34, 36, and 37	This regulation establishes standards of performance for small industrial- commercial-institutional steam generating units. Units 34, 36, and 37 will be installed or modified after June 9, 1989 with a heat input capacity greater than or equal to 10 MMbtu/hr but less than 100 MMbtu/hr. The units will only burn natural gas and therefore will not be subject to performance tests, reporting requirements, or emission limits under this regulation. The facility will follow all record keeping requirements for these units.
NSPS 40 CFR 60, Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	No	N/A	This regulation establishes standards of performance for petroleum liquids for which construction, reconstruction, or modification commenced after May 18, 1978, and prior to July 23, 1984. The pressurized condensate tanks and produced water tanks at the facility were constructed in 1954 and are therefore not subject to this regulation.
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which		N/A	This regulation establishes standards of performance for petroleum liquids for which construction, reconstruction, or modification commenced after July 23, 1984. The pressurized condensate tanks and produced water tanks at the facility were constructed in 1954 and are therefore not subject to this regulation.

Federal <u>Regulation</u> Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
	Construction, Reconstructi on, or Modification Commenced After July 23, 1984	No		
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	Yes	29, 30, 31 and 32B	This regulation establishes standards of performance for certain stationary gas turbines. The turbines at Linam Ranch all have heat inputs greater than the 10 MMBtu/hour were installed on after the October 3, 1977, applicability date and prior to February 18, 2005.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	Yes	Facility	Linam Ranch is an affected facility as it is an onshore natural gas processing plant that commenced construction, reconstruction, or modification after January 20, 1984. The group of all equipment (each pump, pressure relief device, open-ended valve or line, valve, compressor, and flange or other connector that is in VOC service or in wet gas service, and any device or system required by this subpart) except compressors (defined in § 60.631) within a process unit is an affected facility. A compressor station, dehydration unit, sweetening unit, underground storage tank, field gas gathering system, or liquefied natural gas unit is covered by this subpart if it is located at an onshore natural gas processing plant. If the unit is not located at the plant site, then it is exempt from the provisions of this subpart. Linam Ranch has instituted a Leak Detection and Repair program and submits
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing : SO ₂ Emissions	Yes	Facility	reports twice annually. This regulation establishes standards of performance for SO ₂ emissions from onshore natural gas processing for which construction, reconstruction, or modification of the amine sweetening unit commenced after January 20, 1984, and on or before August 23, 2011. The sweetening units produce acid gas that is completely re-injected into geologic strata or that is otherwise not released to the atmosphere; pursuant to §60.640(e) the sweetening units are not subject to this subpart.
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction, modification or reconstruction commenced after August 23, 2011 and before September 18, 2015	Yes	Equipment leaks associate with equipment added in NSR 39 M6, 28, AM- 10	This regulation establishes emission standards and compliance schedule for the control of volatile organic compounds (VOC) and sulfur dioxide (SO ₂) emissions from affected facilities that commence construction, modification or reconstruction after August 23, 2011. The following are equipment constructed after August 23, 2011, and subject to this regulation: Turbine (Unit 28), and equipment leaks associated with the equipment added in NSR 39-M6R1. The acid gas from the amine unit (sweetening unit) at the facility is completely injected into oil or gas-bearing geological strata (AGI wells) and is not subject to 60.5405 through 60.5407, 60.5410(g), and 60.5423 of this subpart [per NSPS OOOO 60.5365(g)(4)]. When the acid gas flare is used during planned SSM and, the acid gas is not sent to the AGI wells, the facility is subject to SO ₂ standards for the amine unit. Since the flare will be used as a control device during planned SSM, the flare is subject to NSPS 60.18. The facility will comply with this regulation upon startup.
NSPS 40 CFR Part 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstructio	No	N/A	This regulation establishes standards of performance for crude oil and natural gas production, transmission and distribution. The facility does not have any affected units that have been modified or reconstructed after September 18, 2015 or before December 6, 2022.

<u>Federal</u> <u>Regulation</u> Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
	n Commenced After September 18, 2015			
NSPS 40 CFR Part 60 Subpart OOOOb	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstructio n Commenced After December 6, 2022	No	N/A	This regulation establishes standards of performance for crude oil and natural gas production, transmission and distribution. The pressurized tanks at this facility have the potential to emit less than 6 tpy and therefore are not subject to this regulation.
NSPS 40 CFR 60 Subpart IIII	Standards of peormance for Stationary Compression Ignition Internal Combustion Engines	No	N/A	This regulation establishes standards of performance for stationary compression ignition internal combustion engines. All engines at this facility commenced construction prior to July 11, 2005. This regulation does not apply.
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	No	N/A	This regulation establishes standards of performance for stationary spark ignition internal combustion engines. All engines at this facility commenced construction prior to June 12, 2006. This regulation does not apply.
NSPS 40 CFR Part 60 Subpart KKKK	Standards of Performance for Stationary Combustion Turbines	Yes	28, 30, 32B.	This regulation establishes standards of performance for new stationary gas turbines. Unit 28 is subject to this regulation as the unit commenced construction after February 18, 2005. Units 30 and 32B are subject to this regulation as these units are being modified in this NSR permit revision application.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	This facility does not have any affected equipment; therefore, this subpart does not apply.
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	This facility does not have any affected equipment; therefore, this subpart does not apply.
NSPS 40 CFR 60, Subparts WWW	Standards of performance for Municipal Solid Waste	No	N/A	

Federal <u>Regulation</u> Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
XXX, Cc, and Cf	(MSW) Landfills			This facility does not have any affected equipment; therefore, this subpart does not apply.
NESHAP 40 CFR 61 Subpart A	General Provisions	Potentially	N/A	This part applies to the owner or operator of any stationary source for which a standard is prescribed under this part. There is one potentially applicable NESHAP. (See discussion of 40 CFR 61, part M below.)
NESHAP 40 CFR 61 Subpart E	National Emission Standards for Mercury	No	N/A	The provisions of this subpart are applicable to those stationary sources which process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, and incinerate or dry wastewater treatment plant sludge. This subpart does not apply.
NESHAP 40 CFR 61 Subpart M	National Emission Standards for Asbestos	Potentially	N/A	Although this standard does not apply to this facility under routine operating conditions, in the case of asbestos demolition, Subpart M would apply.
NESHAP 40 CFR 61 Subpart V	National Emission Standards for Equipment Leaks (Fugitive Emission Sources)	No	N/A	This regulation establishes national emission standards for equipment leaks (fugitive emission sources). The facility does not have equipment that operates in volatile hazardous air pollutant (VHAP) service [40 CFR Part 61.240]. The regulated activities subject to this regulation do not take place at this facility. The facility is not subject to this regulation.
MACT 40 CFR 63, Subpart A	General Provisions	Yes	6, 7, 10, 11, 28, 30, 32B, 34, 36, 37, and DH-10	 This regulation defines general provisions for relevant standards that have been set under this part. The facility is subject to this regulation because the following subparts apply: Subpart A All units listed below Subpart HH Unit DH-10 Subpart YYYY 28, 30, 32B Subpart ZZZZ 6, 7, 10, and 11 Subpart DDDDD 34, 36, and 37
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	Yes	DH-10	The glycol dehydrator (Unit DH-10) at this facility is a closed system with flash and regeneration gases routed to inlet compression for recycling thus exempt from requirements due to emissions less than 1.0 Mg/yr benzene. This facility will comply with any limited requirements.
MACT 40 CFR 63 Subpart HHH	National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities	No	N/A	This subpart applies to owners and operators of natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user (if there is no local distribution company), and that are major sources of hazardous air pollutants (HAP) emissions as defined in §63.1271. This facility is not a natural gas transmission and storage facility as defined in this subpart. This regulation does not apply.

<u>Federal</u> <u>Regulation</u> Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	Yes	34, 36, and 37	The facility is a major source of HAPS. Units 34, 36 and 37 will be subject to MACT 40 CFR 63 Subpart DDDDD as they were constructed after the June 4, 2010 applicability date. The boilers will be combusting natural gas and will have the following compliance requirement in MACT DDDDD: Per 63.7540 (a)(10) - Tune up every year (except for boilers and process heaters with continuous oxygen trim system which conduct a tune-up every 5 years). Units 34, 36, and 37 do not have emission limits under this regulation. DCP will comply with all applicable MACT DDDDD requirements.
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from coal- and oil-fired electric utility steam generating units (EGUs) as defined in § 63.10042 of this subpart. This facility does not have any coal- and oil-fired electric utility steam generating units (EGUs) as defined in this subpart. This regulation does not apply.
MACT 40 CFR 63 Subpart YYYY	National Emissions Standards for Hazardous Air Pollutants for Stationary Combustion Turbines	Yes	28, 30, 32B	This subpart sets national emission standards for new stationary combustion turbines. Units 29, 30, 31 and 32B are existing units and pursuant to§63.6090(b)(4) have no requirements under this subpart or subpart A. Unit 28 is a new or reconstructed gas-fired combustion turbine. Units 30 and 32B are subject to this regulation as these units are being modified in this NSR permit revision application. Pursuant to §63.6095(d), these units are subject to the initial notification requirements set forth in §63.6145 and will comply with other requirements of Subpart YYYY as applicable.
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)	Yes	6, 7, 10, 11	This subpart sets national emission standards for Stationary Reciprocating Internal Combustion Engines. Units 6, 7, 10, and 11 are subject to Subpart ZZZZ and will comply as applicable.
<u>Federal</u> <u>Regulation</u> Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
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40 CFR 64	Compliance Assurance Monitoring	Yes	AM-10, AGI Well, and AGI Flare	The sulfur recovery unit (Unit 5) has been removed and is no longer subject to CAM. The amine unit (Unit AM-10), AGI Well, and AGI Flare are a controlled major source and are subject to CAM.
40 CFR 68	Chemical Accident Prevention	Yes	Facility	This facility has quantities of materials regulated by this requirement that are in excess of the triggering threshold. A RMP has been submitted to and approved by the EPA on 5/8/2024.
Title IV – Acid Rain 40 CFR 72	Acid Rain	No	N/A	This part establishes the acid rain program. This part does not apply because the facility is not covered by this regulation [40 CFR Part 72.6].
Title IV – Acid Rain 40 CFR 73	Sulfur Dioxide Allowance Emissions	No	N/A	This part establishes the acid rain program. This part does not apply because the facility is not covered by this regulation.
Title IV-Acid Rain 40 CFR 75	Continuous Emissions Monitoring	No	N/A	This part establishes the acid rain program. This part does not apply because the facility is not covered by this regulation.
Title IV – Acid Rain 40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	No	N/A	This facility has quantities of materials regulated by this requirement that are in excess of the triggering threshold. A RMP has been submitted to and approved by the EPA on 5/8/2024.
Title VI – 40 CFR 82	Protection of Stratospheri c Ozone Chemical	Yes	Facility	DCP owns appliances containing CFCs and is therefore subject to this requirement. DCP uses only certified technicians for the maintenance, service, repair and disposal of appliances and maintains the appropriate records for this requirement. Note: Disposal definition in 82.152: Disposal means the process leading to and including: (1) The discharge, deposit, dumping or placing of any discarded appliance into or on any land or water; (2) The disassembly of any appliance for discharge, deposit, dumping or placing of its discarded component parts into or on any land or water; or (3) The disassembly of any appliance for reuse of its component parts. "Major maintenance, service, or repair means" any maintenance, service, or repair that involves the removal of any or all of the following appliance components: compressor, condenser, evaporator, or auxiliary heat exchange coil; or any maintenance, service, or repair that involves uncovering an opening of more than four (4) square inches of "flow area" for more than 15 minutes.
CAA Section 112(r)	Accident	Yes	Facility	Linam Ranch is subject to the chemical accident prevention provisions of the Clean Air Act.

<u>Federal</u> <u>Regulation</u> Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
	Prevention Provisions			

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 <u>Operational Plan to Mitigate Emissions During Startups</u>, <u>Shutdowns</u>, <u>and Emergencies</u> 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 <u>Operational Plan to Mitigate Source Emissions</u> <u>During Malfunction, Startup, or Shutdown</u> 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.

Linam Ranch GP is in the process of developing an Operational Plan to mitigate emissions during Startup, Shutdowns, and Emergencies.

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.

Scenario A

This is the primary operating scenario. Under Scenario A of one (1) of the two (2) HBAs (Units 10 to 11) is operating at any given time, while simultaneously being allowed to operate all other equipment at the facility at maximum capacity without limits on the hours of operation.

Scenario B

This is the alternative operating scenario. Under Scenario B, two (2) HBAs (Units 10 to 11) would operate when one of the TLA engines (Units 6 and 7) is down. In order to preserve the PSD netting result for NOx and VOC, the number of hours this scenario is allowed to run is up to 3,400 hours in any rolling 12-month period.

If DCP exceeds this threshold, DCP must perform an updated PSD netting analysis for these pollutants to show that the SERs were not exceeded based on actual hours of operation in each rolling 12-month period.

The following formula shall be used to calculate tons per year emissions for each HBA (Units 10 to 11) and TLA (Units 6 and 7). The sum of each of the HBA (Units 10 to 11) and TLA (Units 6 and 7) emissions calculated by the formula is then compared to the limits shown in Table 2-E of this application. The sum should be less than or equal to these limits to demonstrate that the SERs for NOx and VOC were not exceeded.

Formula to calculate emissions for NOx and VOC, in tons, for a given HBA or TLA unit over a rolling 12-month period:

[Permit Limit (lb/hr)] x [Rolling 12-month hours of operation (hr)] x [Actual power (hp) ÷ Permitted power (hp)] 2000 (lb/ton)

Then, for NOx and VOC, calculate the sum:

Unit 6 + Unit 7 + Unit 10 + Unit 11 = Total All Units

Then, compare the sum "Total All Units" for each pollutant to the corresponding tons per year limit shown in Table 2-E.

Section 16 Air Dispersion Modeling

- 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 (<u>http://www.env.nm.gov/aqb/permit/app_form.html</u>) 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).	Х
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.	

Check each box that applies:

 $\hfill\square$ 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.

 \Box Attached in UA4 is a **modeling report for some** pollutants from the facility.

No modeling is required.

		For Department use only:
New Mexico Environment Department Air Quality Bureau Modeling Section	IN	Approved by: Sufi Mustafa
525 Camino de Los Marquez - Suite 1 Santa Fe, NM 87505		Date: 12/31/2024
Phone:(505) 476-4300 Fax: (505) 476-4375 <u>www.env.nm.gov/air-quality/</u>		

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 are 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, <u>sufi.mustafa@env.nm.gov</u>.

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

I and Table I. Contact and facility information.				
Contact name	Elena Hofmann			
E-mail Address:	Elena.hofmann@eosolutions.net			
Phone	713-983-0112			
Facility Name	Linam Ranch Gas Plant			
Air Quality Permit Number(s)	0039-M9 and P094-R3			
Agency Interest Number (if	589			
known)				
Latitude and longitude of	LAT 32.695278 and LONG -103.285278			
facility (decimal degrees)				

Section 1 and Table 1: Contact and facility information:

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

DCP is submitting a NSR Permit 39-M10 minor revision application to retrofit two of the site's turbines—specifically those that power the refrigeration (32B) and sales gas (30) compressors—with SoLoNOx control technology to ensure compliance with NM's Regional Haze regulations. As part of this retrofitting process, there will be a slight increase in the total horsepower of each turbine.

The current air permit, represented in the July 2024 application, listed the following turbines 30 and 32B total PM emissions as PM10 and PM2.5 each at 0.727 lb/hr and 3.184 tons/yr. These emission rates are well below the NMAC 20.2.74.502 Significant Emissions Rates of 15 tons/yr for PM10 and 10 tons/yr for PM2.5.

In evaluating this amendment, the calculated proposed turbines 30 and 32B lb/hr emissions increases are negligible and there is a decrease in tons/yr emissions. Specifically, the proposed turbines 30 and 32B total PM10 and PM2.5 emissions

are at 0.772 lb/hr and 3.073 tons/yr. The increases in PM10 and PM2.5 lb/hr emissions are 0.045 lb/hr and decreases in PM10 emissions are at 0.02 tons/yr.

DCP is requesting a modeling waiver, per Section 5, based on the use of scaling concentrations from previous approved modeling results to address the minor increases in hourly PM10 and PM2.5 emissions from Turbines 30 and 32B. Section 5 has been revised accordingly. Sections 3, 4, and 6 have not been completed as they do not apply under this request. Should additional information be needed, please let us know. We greatly appreciate your consideration of this request.

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 whether or not a modeling waiver is requested for that pollutant or if the pollutant emission rate is subject to the proposed permit changes.

Pollutant	Pollutant is	Pollutant does not	Stack	Pollutant is	Pollutant is	A modeling	Modeling for
	not emitted	increase in emission	parameters	new to the	increased	waiver is	this pollutant
	at the facility	rate at any emission	or stack	permit, but	at any	being	will be
	and	unit (based on levels	location	already	emission	requested	included in
	modeling or	currently in the permit)	has	emitted at	unit (based	for this	the permit
	waiver are	and stack parameters	changed.	the facility.	on levels	pollutant.	application.
	not required.	are unchanged.			currently in		
		Modeling or waiver are			the		
		not required.			permit).		
CO		Х					
NO ₂		Х					
SO ₂		Х					
PM10					Х	Х	
PM2.5					Х	Х	
H ₂ S		Х					
Reduced	Х						
S							
O₃ (PSD	Х						
only)							
Pb	Х						

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

Section 3: Pollutants, other than NMTAPs, with very small 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. This modeling compared emissions from a project (the increase in emissions from the previous permit or total facility emissions for a new facility) with significance levels. After comparing the project's emission rates for various pollutants to Appendix 2, list in Table 3 the pollutants that do not need to be modeled because of very small emission rates.

The facility must be at least 2 km from the nearest Class I area to qualify for a waiver due to very small emission rates. List the nearest Class I area and the distance from the facility in Section 3 comments.

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 small emission rates from the project

	Requested Allowable Emission	Release Type	Waiver Threshold
Pollutant	Rate for Project	(select "all from stacks >20 m"	(from appendix 2)
	(pounds/hour)	or "other")	(lb/hr)

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.

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

Section 4, Table 5: Questions about previous modeling:

Question	Yes	No		
Was AERMOD used to model the facility?				
Did previous modeling predict concentrations less than 95% of each air quality standard and PSD				
increment?				
Were all averaging periods modeled that apply to the pollutants listed above?				
Were all applicable startup/shutdown/maintenance scenarios modeled?				

Did modeling include all sources within 1000 meters of the facility fence line that now exist?	
Did modeling include background concentrations at least as high as current background concentrations?	
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.)	
EXISTING SOURCE REPLACMENT SOURCE	
$[(g) x (h1)] + [(v1)^2/2] + [(c) x (T1)] \le [(g) x (h2)] + [(v2)^2/2] + [(c) x (T2)]$	
q1 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.

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. Increases in emissions of one pollutant might also demonstrate compliance by applying a scaling factor to the modeling results. 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. Scaling analyses are not intended to be used for previously modeled pollutants with decreasing emissions, which is already addressed in section 4.

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

PM₁₀ and PM_{2.5} modeling results were scaled from the 2014 site wide PM₁₀ and PM_{2.5} modeling results, previously submitted to NMED. 2014 site wide modeling results were adjusted by the ratio between proposed total PM₁₀ and PM_{2.5} emissions (2014 total emissions plus the increased emissions from Turbines 30 and 32B) to 2014 PM₁₀ and PM_{2.5} total emissions to determine the scaled modeling results. The project impacts were calculated as the difference between the scaled modeling results and the 2014 site wide modeling results, and then compared with the appropriate SIL. As shown on the attached tables (2), all project impacts are less than the applicable SIL. The stack parameters have not changed on site or changed in favor of air dispersion.

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** - <u>Toxic Air</u> <u>Pollutants and Emissions</u>. 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 - <u>Stack Height Correction Factor</u> 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 of 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)					0 222
fumes					0.555
Carbon black					0.233
Chromium metal					0.0333
Glutaraldehyde					0.0467
Nickel Metal					0.0667
Wood dust (certain hard					0.0667
woods as beech & oak)					0.0007
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.

It was demonstrated in a separate document with scalar analyses that the increase in PM10 and PM2.5 emissions will cause less than significant impact for each pollutant.

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 (updated 3/4/2024 to correct feet to meters) Modeling is waived if emissions of a pollutant for the project are below the amount:

Pollutant	If all emissions come from stacks 20 meters or greater in height and there are no horizontal stacks or raincaps (Ib/br)	If not all emissions come from stacks 20 meters or greater in height, or there are horizontal stacks, raincaps, volume, or area sources (lb/br)
СО	16.037	2.580
H ₂ S (Pecos-Permian Basin)	0.114	0.015
H ₂ S (Not in Pecos-Permian Basin)	0.022	0.003
Lead	0.005	0.001
NO ₂	0.189	0.024
PM2.5 – Point Sources	0.056	0.009
PM2.5 – Volume Sources		0.003
PM10 – Point Sources	0.255	0.039
PM10 – Volume Sources		0.015
SO ₂	0.179	0.023
Reduced sulfur (Pecos-Permian Basin)	0.033	No waiver
Reduced sulfur (Not in Pecos-Permian Basin)	No waiver	No waiver

Linam Ranch Modeling Results

2014 Site Wi	de Modeling Re	sults (ug/m³)*	Adjusted Site	Wide Results	Vide Results Project Results** SIL		SIL (ι	L (ug/m3) Less than SIL		an SIL?
Time Period	PM ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}
Annual	2.12	1.28	2.130	1.288	0.010	0.008	1	0.3	Yes	Yes
24-hr	7.99	6.71	8.028	6.753	0.038	0.043	5	1.2	Yes	Yes
							1			
	2014 Total Emi	issions (lb/hr)***	* Proposed Total (lb/hr)		Project To	Project Total (lb/hr)				
	PM ₁₀	PM _{2.5}	P M ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}				
	9.44	6.92	9.485	6.965	0.045	0.045				
Proposed Total PM_{10} Emissions =2014 Modeled PM_{10} Emissions (lb/hr) + Turbine PM_{10} Em= $9.44 + 0.021 + 0.023$ = 9.485 lb/hr					PM ₁₀ Emission I	ncreases (Ib/hi	·)			
Proposed Total $PM_{2.5}$ Emissions =2014 Modeled $PM_{2.5}$ Emissions (lb/hr) + Turbine $PM_{2.5}$ Emission Increases (lb/hr)= $6.92 + 0.021 + 0.023$ = 6.965 lb/hr										
Scaled PM ₁₀ /PM _{2.5} Concentration (ug/m ³) = 2014 PM ₁₀ /PM _{2.5} Concentration (ug/m ³) x Proposed Total PM ₁₀ /PM _{2.5} Emissions (lb/hr) / Total 2014 Modeled PM ₁₀ / Emissions (lb/hr)					1 PM ₁₀ /PM _{2.5}					
Project PM₁₀/PM_{2.5} Concentration (ug/m³) = Scaled $PM_{10}/PM_{2.5}$ Concentration (ug/m ³) - 2014 $PM_{10}/PM_{2.5}$ Modeling Results (ug/m ³)										
24-hour PM ₁₀ C	oncentration									
2014 Total 24-hour PM ₁₀ Concentration =		tration =	7.99 ug/m ³							
2014 Total Modeled PM_{10} Emissions (lb/hr) =			9.44 lb/hr							
Scaled 24-hour PM ₁₀ Concentration (ug/m ³) = $7.99 \times 9.485 / 9.44$										
$= 8.028 \text{ ug/m}^3$										
Project 24-hour PM_{10} Concentration (ug/m ³) = 8.028 - 7.99										
= 0.038 ug/m ³										
Annual PM ₁₀ Co	oncentration									
2014 Total Annu	al PM ₁₀ Concent	ration =	2.12	ug/m ³						
2014 Total Modeled PM ₁₀ Emissions (lb/hr) =			9.44 lb/hr							
Scaled Annual PM ₁₀ Concentration (ug/m ³) = $2.12 \times 9.485 / 9.44$										
		=	2.130	ug/m ³						
Project Annual F	M ₁₀ Concentratio	on (ug/m ³) =	2.13 - 2.12	5						
=			0.010	ug/m ³						

Linam Ranch Modeling Results

24-hour PM _{2.}	5 Concentration
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	6.71 ug/m°
	6.92 lb/hr
	6.71 x 6.965 / 6.92
=	6.753 ug/m ³
	6.753 - 6.71
=	0.043 ug/m ³
	1.28 ug/m ³
	6.92 lb/hr
	1.28 x 6.965 / 6.92
=	1.288 ug/m ³
	1.288 - 1.28
=	0.008 ug/m ³
	= =

Notes:

* See 2014 Trinity Modeling Report, Modeled Results Table

** Project modeling results were compared with the appropriate SIL to determine whether additional modeling evaluation was needed.

*** See June 2018 Trinity NMED Air Quality NSR Technical Revision Application, Table 2-E. 2014 application was not available, so 2018 application was used to determine total PM₁₀/PM_{2.5} emissions. No PM₁₀/PM_{2.5} emissions have been added between the 2014 and 2018 applications.

Section 17 Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

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

Unit No.	Test Description	Test Date
6	NMED periodic test	2/15/2023 11/29/2023 1/8/2024 07/01/2024
7	NMED periodic test	2/14/2023 7/10/2023 1/8/2024 07/03/2024
10	NMED periodic test	2/15/2023 5/29/2024
11	NMED periodic test	10/2/2023 09/04/2024
28	NMED KKKK periodic test YYYY Initial compliance test	2/13/2023 09/04/2024 10/1/2023 09/05/2024
29	NMED periodic test	2/13/2023 1/9/2024
30	NMED periodic test	2/13/2023 1/10/2024
31a	NMED periodic test	2/14/2023 1/9/2024
32b	NMED periodic test	10/2/2023 09/04/2024

Compliance Test History Table

Section 20 Other Relevant Information

<u>**Other relevant information**</u>. Use this attachment to clarify any part in the application that you think needs explaining. Reference the section, table, column, and/or field. Include any additional text, tables, calculations or clarifying information.

Additionally, the applicant may propose specific permit language for AQB consideration. In the case of a revision to an existing permit, the applicant should provide the old language and the new language in track changes format to highlight the proposed changes. If proposing language for a new facility or language for a new unit, submit the proposed operating condition(s), along with the associated monitoring, recordkeeping, and reporting conditions. In either case, please limit the proposed language to the affected portion of the permit.

There is no other relevant information.

Section 22: Certification

Company Name: DCP Operating Company LP

I, <u>Steven R. Torpey</u>, 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 <u>16</u> day of <u>December</u> <u>2021</u> upon my oath or affirmation, before a notary of the State of

e.la

*Signature

12/16/2024

Steven R. Torpey Senior Air Permitting Engineer Printed Name Title Scribed and sworn before me on this \bigcirc day of My authorization as a notary of the State of expires on the SHELIA OLIVER COPUS 八 day of My Notary ID # 976876 Expires February 22, 2027 Date s Signature otar 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.



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