

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

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

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

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

Acknowledgements:

- I acknowledge that a pre-application meeting is available to me upon request. Title V Operating, Title IV Acid Rain, and NPR applications have no fees.
- \$500 NSR application Filing Fee enclosed **OR** The full permit fee associated with 10 fee points (required w/ streamline applications).
- Check No.: **0001001304** in the amount of **\$500.0**
- I acknowledge the required submittal format for the hard copy application is printed double sided 'head-to-toe', 2-hole punched (except the Sect. 2 landscape tables is printed 'head-to-head'), numbered tab separators. Incl. a copy of the check on a separate page.
- This facility qualifies to receive assistance from the Small Business Environmental Assistance program (SBEAP) and qualifies for 50% of the normal application and permit fees. Enclosed is a check for 50% of the normal application fee which will be verified with the Small Business Certification Form for your company.
- This facility qualifies to receive assistance from the Small Business Environmental Assistance Program (SBEAP) but does not qualify for 50% of the normal application and permit fees. To see if you qualify for SBEAP assistance and for the small business certification form go to https://www.env.nm.gov/aqb/sbap/small_business_criteria.html).

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

Section 1 – Facility Information

Section 1-A: Company Information		AI # if known (see 1 st 3 to 5 #s of permit IDEA ID No.): 36133	Updating Permit/NOI #: 6567-M4
		Plant primary SIC Code (4 digits): 1321 Plant NAIC code (6 digits): 211112	
1	Facility Name: Black River Gas Processing Plant		
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): 978 Bounds Road, Loving, New Mexico		
2	Plant Operator Company Name: DLK Black River Midstream LLC	Phone/Fax: 972-371-5439	
a	Plant Operator Address: 5400 LBJ Freeway, Suite 1500, Dallas, Texas 75240		
b	Plant Operator's New Mexico Corporate ID or Tax ID: 32-0591911		

3	Plant Owner(s) name(s): DLK Black River Midstream LLC	Phone/Fax: 972-371-5439
a	Plant Owner(s) Mailing Address(s): 5400 LBJ Freeway, Suite 1500, Dallas, Texas 75240	
4	Bill To (Company): DLK Black River Midstream LLC	Phone/Fax: : 972-371-5439
a	Mailing Address: 5400 LBJ Freeway, Suite 1500, Dallas, Texas 75240	E-mail:
5	<input type="checkbox"/> Preparer: <input checked="" type="checkbox"/> Consultant: Gauri Gajewar	Phone/Fax: 469-294-5945
a	Mailing Address: 6221 Chapel Hill Blvd, Suite 300, Plano, TX 75093	E-mail: gauri.gajewar@erm.com
6	Plant Operator Contact: Mr. Casey Snow	Phone/Fax: : 972-371-5439
a	Address: 5400 LBJ Freeway, Suite 1500, Dallas, Texas 75240	E-mail: csnow@matadorresources.com
7	Air Permit Contact: Jason Conway	Title: Environmental Consultant
a	E-mail: jason.conway@matadorresources.com	Phone/Fax: 972-619-1607
b	Mailing Address: 5400 LBJ Freeway, Suite 1500, Dallas, Texas 75240	
c	The designated Air permit Contact will receive all official correspondence (i.e. letters, permits) from the Air Quality Bureau.	

Section 1-B: Current Facility Status

1.a	Has this facility already been constructed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.b If yes to question 1.a, is it currently operating in New Mexico? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2	If yes to question 1.a, was the existing facility subject to a Notice of Intent (NOI) (20.2.73 NMAC) before submittal of this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes to question 1.a, was the existing facility subject to a construction permit (20.2.72 NMAC) before submittal of this application? <input type="checkbox"/> Yes <input type="checkbox"/> No
3	Is the facility currently shut down? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, give month and year of shut down (MM/YY):
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the permit No. is: P-
7	Has this facility been issued a No Permit Required (NPR)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NPR No. is:
8	Has this facility been issued a Notice of Intent (NOI)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NOI No. is:
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the permit No. is: GCP-Oil&Gas-6567M4
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the register No. is: GCP-Oil&Gas-6567M4

Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: 19.17 MSCF/hr	Daily: 460 MMSCFD	Annually: 167,900 MMSCF/yr
b	Proposed	Hourly: 19.17 MSCF/hr	Daily: 460 MMSCFD	Annually: 167,900 MMSCF/yr
2	What is the facility's maximum production rate, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: 19.17 MSCF/hr	Daily: 460 MMSCFD	Annually: 167,900 MMSCF/yr
b	Proposed	Hourly: 19.17 MSCF/hr	Daily: 460 MMSCFD	Annually: 167,900 MMSCF/yr

Section 1-D: Facility Location Information

1	Section: 31	Range: 28E	Township: 23S	County: Eddy	Elevation (ft): 3139
2	UTM Zone: <input type="checkbox"/> 12 or <input checked="" type="checkbox"/> 13			Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> WGS 84	
a	UTM E (in meters, to nearest 10 meters): 581750			UTM N (in meters, to nearest 10 meters): 3570090	
b	AND Latitude (deg., min., sec.): 32° 15' 52.51"			Longitude (deg., min., sec.): 104° 7' 55.14"	
3	Name and zip code of nearest New Mexico town: Loving ,NM 88256				
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): From Loving, NM head south on N 4th Street toward W. Cedar St. (0.2 mi), Turn right at the 3rd cross street onto W Ash Road (0.3 mi), turn left onto US-285 S/S 8th St. (0.8 mi), turn right onto Higby Hole road (0.4 mi), turn right onto Bounds Road (1.8 mi), facility entrance will be on the right.				
5	The facility is 2.1 (distance) miles SW (direction) of Loving, NM (nearest town).				
6	Status of land at facility (check one): <input checked="" type="checkbox"/> Private <input type="checkbox"/> Indian/Pueblo <input type="checkbox"/> Federal BLM <input type="checkbox"/> Federal Forest Service <input type="checkbox"/> Other (specify)				
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: City of Loving				
8	20.2.72 NMAC applications only : Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/aqb/modeling/classIareas.html)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers: 30 km				
9	Name nearest Class I area: Carlsbad Caverns				
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): 30				
11	Distance (meters) from the perimeter of the Area of Operations (AO is defined as the plant site inclusive of all disturbed lands, including mining overburden removal areas) to nearest residence, school or occupied structure: >500 m				
12	Method(s) used to delineate the Restricted Area: Continuing fencing "Restricted Area" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.				
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No A portable stationary source is not a mobile source, such as an automobile, but a source that can be installed permanently at one location or that can be re-installed at various locations, such as a hot mix asphalt plant that is moved to different job sites.				
14	Will this facility operate in conjunction with other air regulated parties on the same property? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, what is the name and permit number (if known) of the other facility?				

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

1	Facility maximum operating ($\frac{\text{hours}}{\text{day}}$): 24	($\frac{\text{days}}{\text{week}}$): 7	($\frac{\text{weeks}}{\text{year}}$): 52	($\frac{\text{hours}}{\text{year}}$): 8760
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start: N/A		<input type="checkbox"/> AM <input type="checkbox"/> PM	End: N/A <input type="checkbox"/> AM <input type="checkbox"/> PM
3	Month and year of anticipated start of construction: September 2019			
4	Month and year of anticipated construction completion: July 2020			
5	Month and year of anticipated startup of new or modified facility: July 2020			
6	Will this facility operate at this site for more than one year? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Section 1-F: Other Facility Information

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

Section 1-G: Streamline Application

(This section applies to 20.2.72.300 NMAC Streamline applications only)

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

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

1	Responsible Official (R.O.) Mr. Casey Snow (20.2.70.300.D.2 NMAC):		Phone: 972-371-5439
a	R.O. Title: VP – Regulatory, Environmental and Safety	R.O. e-mail: csnow@matadorresources.com	
b	R. O. Address: 5400 LBJ Freeway, Suite 1500, Dallas, Texas 75240		
2	Alternate Responsible Official Mr. Sean O'Grady (20.2.70.300.D.2 NMAC):		Phone: 972-371-5284
a	A. R.O. Title: Gas Operations Manager	A. R.O. e-mail: sogrady@sanmateomidstream.com	
b	A. R. O. Address: 5400 LBJ Freeway, Suite 1500, Dallas, Texas 75240		
3	Company's Corporate or Partnership Relationship to any other Air Quality Permittee (List the names of any companies that have operating (20.2.70 NMAC) permits and with whom the applicant for this permit has a corporate or partnership relationship): N/A		
4	Name of Parent Company ("Parent Company" means the primary name of the organization that owns the company to be permitted wholly or in part.): DLK Black River Midstream LLC		
a	Address of Parent Company: 5400 LBJ Freeway, Suite 1500, Dallas, Texas 75240		
5	Names of Subsidiary Companies ("Subsidiary Companies" means organizations, branches, divisions or subsidiaries, which are owned, wholly or in part, by the company to be permitted.): N/A		
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations: N/A		

7	<p>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: Does not affect any other state program or local air pollution control and Indian tribe.</p>
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Section 1-I – Submittal Requirements

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

Hard Copy Submittal Requirements:

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

Electronic files sent by (check one):

CD/DVD attached to paper application

secure electronic transfer. Air Permit Contact Name: Gauri Gajewar

Email: Gauri.Gajewar@erm.com

Phone number: 469-294-5945

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

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

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

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

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

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

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

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Table 2-A: Regulated Emission Sources

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

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ²	Controlled by Unit #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/Reconstruction ²	Emissions vented to Stack #				
ENG-1	Inlet Gas Compressor Engine	Waukesha	P9394GSI	5283705346	2250 HP	2250 HP	2016	Catalyst-1	20200254	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	4SLB	
ENG-2	Inlet Gas Compressor Engine	Waukesha	P9394GSI	5283705365	2250 HP	2250 HP	2016	Catalyst-2	20200254	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	4SLB	
ENG-3	Inlet Gas Compressor Engine	Waukesha	P9394GSI	5283705405	2250 HP	2250 HP	2016	Catalyst-3	20200254	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	4SLB	
ENG-4	Inlet Gas Compressor Engine	Waukesha	P9394GSI	5283705381	2250 HP	2250 HP	2016	Catalyst-4	20200254	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	4SLB	
AM-1	Plant 2 - Amine Unit	Zeeco	N/A	N/A	260 MMSCFD	260 MMSCFD	2018	TO-1	31000201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
AR-1	Plant 2 - Amine Reboiler	Tulsa Heaters	N/A	N/A	21.09 MMBtu/hr	21.09 MMBtu/hr	2018	N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
DEHY-1	Plant 2 - Dehydrator Unit	Tryer	Custom	N/A	260 MMSCFD	260 MMSCFD	2017	FL-2a	31000227	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
DR-1	Plant 2 - Dehydrator Reboiler	Tryer	Custom	N/A	2.9 MMBtu/hr	2.9 MMBtu/hr	2017	N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
AM-2	Plant 3 - Amine Unit	Zeeco	N/A	N/A	200 MMSCFD	200 MMSCFD	2019	TO-2	31000201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
AR-2	Plant 3 - Amine Reboiler	Tulsa Heaters	N/A	N/A	23.92 MMBtu/hr	23.92 MMBtu/hr	2019	N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
DEHY-2	Plant 3 - Dehydrator Unit	Tryer	Custom	N/A	200 MMSCFD	200 MMSCFD	2019	TO-2	31000227	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
DR-2	Plant 3 - Dehydrator Reboiler	Tryer	Custom	N/A	2.5 MMBtu/hr	2.5 MMBtu/hr	2019	N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
HT-101	Plant 1 - Mole Sieve Heater	Heat Recovery Corp	N/A	N/A	6.98 MMBtu/hr	6.98 MMBtu/hr	2016	N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
HT-801	Plant 1 - Stabilizer Heater	Heat Recovery Corp	N/A	N/A	6.97 MMBtu/hr	6.97 MMBtu/hr		N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		

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-A: Regulated Emission Sources

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

Unit Number ¹	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture ²		Controlled by Unit #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/ Reconstruction ²	Emissions vented to Stack #					
HT-102	Plant 2 - Mole Sieve Heater	Heat Recovery Corp	N/A	N/A	9.74 MMBtu/hr	9.74 MMBtu/hr	2016	N/A	HT-101	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
HT-103	Plant 3 - Mole Sieve Heater	Heat Recovery Corp	N/A	N/A	9.74 MMBtu/hr	9.74 MMBtu/hr	2019	N/A	HT-101	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
HT-802	Plant 3 - Stabilizer Heater	Heat Recovery Corp	N/A	N/A	4.609 MMBtu/hr	4.609 MMBtu/hr	2019	N/A	HT-802	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
TO-1	Plant 2 - Thermal Oxidizer	Zeeco	N/A	N/A	9.9 MMBtu/hr	9.9 MMBtu/hr	2018	N/A	TO-1	40400312	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
TO-2	Plant 3 - Thermal Oxidizer	Zeeco	N/A	N/A	9.9 Mmbtu/hr	9.9 MMBtu/hr	2018	N/A	TO-2	40400315	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
FL-1	Plant 1 - Flare SSM/M	Zeeco	N/A	N/A	85 MMBtu/hr	4.3 MMBtu/hr	2016	N/A	FL-1	30600904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
FL-2a/b	Plant 2 - Dehy -1 / Plant 2 - SSM/M	Zeeco	N/A	N/A	85 MMBtu/hr	22.33 MMBtu/hr	2016	N/A	FL-2a/b	30600904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
FL-3	Plant 3 - SSM/M	Zeeco	N/A	N/A	85 MMBtu/hr	18.5 MMBtu/hr	2019	N/A	FL-3	30600904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
VCU-1/ VCU-1 SSM	Vapor Combustion Unit	Kimark Inc	N/A	N/A	7.11 MMBtu/hr	7.11 MMBtu/hr	2016	N/A	VCU-1	30600904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
TK-702 A-F	Condensate Tanks	N/A	N/A	N/A	500 bbl each	500 bbl each	2016	VCU-1	VCU-1	40400312	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
TK 701	Produced Water Tank	N/A	N/A	N/A	500 bbl each	500 bbl each	2016	VCU-1	VCU-1	40400315	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
TL-1	Condensate Tanks Truck Loading	N/A	N/A	N/A	N/A	N/A	2016	N/A	N/A	40600132	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
TL-2	Produced Water Tanks Truck Loading	N/A	N/A	N/A	N/A	N/A	2016	N/A	N/A	40600132	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
FUG	Fugitives	N/A	N/A	N/A	500 bbl each	500 bbl each	2016	N/A	N/A	31088811	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
CRYO-1	Cryo Unit -1	N/A	N/A	N/A	60 MMSCFD	60 MMSCFD	2016	N/A	N/A	31000299	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
CRYO-2	Cryo Unit -2	N/A	N/A	N/A	200 MMSCFD	200 MMSCFD	2017	N/A	N/A	31000299	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	
CRYO-3	Cryo Unit -2	N/A	N/A	N/A	200 MMSCFD	200 MMSCFD	2019	N/A	N/A	31000299	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	

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.

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 20.2.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.env.nm.gov/aqb/permit/aqb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at <http://www.env.nm.gov/aqb/forms/InsignificantListTitleV.pdf>. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²	For Each Piece of Equipment, Check One
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	
ST-1	Gycol Storage Tanks			100	20.2.72.202.B.2		<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
				bbbl			
ST-2	Amine Storage Tanks			300	20.2.72.202.B.2		<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
				bbbl			
ST-3	Methanol Tanks			500	20.2.72.202.B.2		<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
				gallons			
ST-4	Lube Oil Tanks			500 & 2000	20.2.72.202.B.2		<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
				gallons			
ST-5	Antifreeze Tanks			1000	20.2.72.202.B.2		<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
				gallons			
Haul Roads	Haul Road Emission			N/A	20.2.72.202.B.5		<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
				N/A			
							<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced
							<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced

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

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²	For Each Piece of Equipment, Check One
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	

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
BTEX-1	Condenser	2018	VOC, HAP	DEHY-1	Varies	Promax Simulation
BTEX-2	Condenser	2019	VOC, HAP	DEHY-2	Varies	Promax Simulation
TO-1	Thermal Oxidizer	2018	VOC, HAP	AM-1	98%	Manufacturer Spec
TO-2	Thermal Oxidizer	2019	VOC, HAP	AM-2 and DEHY-2	98%	Manufacturer Spec
FL-1	Flare	2016	VOC, H2S, HAP	Plant 1 - SSM/M	98%	Manufacturer Spec
FL-2a/b	Flare	2016	VOC, H2S, HAP	DEHY-1/Plant 2 SSM/M	98%	Manufacturer Spec
FL-3	Flare	2019	VOC, H2S, HAP	Plant 3 - SSM/M	98%	Manufacturer Spec
VCU-1	Vapor Combustion Unit	2016	VOC, H2S, HAP	TK-702-A-F & TK 701	98%	Manufacturer Spec

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

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

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

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

Unit No.	NOx		CO		VOC		SOx		PM ¹		PM10 ¹		PM2.5 ¹		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
ENG-1	82.34	360.66	49.11	215.09	5.75	25.21	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-2	82.34	360.66	49.11	215.09	5.75	25.21	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-3	82.34	360.66	49.11	215.09	5.75	25.21	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-4	82.34	360.66	49.11	215.09	5.75	25.21	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
HT-101	0.69	3.01	0.58	2.53	0.038	0.17	0.004	0.02	0.05	0.23	0.052	0.23	0.0391	0.1714	-	-	-	-
HT-801	0.69	3.00	0.58	2.52	0.038	0.17	0.004	0.02	0.05	0.23	0.052	0.23	0.0391	0.1714	-	-	-	-
HT-102	0.96	4.20	0.80	3.52	0.053	0.23	0.006	0.03	0.07	0.32	0.073	0.32	0.039	0.171	-	-	-	-
AR-1	2.07	9.08	1.74	7.63	0.11	0.50	0.01	0.05	0.16	0.69	0.158	0.69	0.039	0.171	-	-	-	-
DR-1	0.29	1.25	0.24	1.05	0.016	0.07	0.002	0.01	0.02	0.09	0.022	0.09	0.0391	0.1714	-	-	-	-
HT-103	0.96	4.20	0.80	3.52	0.053	0.23	0.006	0.03	0.07	0.32	0.073	0.32	0.0391	0.171	-	-	-	-
HT-802	0.61	2.67	0.51	2.24	0.034	0.15	0.004	0.02	0.05	0.20	0.046	0.20	0.0391	0.171	-	-	-	-
AR-2	2.35	10.30	1.98	8.66	0.13	0.57	0.01	0.06	0.18	0.78	0.179	0.78	0.039	0.171	-	-	-	-
DR-2	0.25	1.08	0.21	0.90	0.014	0.059	0.001	0.006	0.019	0.082	0.019	0.08	0.0391	0.1714	-	-	-	-
Dehy-1	-	-	-	-	143.87	630.14	-	-	-	-	-	-	-	-	0.00022	0.0010	-	-
AM-1	-	-	-	-	3.61	15.80	-	-	-	-	-	-	-	-	5.59	24.48	-	-
Dehy-2	-	-	-	-	136.77	599.04	-	-	-	-	-	-	-	-	0.00021	0.00092	-	-
AM-2	-	-	-	-	4.16	18.23	-	-	-	-	-	-	-	-	4.43	19.42	-	-
TO-1	No emissions from these unit in an uncontrolled scenario																	
TO-2	No emissions from these unit in an uncontrolled scenario																	
TO-1 SSM	No emissions from these unit in an uncontrolled scenario																	
TO-2 SSM	No emissions from these unit in an uncontrolled scenario																	
FL-1	No emissions from these unit in an uncontrolled scenario																	
FL-2a	No emissions from these unit in an uncontrolled scenario																	
FL-2b	No emissions from these unit in an uncontrolled scenario																	
FL-3	No emissions from these unit in an uncontrolled scenario																	
VCU-1	No emissions from these unit in an uncontrolled scenario																	
VCU-1 SSM	No emissions from these unit in an uncontrolled scenario																	
TK-702A-F	-	-	-	-	446.10	1953.92	-	-	-	-	-	-	-	-	0.000	0.000	-	-
TK-701	-	-	-	-	0.310	1.358	-	-	-	-	-	-	-	-	0.000	0.000	-	-
TL-1	-	-	-	-	115.918	5.617	-	-	-	-	-	-	-	-	0.000	0.000	-	-
TL-2	-	-	-	-	77.462	0.080	-	-	-	-	-	-	-	-	0.000	0.000	-	-
FUG	-	-	-	-	7.434	32.560	-	-	-	-	-	-	-	-	0.038	0.165	-	-
Totals	338.23	1481.43	203.87	892.94	951.70	3327.14	0.95	4.14	1.31	5.75	1.31	5.75	0.99	4.34	10.05	44.02		

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 1.41E⁻⁴).

Unit No.	NOx		CO		VOC		SOx		PM ¹		PM10 ¹		PM2.5 ¹		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
ENG-1	3.10	13.58	6.20	27.16	3.89	17.06	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-2	3.10	13.58	6.20	27.16	3.89	17.06	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-3	3.10	13.58	6.20	27.16	3.89	17.06	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-4	3.10	13.58	6.20	27.16	3.89	17.06	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
HT-101	0.69	3.01	0.58	2.53	0.038	0.17	0.0041	0.0180	0.052	0.23	0.052	0.23	0.0391	0.171	-	-	-	-
HT-801	0.96	4.20	0.80	3.52	0.053	0.23	0.0057	0.0252	0.073	0.32	0.073	0.32	0.039	0.171	-	-	-	-
HT-102	0.69	3.00	0.58	2.52	0.038	0.17	0.004	0.018	0.052	0.23	0.052	0.23	0.039	0.171	-	-	-	-
AR-1	2.07	9.08	1.74	7.63	0.11	0.50	0.012	0.055	0.16	0.69	0.158	0.69	0.039	0.171	-	-	-	-
DR-1	0.29	1.25	0.24	1.05	0.016	0.07	0.0017	0.0075	0.022	0.09	0.022	0.09	0.0391	0.1714	-	-	-	-
HT-103	0.96	4.20	0.80	3.52	0.053	0.23	0.0057	0.025	0.073	0.32	0.073	0.32	0.039	0.171	-	-	-	-
HT-802	0.61	2.67	0.51	2.24	0.034	0.15	0.0037	0.016	0.046	0.20	0.046	0.20	0.039	0.171	-	-	-	-
AR-2	2.35	10.30	1.98	8.66	0.13	0.57	0.014	0.062	0.18	0.78	0.179	0.78	0.039	0.171	-	-	-	-
DR-2	0.25	1.08	0.21	0.90	0.014	0.06	0.0015	0.0065	0.019	0.082	0.019	0.08	0.0391	0.1714	-	-	-	-
Dehy-1	Emissions are controlled by flare, FL-2. Emissions are represented under FL-2a.																	
AM-1	Emissions are controlled by thermal oxidizer, TO-1. Emissions are represented under TO-1.																	
Dehy-2	Emissions are controlled by thermal oxidizer, TO-2. Emissions are represented under TO-2.																	
AM-2	Emissions are controlled by thermal oxidizer, TO-2. Emissions are represented under TO-2.																	
TO-1	1.73	7.79	1.61	7.22	0.057	0.25	10.51	46.03	0.81	3.55	0.81	3.55	0.61	2.66	0.11	0.50	-	-
TO-2	2.71	11.88	2.52	11.03	2.52	11.03	8.34	36.52	0.72	3.15	0.72	3.15	0.54	2.36	0.090	0.39	-	-
FL-1 ²	0.036	0.16	0.03	0.13	0.0001	0.0087	0.00022	0.0010	-	-	-	-	-	-	0.0001	0.0010	-	-
FL-2a	0.54	2.37	1.02	4.48	2.57	11.26	0.00073	0.0032	-	-	-	-	-	-	0.00017	0.00073	-	-
FL-3 ²	0.036	0.16	0.030	0.13	0.0020	0.0087	0.00022	0.00095	-	-	-	-	-	-	0.00011	0.00050	-	-
VCU-1	1.46	6.41	2.92	12.79	8.93	39.11	0.00001	#####	0.027	0.12	0.027	0.118	0.020	0.088	0.000004	#####	-	-
TK-702A-F	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VUC-1.																	
TK-701	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VUC-1.																	
TL-1	-	-	-	-	115.92	5.62	-	-	-	-	-	-	-	-	0.000	0.000	-	-
TL-2	-	-	-	-	77.46	0.080	-	-	-	-	-	-	-	-	0.000	0.000	-	-
FUG	-	-	-	-	7.43	32.56	-	-	-	-	-	-	-	-	0.038	0.165	-	-
Totals	27.78	121.88	40.37	177.00	230.95	170.28	19.80	86.70	2.87	12.57	2.87	12.57	2.16	9.46	0.27	1.17	0.00	0.00

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

² Pilot and sweep gas only

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

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

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

Unit No.	NOx		CO		VOC		SOx		PM ²		PM10 ²		PM2.5 ²		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
TO-1 SSM	-	-	-	-	3.61	0.32	-	-	-	-	-	-	-	-	5.59	0.49	-	-
TO-2 SSM	-	-	-	-	140.93	12.35	-	-	-	-	-	-	-	-	4.43	0.39	-	-
FL-1	177.55	2.44	354.45	4.86	160.24	2.20	1.05	0.014	-	-	-	-	-	-	0.011	0.0007	-	-
FL-2b	339.20	11.04	677.18	22.04	306.61	10.38	2.01	0.075	-	-	-	-	-	-	0.021	0.0008	-	-
FL-3	339.12	10.97	677.02	21.90	306.38	10.18	2.01	0.072	-	-	-	-	-	-	0.021	0.0008	-	-
VCU-1 SSM	-	-	-	-	446.41	39.11	-	-	-	-	-	-	-	-	0.0000	0.0000	-	-
Totals	855.87	24.44	1708.64	48.80	1364.18	74.53	5.07	0.16	0.00	0.00	0.00	0.00	0.00	0.00	10.08	0.88	0.00	0.00

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

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

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

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

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

Stack No.	Serving Unit Number(s) from Table 2-A	NOx		CO		VOC		SOx		PM		PM10		PM2.5		<input type="checkbox"/> H ₂ S or <input type="checkbox"/> Lead	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
	N/A																
Totals:																	

Table 2-H: Stack Exit Conditions

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

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H=Horizontal V=Vertical)	Rain Caps (Yes or No)	Height Above Ground (ft)	Temp. (F)	Flow Rate		Moisture by Volume (%)	Velocity (ft/sec)	Inside Diameter (ft)
						(acfs)	(dscfs)			
ENG-1	ENG-1	V	No	26.00	1085.00	136.50	N/A	N/A	102.9	1.30
ENG-2	ENG-2	V	No	26.00	1085.00	136.50	N/A	N/A	102.9	1.30
ENG-3	ENG-3	V	No	26.00	1085.00	136.50	N/A	N/A	102.9	1.30
ENG-4	ENG-4	V	No	26.00	1085.00	136.50	N/A	N/A	102.9	1.30
HT-1	HT-1	V	No	33.00	624.00	48.11	N/A	N/A	23.1	1.63
HT-801	HT-801	V	No	33.00	624.00	48.04	N/A	N/A	23.00	1.63
HT-101	HT-101	V	No	50.67	624.00	67.13	N/A	N/A	14.4	2.44
AR-1	AR-1	V	No	33.83	624.00	145.37	N/A	N/A	40.4	2.14
DR-1	DR-1	V	No	25.00	624.00	19.99	N/A	N/A	6.4	2
HT-102	HT-102	V	No	49.92	624.00	67.13	N/A	N/A	14.4	2.44
HT-802	HT-802	V	No	42.40	624.00	42.73	N/A	N/A	14.2	1.96
AR-2	AR-2	V	No	32.25	624.00	164.87	N/A	N/A	37.1	2.38
DR-2	DR-2	V	No	25.79	624.00	17.23	N/A	N/A	13	1.3
TO-1	TO-1	V	No	42.50	1500.00	15968.28	N/A	N/A	7	6.96
TO-2	TO-2	V	No	61.17	1500.00	13739.08	N/A	N/A	13	2.46
FL-1	FL-1	V	No	76.83	1832.00	291.77	N/A	N/A	65.62	27.5797
FL-2a	FL-2a	V	No	90.75	1832.00	0.54	N/A	N/A	65.62	1.4657
FL-2b	FL-2b	V	No	90.75	1832.00	557.07	N/A	N/A	65.62	38.0118
FL-3	FL-3	V	No	55.00	1832.00	557.08	N/A	N/A	65.62	38.0576
VCU-1	VCU-1	V	No	33.17	1400.00	0.66	N/A	N/A	3.83	5.33
TL-1	TL-1	V	No	12.00	75.87	0.98	N/A	N/A	0.00328	0.25
TL-2	TL-2	V	No	12.00	75.87	0.0006	N/A	N/A	0.00328	0.25

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

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

Stack No.	Unit No.(s)	Total HAPs		Formaldehyde □ HAP or □ TAP		Benzene □ HAP or □ TAP		Toluene □ HAP or □ TAP		Acetaldehyde □ HAP or □ TAP		Acrolein □ HAP or □ TAP		Xylene □ HAP or □ TAP		Provide Pollutant Name Here □ HAP or □ TAP		Provide Pollutant Name Here □ HAP or □ TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
ENG-1	ENG-1	1.0255	4.4918	0.7946	3.4803	0.0070	0.0306	0.0065	0.0284	0.1329	0.5819	0.0817	0.3578	0.0029	0.0128				
ENG-2	ENG-2	1.0255	4.4918	0.7946	3.4803	0.0070	0.0306	0.0065	0.0284	0.1329	0.5819	0.0817	0.3578	0.0029	0.0128				
ENG-3	ENG-3	1.0255	4.4918	0.7946	3.4803	0.0070	0.0306	0.0065	0.0284	0.1329	0.5819	0.0817	0.3578	0.0029	0.0128				
ENG-4	ENG-4	1.0255	4.4918	0.7946	3.4803	0.0070	0.0306	0.0065	0.0284	0.1329	0.5819	0.0817	0.3578	0.0029	0.0128				
HT-101	HT-101	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HT-801	HT-801	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HT-102	HT-102	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
AR-1	AR-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
DR-1	DR-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HT-103	HT-103	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HT-802	HT-802	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
AR-2	AR-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
DR-2	DR-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Dehy-1	Dehy-1	Emissions are controlled by flare, FL-2. Emissions are represented under FL-2a.																	
AM-1	AM-1	Emissions are controlled by thermal oxidizer, TO-1. Emissions are represented under TO-1.																	
Dehy-2	Dehy-2	Emissions are controlled by thermal oxidizer, TO-2. Emissions are represented under TO-2.																	
AM-2	AM-2	Emissions are controlled by thermal oxidizer, TO-2. Emissions are represented under TO-2.																	
TO-1	TO-1	0.022	0.000	-	-	0.022	0.000	-	-	-	-	-	-	-	-				
TO-2	TO-2	0.426	1.739	-	-	0.426	1.739	-	-	-	-	-	-	-	-				
TO-1 SSM	TO-1 SSM	1.096	0.096	-	-	1.096	0.096	-	-	-	-	-	-	-	-				
TO-2 SSM	TO-2 SSM	21.276	1.864	-	-	21.276	1.864	-	-	-	-	-	-	-	-				
FL-1	FL-1	0.256	0.003	-	-	0.256	0.003	-	-	-	-	-	-	-	-				
FL-2a	FL-2a	0.372	0.000	-	-	0.372	0.000	-	-	-	-	-	-	-	-				
FL-2b	FL-2b	0.491	0.016	-	-	0.491	0.016	-	-	-	-	-	-	-	-				
FL-3	FL-3	0.491	0.016	-	-	0.491	0.016	-	-	-	-	-	-	-	-				
VCU-1	VCU-1	0.053	0.006	-	-	0.053	0.006	-	-	-	-	-	-	-	-				

Stack No.	Unit No.(s)	Total HAPs		Formaldehyde <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Benzene <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Toulene <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Acetaldehyde <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Acrolein <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Xylene <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
VCU-1 SSM	VCU-1 SSM	2.650	0.232	-	-	2.650	0.232	-	-	-	-	-	-	-	-				
TK-702A-F	TK-702A-F	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VUC-1.																	
TK-701	TK-701	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VUC-1.																	
TL-1	TL-1	0.664	0.032	-	-	0.664	0.032	-	-	-	-	-	-	-	-				
TL-2	TL-2	23.077	0.024	-	-	23.077	0.024	-	-	-	-	-	-	-	-				
FUG	FUG	0.012	0.053	-	-	-	-	-	-	-	-	-	-	-	-				
Totals:		54.99	22.05	3.18	13.92	50.90	4.15	0.03	0.11	0.53	2.33	0.33	1.43	0.01	0.05				

Table 2-J: Fuel

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

Unit No.	Fuel Type (low sulfur Diesel, ultra low sulfur diesel, Natural Gas, Coal, ...)	Fuel Source: purchased commercial, pipeline quality natural gas, residue gas, raw/field natural gas, process gas (e.g. SRU tail gas) or other	Specify Units				
			Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
ENG-1	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	15.629 Mscf/hr	136.94 MMscf/yr	N/A	N/A
ENG-2	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	15.629 Mscf/hr	136.94 MMscf/yr	N/A	N/A
ENG-3	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	15.629 Mscf/hr	136.94 MMscf/yr	N/A	N/A
ENG-4	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	15.629 Mscf/hr	136.94 MMscf/yr	N/A	N/A
HT-101	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	6.86 Mscf/hr	2.51 MMscf/yr	N/A	N/A
HT-801	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	6.86 Mscf/hr	2.51 MMscf/yr	N/A	N/A
HT-102	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	9.58 Mscf/hr	3.50 MMscf/yr	N/A	N/A
AR-1	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	20.74 Mscf/hr	7.57 MMscf/yr	N/A	N/A
DR-1	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	2.85 Mscf/hr	1.04 MMscf/yr	N/A	N/A
HT-103	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	9.58 Mscf/hr	3.5 MMscf/yr	N/A	N/A
HT-802	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	6.10 Mscf/hr	2.23 MMscf/yr	N/A	N/A
AR-2	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	23.52 Mscf/hr	8.59 MMscf/yr	N/A	N/A
DR-2	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	2.46 Mscf/hr	0.90 MMscf/yr	N/A	N/A
TO-1	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	0.47 Mscf/hr	4.12 MMscf/yr	N/A	N/A
TO-2	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	0.47 Mscf/hr	4.12 MMscf/yr	N/A	N/A
FL-1	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	0.36 Mscf/hr	3.15 MMscf/yr	N/A	N/A
FL-2a/b	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	0.51 Mscf/hr	4.47 MMscf/yr	N/A	N/A
FL-3	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	0.36 Mscf/hr	3.15 MMscf/yr	N/A	N/A
VCU-1	Natural Gas	Pipeline Quality Natural Gas	1010 Btu/Scf	0.012 Mscf/hr	0.11 MMscf/yr	N/A	N/A

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

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

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb*mol)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)
TK-702-A	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	65	12.64	100	20.3591
TK-702-B	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	65	12.64	100	20.3591
TK-702-C	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	65	12.64	100	20.3591
TK-702-D	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	65	12.64	100	20.3591
TK-702-E	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	65	12.64	100	20.3591
TK-702-F	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	65	12.64	100	20.3591
TK-701	40400311	Produced Water	Water	8.3	61.01	65	7.87	100	11.8812

Table 2-L: Tank Data

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

Tank No.	Date Installed	Materials Stored	Seal Type (refer to Table 2-LR below)	Roof Type (refer to Table 2-LR below)	Capacity		Diameter (M)	Vapor Space (M)	Color (from Table VI-C)		Paint Condition (from Table VI-C)	Annual Throughput (gal/yr)	Turn-overs (per year)
					(bbl)	(M ³)			Roof	Shell			
TK-702-A	2016	Condensate			500	80	3.66		White	White	Good	15,290,776	898.00
TK-702-B	2016	Condensate			500	80	3.66		White	White	Good	15,290,776	898.00
TK-702-C	2016	Condensate			500	80	3.66		White	White	Good	15,290,776	898.00
TK-702-D	2016	Condensate			500	80	3.66		White	White	Good	15,290,776	898.00
TK-702-E	2016	Condensate			500	80	3.66		White	White	Good	15,290,776	898.00
TK-702-F	2016	Condensate			500	80	3.66		White	White	Good	15,290,776	898.00
TK-701	2016	Produced Water			500	80	3.66		White	White	Good	1,230,918	73.00

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

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

Note: 1.00 bbl = 0.159 M³ = 42.0 gal

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

Material Processed				Material Produced			
Description	Chemical Composition	Phase (Gas, Liquid, or Solid)	Quantity (specify units)	Description	Chemical Composition	Phase	Quantity (specify units)
Natural Gas	Mixed Hydrocarbons	Gas	460 MMSCFD	Natural Gas	Mixed Hydrocarbons	Gas	460 MMSCFD
				Condensate	Condensate	Liquid	6000 bpd
				Natural Gas Liquids	Natural Gas Liquids	Liquid	66000 bpd

Table 2-N: CEM Equipment

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

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

Table 2-O: Parametric Emissions Measurement Equipment

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

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

Table 2-P: Greenhouse Gas Emissions

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

		CO ₂ ton/yr	N ₂ O ton/yr	CH ₄ ton/yr	SF ₆ ton/yr	PFC/HFC ton/yr ²										Total GHG Mass Basis ton/yr ⁴	Total CO ₂ e ton/yr ⁵
Unit No.	GWPs¹	1	298	25	22,800	footnote 3											
ENG-1	mass GHG	9768.01	0.02	0.18													
	CO ₂ e	9768.01	5.49	4.60													
ENG-2	mass GHG	9768.01	0.02	0.18													
	CO ₂ e	9768.01	5.49	4.60													
ENG-3	mass GHG	9768.01	0.02	0.18													
	CO ₂ e	9768.01	5.49	4.60													
ENG-4	mass GHG	9768.01	0.02	0.18													
	CO ₂ e	9768.01	5.49	4.60													
HT-101	mass GHG	3576.24	0.01	0.07													
	CO ₂ e	3576.24	2.01	1.68													
HT-801	mass GHG	3576.24	0.01	0.07													
	CO ₂ e	3576.24	2.01	1.68													
HT-102	mass GHG	4990.34	0.01	0.09													
	CO ₂ e	4990.34	2.80	2.35													
AR-1	mass GHG	10805.57	0.02	0.20													
	CO ₂ e	10805.57	6.07	5.09													
DR-1	mass GHG	1485.83	0.003	0.03													
	CO ₂ e	1485.83	0.83	0.70													
HT-103	mass GHG	4990.34	0.01	0.09													
	CO ₂ e	4990.34	2.80	2.35													
HT-802	mass GHG	3176.60	0.01	0.06													
	CO ₂ e	3176.60	1.78	1.50													
AR-2	mass GHG	11118.15	0.02	0.23													
	CO ₂ e	11118.15	6.88	5.77													
DR-2	mass GHG	1162.01	0.002	0.02													
	CO ₂ e	1162.01	0.72	0.60													
TO-1	mass GHG	5021.08	0.01	0.09													
	CO ₂ e	5021.08	2.82	2.37													
TO-2	mass GHG	5021.08	0.01	0.09													
	CO ₂ e	5021.08	2.82	2.37													
FL-1	mass GHG	30.18	0.00	0.00													
	CO ₂ e	30.18	0.02	0.01													
FL-2a	mass GHG	2085.29	0.00	0.04													
	CO ₂ e	2085.29	1.17	0.98													
FL-2b	mass GHG	1871.12	0.00	0.04													
	CO ₂ e	1871.12	1.05	0.88													

FL-3	mass GHG	1895.71	0.00	0.04															
	CO ₂ e	1895.71	1.06	0.89															
VCU-1	mass GHG	3642.85	0.01	0.07															
	CO ₂ e	3642.85	2.05	1.72															
TL-1	mass GHG	0.91	0.01	9.59															
	CO ₂ e	0.91	2.61	239.70															
TL-2	mass GHG	0.03	0.00	0.02															
	CO ₂ e	0.03	0.00	0.44															
FUG	mass GHG	1.12	0.00	103.24															
	CO ₂ e	1.12	0.00	2580.88															
Total	mass GHG	103522.72	0.21	114.82															103637.74
	CO ₂ e	103522.72	61.46	2870.38															106454.55

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

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

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

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

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

Section 3

Application Summary

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

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

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

DLK Black River Midstream LLC (DLK) proposes to update the GCP-Oil&Gas Permit, 6567M4, for their Black River Gas Processing Plant. The facility dehydrates and removes water, CO₂ and natural gas liquids from sweet field gas for transportation in a sales pipeline. The facility is located approximately 2.1 miles SW of Loving, New Mexico in Eddy County.

Project Description:

DLK proposes this modification to make changes to the existing emissions. These emission increases are from revising emissions based on manufacturer's data and addition of SSM/M to the permit. The proposed emissions from the facility are listed in Table 1.

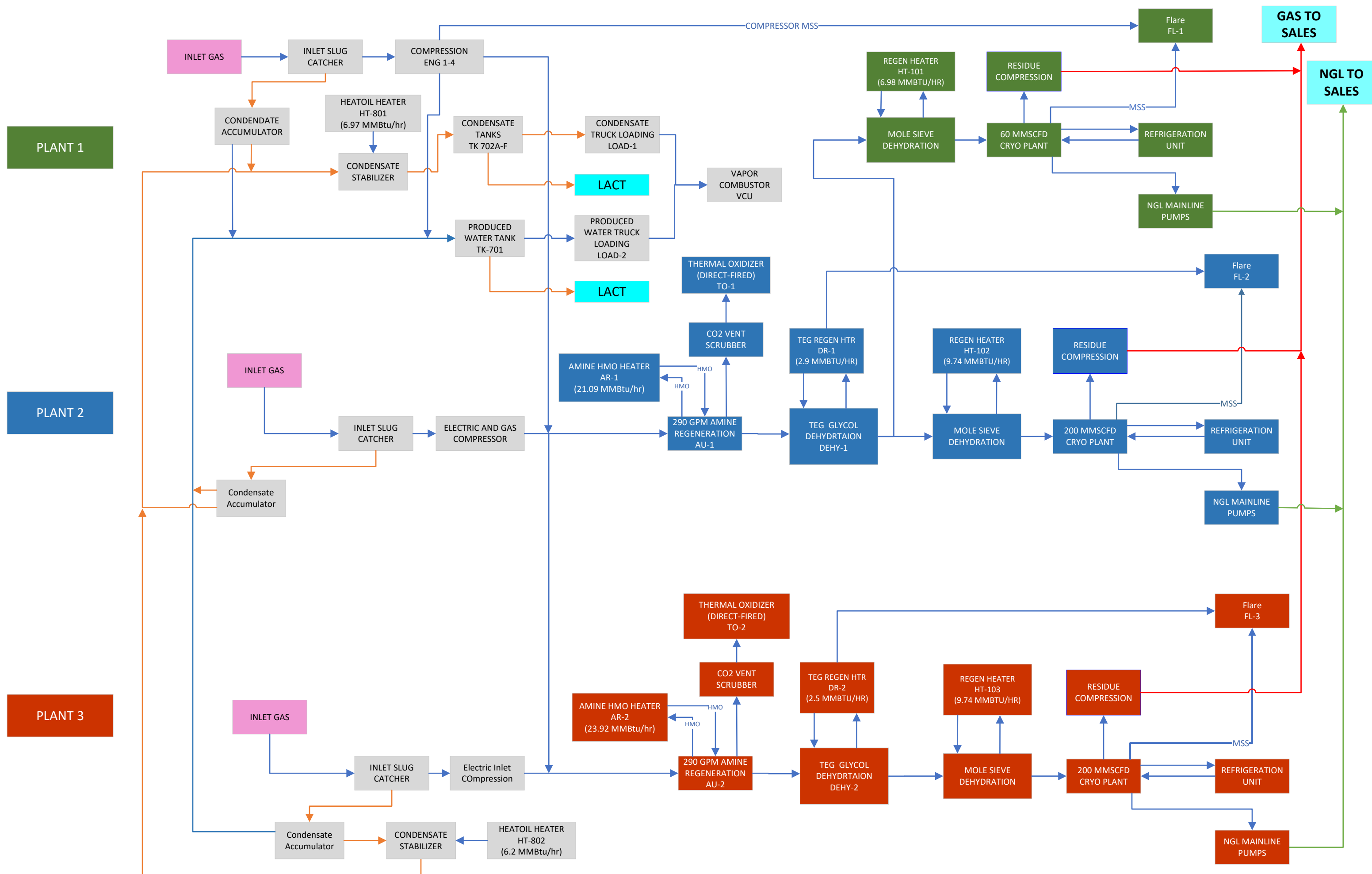
Table 1		
Pollutant	Facility-wide Emissions	
	pph	tpy
NO _x	883.65	146.32
CO	1749.01	225.79
VOC	1726.11	213.23
PM	2.87	12.57
SO ₂	24.87	86.87
H ₂ S	10.31	1.88
HAPs	54.98	21.99
GHG CO _{2e} Emission	-	108161

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.

Please see attached Process Flow Diagram.



Section 5

Plot Plan Drawn To Scale

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

Please see attached Plot Plant.

Section 6

All Calculations

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

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

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

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

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

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

Significant Figures:

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

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

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

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

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

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

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

Engines (Units ENG-1, ENG-2, ENG-3, ENG-4)

NO_x, CO, VOC, were calculated using emission factors provided by the manufacturer's and catalyst specifications. PM, SO₂ and hazardous emissions were calculated using AP-42 factors for internal natural gas combustion sources in Table 3.2-2. As a conservative measure, it was assumed that PM(Total) = PM₁₀ and PM (condensable) = PM_{2.5}. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Heaters (Units HT-1, HT-801, HT-101, HT-102, HT-802, DR-1, DR-2)

NO_x, CO, VOC, PM, SO₂ and hazardous emissions were calculated using AP-42 factors for external natural gas combustion sources in Tables 1.4-1, 1.4-2 and 1.4-3. As a conservative measure, it was assumed that PM(Total) = PM₁₀ and PM (condensable) = PM_{2.5}. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Reboilers (Units AR-1, AR-2)

NO_x, VOC, PM, SO₂ and hazardous emissions were calculated using AP-42 factors for external natural gas combustion sources in Tables 1.4-1, 1.4-2 and 1.4-3. The CO emissions were calculated based on the manufacturer's spec sheet with a safety factor of 50%. As a conservative measure, it was assumed that PM(Total) = PM₁₀ and PM (condensable) = PM_{2.5}. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Glycol Dehydrators (Units DEHY-1, DEHY-2)

All emissions from these units are calculated using ProMax. Flash emissions from glycol dehydrators will be routed to the facility fuel system or back to the process. The regenerator emissions from DEHY-1 are routed to the FL-2. Controlled emissions from this unit will be represented under FL-2a. The regenerator emissions from DEHY-2 are routed to the TO-2. Controlled emissions from this unit will be represented under TO-2. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Amine Vents (Units AM-1, AM-2)

All emissions from these units are calculated using ProMax. The amine flash is routed back to the process. The regenerator emissions from both amine units are routed to the thermal oxidizers, TO-1 and TO-2 respectively. Controlled emissions are represented under unit TO-1 and TO-2. Emissions during maintenance and malfunction are accounted for in thermal oxidizer SSM (TO-1 SSM/M and TO-2 SSM/M). Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Flare (Unit FL-2a)

This flare controls the DEHY-1 condenser stream. The basis of the flaring calculations are the expected composition and maximum expected volumes of the gas. The SO₂ composition is based on a 98% molar conversion of H₂S to SO₂. NO_x and CO emissions for both scenarios are calculated using AP-42 Table 13.5-1 emission factors. VOC emissions are calculated from the VOC volume fraction of the inlet gas to the flare, the specific volume of the VOC fraction of the inlet gas, and a 98% destruction efficiency. The ProMax inlet gas analysis can be found in Section 7. Emissions of greenhouse gases are calculated using methodology from 40 CFR Subpart 98.233(n).

Flare SSM (Units FL-1, FL-2b, FL-3)

The plant flares are used for flaring during startup, shutdown, maintenance and upset conditions. The only steady state conditions associated with these flares are from the pilot and purge gas streams. SSM from the plant flares is due to various maintenance activities throughout the facility per manufacturer's recommended maintenance schedules. These maintenance activities include but are not limited to compressor catalyst changes, blowdowns for associated maintenance throughout the facility, instrumental calibrations, and process safety device maintenance.

The basis of the flaring calculations are the expected composition and maximum expected volumes of the gas. The SO₂ composition is based on a 98% molar conversion of H₂S to SO₂. NO_x and CO emissions for both scenarios are calculated

using AP-42 Table 13.5-1 emission factors. VOC emissions are calculated from the VOC volume fraction of the inlet gas to the flare, the specific volume of the VOC fraction of the inlet gas, and a 98% destruction efficiency. The ProMax inlet gas analysis can be found in Section 7. Emissions of greenhouse gases are calculated using methodology from 40 CFR Subpart 98.233(n).

Thermal Oxidizers (Units TO-1 and TO-2)

NOx and CO emissions were updated using the manufacturer's spec sheet. PM and SO2 emissions were calculated using AP-42 factors for external natural gas combustion sources in Tables 1.4-1 and 1.4-2. HAP and VOC emissions were calculated using streams from ProMax. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Thermal Oxidizers SSM (Unit TO-1 SSM/M, TO-2 SSM/M)

This accounts for emissions during startup shutdown and maintenance and upset conditions from the thermal oxidizer. VOC, H2S and HAP emissions were calculated using streams from ProMax. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Vapor Combustion Unit (Unit VCU-1)

NOx, CO, and SO2 emissions were calculated using AP-42 factors for external natural gas combustion sources in Tables 1.4-1 and 1.4-2. HAP and VOC emissions were calculated using streams from ProMax. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Vapor Combustion Unit (Unit VCU-1 SSM/M)

This accounts for emissions during startup shutdown and maintenance and upset conditions from the vapor combustion unit. VOC, H2S and HAP emissions were calculated using streams from ProMax. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Condensate Storage Tanks (Unit TK-702-A-F)

These units represent six connected 500 bbl condensate storage tanks. Uncontrolled emissions are calculated using ProMax and an annual throughput of 6000 bbl/day. Emissions will be routed to the vapor combustion unit, unit VCU-1.

Produced Water Tank (Unit TK-701)

Unit TK-701 represents one 500 bbl produced water tank. Uncontrolled emissions are calculated using ProMax and an annual throughput of 80 bbl/day. Emissions will be routed to the vapor combustion unit, unit VCU-1.

Loading Emissions (Unit TL-1, TL-2)

Condensate and produced water are transferred out of the facility via LACT. Loading emissions are calculated for 7 days of condensate and produced water loading in case the LACT is down. Emissions from loading of condensate and produced water out of the facility by truck were estimated using Equation 1 in AP-42 Section 5.2-4.

Fugitive Emissions (Unit FUG)

Fugitive emissions were estimated using emission factors from Table 2-4 of EPA Protocol for Equipment Leak Emission Estimates, November 1995, EPA-453/R-95-017. Component counts were estimated as previously permitted. The percent VOC and HAPs are from the inlet gas analysis dated 8/22/2012. The percent VOC in liquids conservatively assumed to be 100%. The percent H2S in liquids is zero. The percent of HAPs in the liquids is estimated based on the ratio of VOC and HAP in the previous gas analysis. Total HAPs is the sum of n-Hexane, Benzene, Toluene, Ethylbenzene, and Xylene.

Haul Road Emissions (Unit HAUL)

Unpaved haul road emissions were estimated based on Equations 1a and 2 of AP-42 Section 13.2.1 (1/11). Particle size multipliers and constants for these equations are found in AP-42 Table 13.2.2-2, Industrial Roads. Silt content is taken from AP-42 Table 13.2.2-1 and annual wet days is from AP-42 Figure 13.2.2-1. The control efficiency from base course is from the NMED guidance document entitled Department Accepted Values For: Aggregate Handling, Storage Pile, and Haul Road Emissions. The length of the haul road is estimated from Google Earth.

Section 6.a

Green House Gas Emissions

(Submitting under 20.2.70, 20.2.72 20.2.74 NMAC)

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

Calculating GHG Emissions:

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

Sources for Calculating GHG Emissions:

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

Global Warming Potentials (GWP):

Applicants must use the Global Warming Potentials codified in Table A-1 of the most recent version of 40 CFR 98 Mandatory Greenhouse Gas Reporting. The GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to that of one unit mass of CO₂ over a specified time period.

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

Metric to Short Ton Conversion:

Short tons for GHGs and other regulated pollutants are the standard unit of measure for PSD and title V permitting programs. 40 CFR 98 Mandatory Greenhouse Reporting requires metric tons.

1 metric ton = 1.10231 short tons (per Table A-2 to Subpart A of Part 98 – Units of Measure Conversions)

Section 7

Information Used To Determine Emissions

Information Used to Determine Emissions shall include the following:

- If manufacturer data are used, include specifications for emissions units and control equipment, including control efficiencies specifications and sufficient engineering data for verification of control equipment operation, including design drawings, test reports, and design parameters that affect normal operation.
 - If test data are used, include a copy of the complete test report. If the test data are for an emissions unit other than the one being permitted, the emission units must be identical. Test data may not be used if any difference in operating conditions of the unit being permitted and the unit represented in the test report significantly effect emission rates.
 - If the most current copy of AP-42 is used, reference the section and date located at the bottom of the page. Include a copy of the page containing the emissions factors, and clearly mark the factors used in the calculations.
 - If an older version of AP-42 is used, include a complete copy of the section.
 - If an EPA document or other material is referenced, include a complete copy.
 - Fuel specifications sheet.
 - If computer models are used to estimate emissions, include an input summary (if available) and a detailed report, and a disk containing the input file(s) used to run the model. For tank-flashing emissions, include a discussion of the method used to estimate tank-flashing emissions, relative thresholds (i.e., permit or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis.
-

Engines (Units ENG-1, ENG-2, ENG-3, ENG-4)

- Manufacturers data and catalyst specification sheet
- AP-42 Tables 1.4-1 and 1.4-2 from AP-42
- 40 CFR Part 98 methodology
- 40 CFR 98 Tables C-1 and C-2 Emission Factors

Heaters (Units HT-1, HT-801, HT-101, HT-102, HT-802, DR-1, DR-2)

- AP-42 Tables 1.4-1 and 1.4-2 from AP-42
- 40 CFR Part 98 methodology
- 40 CFR 98 Tables C-1 and C-2 Emission Factors

Reboilers (Units AR-1, AR-2)

- AP-42 Tables 1.4-1 and 1.4-2 from AP-42
- Manufacture spec sheet
- 40 CFR Part 98 methodology
- 40 CFR 98 Tables C-1 and C-2 Emission Factors

Glycol Dehydrators (Units DEHY-1, DEHY-2)

- ProMax

Amine Vents (Units AM-1, AM-2)

- ProMax

Flare SSM (Units FL-1, FL-2b, FL-3)

- AP-42 Table 13.5-1
- ProMax
- 40 CFR Part 98 methodology

Thermal Oxidizes (Units TO-1 and TO-2)

- AP-42 Tables 1.4-1 and 1.4-2 from AP-42
- Manufacturer's specifications
- 40 CFR Part 98 methodology
- 40 CFR 98 Tables C-1 and C-2 Emission Factors

Vapor Combustion Unit (Unit VCU-1)

- AP-42 Tables 1.4-1 and 1.4-2 from AP-42
- 40 CFR Part 98 methodology

Condensate Storage Tanks (Unit TK-702-A-F)

- ProMax

Produced Water Tank (Unit TK-701)

- Promax

Loading Emissions (Unit TL-1, TL-2)

- ProMax

Fugitive Emissions (Unit FUG-1)

- Tables 2-4 and 5-2 of the EPA Protocol for Equipment Leak Emission Estimates, November 1995
- Inlet gas and liquid analyses from ProMax

Haul Road Emissions (Unit HAUL-1)

- Equations 1a and 2 of AP-42 Section 13.2.2 (11/06)
- AP-42 Table 13.2.2-1
- AP-42 Figure 13.2.2-1
- AP-42 Table 13.2.2-2, Industrial Roads
- NMED Guidance Document - Department Accepted Values For: Aggregate Handling, Storage Pile, and Haul Road Emissions
- Google Earth

Section 8

Map(s)

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

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

Please see attached map.



GENERAL NOTES:

REV.	DESCRIPTION	DATE	DRAFT	CHECKED	APP'D.
A	ISSUED FOR APPROVAL	04/01/20	KES		



TITLE
 BRNGPP FACILITIES
 EDDY COUNTY, NEW MEXICO
 EMISSIONS LAYOUT
 KEY PLAN

DRAWING APPROVAL					
DRAWN BY:	KES	04/01/20	CHECKED BY:	DAH	04/01/20
DESIGN ENGINEER:	DAH	04/01/20	CLIENT APPROVAL:		
CLIENT	SAN MATEO MIDSTREAM			JOB NO.	DWG. NO.
				190625	31500

Section 9

Proof of Public Notice

(for NSR applications submitting under 20.2.72 or 20.2.74 NMAC)

(This proof is required by: 20.2.72.203.A.14 NMAC “Documentary Proof of applicant’s public notice”)

I have read the AQB “Guidelines for Public Notification for Air Quality Permit Applications”

This document provides detailed instructions about public notice requirements for various permitting actions. It also provides public notice examples and certification forms. Material mistakes in the public notice will require a re-notice before issuance of the permit.

Unless otherwise allowed elsewhere in this document, the following items document proof of the applicant’s Public Notification. Please include this page in your proof of public notice submittal with checkmarks indicating which documents are being submitted with the application.

New Permit and **Significant Permit Revision** public notices must include all items in this list.

Technical Revision public notices require only items 1, 5, 9, and 10.

Per the Guidelines for Public Notification document mentioned above, include:

1. A copy of the certified letter receipts with post marks (20.2.72.203.B NMAC)
 2. A list of the places where the public notice has been posted in at least four publicly accessible and conspicuous places, including the proposed or existing facility entrance. (e.g: post office, library, grocery, etc.)
 3. A copy of the property tax record (20.2.72.203.B NMAC).
 4. A sample of the letters sent to the owners of record.
 5. A sample of the letters sent to counties, municipalities, and Indian tribes.
 6. A sample of the public notice posted and a verification of the local postings.
 7. A table of the noticed citizens, counties, municipalities and tribes and to whom the notices were sent in each group.
 8. A copy of the public service announcement (PSA) sent to a local radio station and documentary proof of submittal.
 9. A copy of the classified or legal ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
 10. A copy of the display ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
 11. A map with a graphic scale showing the facility boundary and the surrounding area in which owners of record were notified by mail. This is necessary for verification that the correct facility boundary was used in determining distance for notifying land owners of record.
-

CARLSBAD
CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

Ad No.
GCI0400950

CONTEK SOLUTIONS
6221 CHAPEL HILL BLVD
PLANO, TX 75093

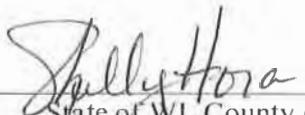
I, a legal clerk of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

04/03/2020



Legal Clerk

Subscribed and sworn before me this
7th of April 2020.



State of WI, County of Brown
NOTARY PUBLIC



My Commission Expires

Ad#:GCI0400950
P O :
of Affidavits :0.00

SHELLY HORA
Notary Public
State of Wisconsin

NOTICE OF AIR QUALITY PERMIT APPLICATION

DLK Black River Midstream, LLC announces its application submittal to the New Mexico Environment Department for an air quality permit for the **construction** of its **gas processing plant**. The expected date of application submittal to the Air Quality Bureau is **April 6, 2020**.

The exact location for the proposed facility known as, **Black River Gas Processing Plant**, is/will be at Latitude **32 deg, 15 min, 52.51 sec** and Longitude **-104 deg, 7 min, 55.14 sec**. The approximate location of this facility is **2.1 miles Southwest of Loving, NM** in **Eddy County**.

The proposed **construction** consists of updating the emissions from the facility.

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

Pollutant:	Pounds per hour	Tons per year
Particulate Matter (PM)	5 pph	15 tpy
PM 10	5 pph	15 tpy
PM 2.5	4 pph	12 tpy
Sulfur Dioxide (SO ₂)	27 pph	115 tpy
Nitrogen Oxides (NO _x)	950 pph	160 tpy
Carbon Monoxide (CO)	1900 pph	240 tpy
Volatile Organic Compounds (VOC)	1850 pph	230 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	60 pph	24 tpy
Toxic Air Pollutant (TAP)	n/a	n/a
Green House Gas Emissions as Total CO _{2e}	n/a	100,615 tpy

The standard operating schedule of the facility is 24 hours per day, seven days per week.

The owner and/or operator of the Facility is: **DLK Black River Midstream, LLC; located at 5400 LBJ Freeway, Suite 1500, Dallas, Texas, 75240**

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

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

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

Atención

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

Notice of Non-Discrimination

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

General Posting of Notices – Certification

I, Casey Snow, the undersigned, certify that on **March 31, 2020** submitted a public service announcement to **Carlsbad Radio** that serves the City of **Carlsbad, Eddy County, New Mexico**, in which the source is or is to be located and that **Carlsbad Radio RESPONDED THAT IT WOULD AIR THE ANNOUNCEMENT.**

Signed this 31 day of MAR, 2020.


Signature

3-31-20
Date

Casey Snow
Printed Name

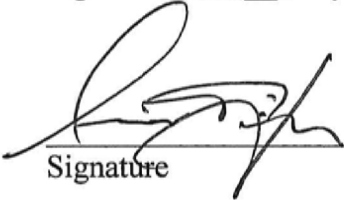
VP – Regulatory, Environmental and Safety
Title {APPLICANT OR RELATIONSHIP TO APPLICANT}

General Posting of Notices – Certification

I, Arsenio T. Jones, the undersigned, certify that on **04/01/2020**, posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the **Carlsbad** of **Eddy** County, State of New Mexico on the following dates:

1. Facility entrance 04/01/2020
2. Eddy County District Court, Carlsbad, New Mexico 4/2/2020
3. United States Post Office, Carlsbad, New Mexico 4/2/2020
4. United States Post Office, Loving, New Mexico 4/2/2020

Signed this 15th day of April, 2020.



Signature

04/01/2020

Date

Arsenio T. Jones

Printed Name

Regulatory Environmental and Safety Representative

Title {APPLICANT OR RELATIONSHIP TO APPLICANT}

Section 10

Written Description of the Routine Operations of the Facility

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

The Black River Gas Processing Plant is an existing natural gas processing plant located in Eddy County. The primary function of the plant is to remove CO₂, water and natural gas liquids from sweet field gas so that the gas can meet pipeline specifications. The plant has been designated a primary Standard Industrial Classification (SIC) Code of 1321.

Stabilizer

The stabilizer system is a distillation process to lower the Reid Vapor Pressure (RVP) of field condensate/ pipeline hydrocarbon liquids that are swept into the plant slug catchers from the gas pipeline. This process uses heat from a hot oil system to drive off volatile components in the condensate and reduce the RVP to less than 9. The liquid in the tank is then stable and thus does not give off significant vapors. The tank is equipped with a fuel gas blanket for further protection.

Amine Treating

The amine unit is designed to remove CO₂ and H₂S from the natural gas stream to meet pipeline specifications. In addition, carbon dioxide can freeze in the cryogenic unit, forming dry ice and forcing the shutdown of the facility. Amine treating is an exothermic chemical reaction process. This aqueous mixture is regenerated and reused. Lean MDEA solution is pumped to the top of the contactor and allowed to flow downward. Wet gas is fed into the bottom of the contactor and flows upward. As the lean MDEA solution flows down through the contactor, it comes into contact with the wet gas. The CO₂ and H₂S reacts with the amine to form an amine carbonate. The reacted amine, known as “sour” or “rich” amine is returned to a regeneration unit, and the processed (“sweet”) gas continues to the dehydration system. Emissions from amine units AM-1 and AM-2 are controlled by the thermal oxidizers unit TO-1 and TO-2 respectively. The amine reboiler is heated by a natural gas fired hot oil heater.

Glycol Dehydration

Triethylene glycol (TEG) dehydration is used to remove water from the natural gas stream and is accomplished by reducing the inlet water dew point (temperature at which vapor begins to condense into a liquid) to the outlet dew point temperature which will contain a specified amount of water. The wet gas is brought into contact with dry “lean” glycol in a countercurrent contactor tower. Water vapor is absorbed in the TEG solution and consequently, its dew point reduces. Wet gas passing through the contactor tower is dehydrated, then passed to the mole sieve beds. The wet (or “rich”) glycol then flows from the absorber to a regeneration system in which it is partially decompressed, then heated to remove water vapor, resulting in “lean” glycol that is reintroduced to the contactor tower. Emissions from glycol dehydrator units, DEHY-1 and DEHY-2, are controlled by flare, FL-2a and thermal oxidizer, TO-2, respectively.

Molecular Sieve Dehydration

Molecular sieve dehydration is used upstream of the cryogenic units to achieve a gas stream dew point of -150°F. The process uses three molecular sieve vessels with one vessel in service absorbing moisture from the gas stream, one vessel in regeneration mode, and one vessel in standby. During the regeneration mode, hot, dry gas (regen gas) is passed up through the vessel to drive off the absorbed moisture from the molecular sieve. The gas comes from the discharge of the residue compressors and it is passed through a direct fired heater to achieve a temperature of approximately 500°F. After the gas passes through the bed it is cooled in an air-cooled exchanger. The water in the gas condenses and is separated from the gas stream in a separator. The regen gas is routed back to the inlet of the plant.

Cryogenic Unit

The cryogenic unit is designed to liquefy natural gas components from the sweet, dehydrated inlet gas by removing work (heat) from the gas by means of the turbo expander. The cryogenic unit recovers natural gas liquids (NGL) by cooling the gas stream to extremely cold temperatures (-150°F and lower) and condensing components such as ethane, propane, butanes and heavier. The gas is cooled by a series of heat exchangers and by rapidly lowering the pressure of the gas from around 1000 PSIG to

approximately 300 PSIG. Once the gas has passed through the system of heat exchangers and expansion, it is re-compressed using the energy obtained from expanding the gas. The gas is sent to residue compressors and pipelined out of the facility.

Storage and Loading Operations

The natural gas liquids are transferred to a third party pipeline. In the event that the pipeline is not available, bullet storage tanks are used to store NGL and load pressurized tanker trucks.

Stabilized condensate is stored in condensate tanks TK-702-A-F, and produced water tanks, TK-701. Both the condensate and produce water tanks are controlled by the vapor combustion unit, VCU-1.

Flares

The plant flares are used as control equipment and during startup, shutdown, maintenance and upset conditions. Flares, FL-1, FL-2b and FL-3 operate during startup, shutdown, maintenance and upset conditions. The only steady state operations associated with these flares are from the pilot and purge gas streams and flare, FL-2a which controls the DEHY-1 condenser overhead off gases. SSM emissions from the plant flare result from maintenance activities per manufacturer-recommended or other preventative maintenance schedules. These maintenance activities include, but are not limited to compressor catalyst changes, blowdowns for associated maintenance throughout the facility, instrument calibrations, and process safety device maintenance.

Section 11

Source Determination

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

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

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

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

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

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

Yes No

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

Yes No

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

Yes No

C. Make a determination:

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

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

Section 12

Section 12.A

PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

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

A. This facility is:

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

B. This facility **is not** one of the listed 20.2.74.501 Table I – PSD Source Categories. The “project” emissions for this modification are **significant. The total emissions from the facility will be less than 250 tpy.** The “project” emissions listed below **do** only result from changes described in this permit application, thus no emissions from other **[revisions or modifications, past or future]** to this facility. Also, specifically discuss whether this project results in “de-bottlenecking”, or other associated emissions resulting in higher emissions. The project emissions (before netting) for this project are as follows [see Table 2 in 20.2.74.502 NMAC for a complete list of significance levels]:

- a. NOx: **146.29** TPY
 - b. CO: **225.73** TPY
 - c. VOC: **243.90** TPY
 - d. SOx: **87.60** TPY
 - e. PM: **12.57** TPY
 - f. PM10: **12.57** TPY
 - g. PM2.5: **9.46** TPY
 - h. Fluorides: **0** TPY
 - i. Lead: **0** TPY
 - j. Sulfur compounds (listed in Table 2): **0** TPY
 - k. GHG: **106454** TPY
-

Section 13

Determination of State & Federal Air Quality Regulations

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

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

Required Information for Specific Equipment:

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

Required Information for Regulations that Apply to the Entire Facility:

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

Regulatory Citations for Regulations That Do Not, but Could Apply:

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

Regulatory Citations for Emission Standards:

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

Federally Enforceable Conditions:

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

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

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

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

Example of a Table for STATE REGULATIONS:

STATE REGULATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Facility	If subject, this would normally apply to the entire facility. 20.2.3 NMAC is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentration of, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. Title V applications, see exemption at 20.2.3.9 NMAC The TSP NM ambient air quality standard was repealed by the EIB effective November 30, 2018.
20.2.7 NMAC	Excess Emissions	Yes	Facility	If subject, this would normally apply to the entire facility. If your entire facility or individual pieces of equipment are subject to emissions limits in a permit or numerical emissions standards in a federal or state regulation, this applies. This would not apply to Notices of Intent since these are not permits.
20.2.23 NMAC	Fugitive Dust Control	Yes	Facility	The Facility will comply with the requirements of 20.2.23.111 for control measures.
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers. Choose all that apply: This facility has new gas burning equipment (external combustion emission sources, such as gas fired boilers and heaters) having a heat input of greater than 1,000,000 million British Thermal Units per year per unit This facility has existing gas burning equipment having a heat input of greater than 1,000,000 million British Thermal Units per year per unit Note: "New gas burning equipment" means gas burning equipment, the construction or modification of which is commenced after February 17, 1972.
20.2.34 NMAC	Oil Burning Equipment: NO ₂	No	N/A	This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers. This facility has oil burning equipment (external combustion emission sources, such as oil fired boilers and heaters) having a heat input of greater than 1,000,000 million British Thermal Units per year per unit.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	Yes	Facility	This regulation establishes sulfur emission standards for natural gas processing plants. The proposed facility meets the definition of a new natural gas processing plant under this regulation and is subject to the requirements of this regulation [20.2.35.7 (B) NMAC]. The facility will comply with all requirements under 20.2.35 NMAC as applicable.
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	N/A	N/A	These regulations were repealed by the Environmental Improvement Board. If you had equipment subject to 20.2.37 NMAC before the repeal, your combustion emission sources are now subject to 20.2.61 NMAC.
20.2.38 NMAC	Hydrocarbon Storage Facility	No	N/A	This regulation could apply to storage tanks at petroleum production facilities, processing facilities, tanks batteries, or hydrocarbon storage facilities.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	This regulation could apply to sulfur recovery plants that are not part of petroleum or natural gas processing facilities.
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	Stationary Combustion Sources	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).
20.2.70 NMAC	Operating Permits	Yes	Facility	This regulation establishes requirements for obtaining a major source operating permit. The facility is a Title V major source. DLK will submit an initial Title V

<u>STATE REGULATIONS</u> CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
				application within 12 months from start of operations per 20.2.70.300.B(1) NMAC.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	If subject to 20.2.70 NMAC and your permit includes numerical ton per year emission limits, you are subject to 20.2.71 NMAC and normally applies to the entire facility.
20.2.72 NMAC	Construction Permits	Yes	Facility	This regulation establishes the requirements for obtaining a construction permit. This facility is subject to 20.2.72 NMAC per 20.2.72.202.C.1.a NMAC
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	You could be required to submit Emissions Inventory Reporting per 20.2.73.300 NMAC if your facility is subject to 20.2.73.200, 20.2.72, or emits more than 1 ton of lead or 10 tons of TSP, PM10, PM2.5, SOx, NOx CO, or VOCs in any calendar year. All facilities that are a Title V Major Source as defined at 20.2.70.7.R NMAC, are subject to Emissions Inventory Reporting.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	No	Facility	This regulation establishes requirements for obtaining a prevention of significant deterioration permit. The facility currently does not have the potential to emit greater than 250 tons per year of any criteria pollutant and, therefore, is not subject to this regulation.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	This regulation applies if you are submitting an application pursuant to 20.2.72, 20.2.73, 20.2.74, and/or 20.2.79 NMAC. If this is a 20.2.73 NMAC application, it is subject to the filing fee at 20.2.75.10 NMAC. If this is a 20.2.72, 20.2.74, and/or 20.2.79 NMAC application it is subject to 20.2.75.10, 11 permit fee, and 11.E annual fees. You are not subject to the 75.11.E annual fees if you are subject to 20.2.71 NMAC.
20.2.77 NMAC	New Source Performance	Yes	Units subject to 40 CFR 60	This is a stationary source which is subject to the requirements of 40 CFR Part 60.Part 60.
20.2.78 NMAC	Emission Standards for HAPS	No	Units Subject to 40 CFR 61	This facility emits hazardous air pollutants which are subject to the requirements of 40 CFR Part 61. 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	Facility	This regulation establishes the requirements for obtaining a nonattainment area permit. The facility is not located in a non-attainment area and therefore is not subject to this regulation.
20.2.80 NMAC	Stack Heights	No	N/A	This regulation establishes requirements for the evaluation of stack heights and other dispersion techniques. This regulation does not apply as all stacks at the facility follow good engineering practice.
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	Units Subject to 40 CFR 63	This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63.

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

<u>FEDERAL REGULATIONS</u> CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
40 CFR 50	NAAQS	Yes	Facility	If subject, this would normally apply to the entire facility. This applies if you are subject to 20.2.70, 20.2.72, 20.2.74, and/or 20.2.79

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
				NMAC.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	Units subject to 40 CFR 60	Applies if any other Subpart in 40 CFR 60 applies.
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	(a) The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating not of greater than 29 MW (100 million Btu/hour). This regulation does not apply because the facility does not operate any electric utility steam generating units.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial- Commercial- Institutional Steam Generating Units	No	N/A	The facility does not have any boilers.
NSPS 40 CFR 60, Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	No	N/A	Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a storage capacity greater than 151,416 liters (40,000 gallons) that is used to store petroleum liquids for which construction is commenced after May 18, 1978 and prior to July 23, 1984. The condensate tanks at this facility were constructed after July 23, 1984, therefore, this subpart does not apply.
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	No	N/A	Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 75 cubic meters (m3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984. The tanks at this facility have a design capacity less than or equal to 1,589.874 m3 used for petroleum or condensate stored, processed, or treated prior to custody transfer. The tanks are not subject.

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	No	N/A	The provisions of this subpart are applicable to the following affected facilities: All stationary gas turbines with a heat input at peak load equal to or greater than 10.7 gigajoules (10 million Btu) per hour, based on the lower heating value of the fuel fired. The facility does not contain the affected units. This regulation does not apply.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	No	N/A	Affected Facility with Leaks of VOC from Onshore Gas Plants. Any affected facility under paragraph (a) of this section that commences construction, reconstruction, or modification after January 20, 1984, is subject to the requirements of this subpart. The group of all equipment (each pump, pressure relief device, open-ended valve or line, valve, compressor, and flange or other connector that is in VOC service or in wet gas service, and any device or 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. <i>A natural gas processing plant is defined as any processing site engaged in the extraction of natural gas liquids from field gas, fractionation of mixed natural gas liquids to natural gas products, or both. The Black River Gas Processing is a natural gas processing plant, but constructed after August 11, 2011 hence the facility is not subject to Subpart KKK.</i>
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO₂ Emissions	No	N/A	The facility is a natural gas processing plant, however, there is not sulfur recovery plant, thus this location does not meet the applicability criteria of 40 CFR 60.640.
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction, modification or reconstruction commenced after August 23, 2011 and before September 18, 2015	No	N/A	EPA Guidance Page: https://www3.epa.gov/airquality/oilandgas/ The rule applies to “affected” facilities that are constructed, modified, or reconstructed after Aug 23, 2011 (40 CFR 60.5365): gas wells, including fractured and hydraulically refractured wells, centrifugal compressors, reciprocating compressors, pneumatic controllers, certain equipment at natural gas processing plants, sweetening units at natural gas processing plants, and storage vessels. If there is a standard or other requirement, then the facility is an “affected facility.” Currently there are standards for: gas wells (60.5375); centrifugal compressors (60.5380); reciprocating compressors (60.5385); controllers (60.5390); storage vessels (60.5395); equipment leaks (60.5400); sweetening units (60.5405). If standards apply, list the unit number(s) and regulatory citation of the standard that applies to that unit (e.g. Centrifugal Compressors 1a-3a are subject to the standards at 60.5380(a)(1) and (2) since we use a control device to reduce emissions)
NSPS 40 CFR Part 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Yes	Facility	This regulation applies to amine units, reciprocating compressors, tanks and fugitive equipment leaks which commenced construction after September 18, 2015.

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	N/A	The facility does not operate an affected source under this subpart.
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	Yes	ENG-1, ENG-2, ENG-3, ENG-4	This regulation establishes standards of performance for stationary spark ignition internal combustion engines. The Waukesha engines at this facility is subject to NSPS JJJJ as it commenced construction after June 12, 2006 and was manufactured on or after July 1, 2007 [§60.4230(a)(4)(i)].
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	The facility does not operate an affected source under this subpart.
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	The facility does not operate an affected source under this subpart.
NSPS 40 CFR 60, Subparts WWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	The facility does not operate an affected source under this subpart.
NESHAP 40 CFR 61 Subpart A	General Provisions	No	Units Subject to 40 CFR 61	NSPS 40 CFR 61 does not apply to the facility because the facility does not emit or have the triggering substances on site and/or the facility is not involved in the triggering activity. The facility is not subject to this regulation. None of the subparts of Part 61 apply to the facility.
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 facility is not involved in these activities. This regulation does not 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	Units Subject to 40 CFR 63	Applies if any other Subpart in 40 CFR 63 applies.

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	Yes	DEHY-1, DEHY-2	This regulation establishes national emission standards for hazardous air pollutants from oil and natural gas production facilities. The facility is a major source of HAPs and meets the definition of a natural gas processing plant. The dehydrator will have a natural gas flow rate equal to or greater than 85 thousand standard cubic feet. The dehydrator vents less than 0.90 megagrams of benzene per year to the atmosphere and is therefore exempt from the emissions control requirements of MACT HH per 63.764(e)(1)(ii). Because the dehydrator complies with the 1 tpy control option under 63.765(b)(1)(ii) it is considered to be a large dehydrator under MACT HH.
MACT 40 CFR 63 Subpart HHH	National Emissions 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 regulation does not apply because this facility is not a natural gas transmission or storage facility as defined in this regulation [40 CFR Part 63.1270(a)].
MACT 40 CFR 63 Subpart DDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	No	N/A	See 63.7480 EPA Guidance Page: https://www.epa.gov/boilers Facility is not a major source of hazardous air pollutants and hence not subject to this regulation.
MACT 40 CFR 63 Subpart UUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	See 63.9980 (known as the MATs rule) EPA Guidance Page: https://www.epa.gov/boilers Facility is does not have a coal and oil fire electric utility steam generating unit.
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)	Yes	ENG-1, ENG-2, ENG-3, ENG-4	The engine(s) must meet the requirements of MACT ZZZZ by meeting the requirements of NSPS JJJJ. No other requirements under this part apply.

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
40 CFR 64	Compliance Assurance Monitoring	Yes	DEHY-1, DEHY-2, AM-1, AM-2	<p>This regulation defines compliance assurance monitoring. This regulation does apply to the amine units and the glycol dehydration units at this facility because the units have potential pre-control device emissions that are equal to or greater than 100 percent of the amount, in tons per year, required for a source to be classified as a major source.</p> <p>DLK will comply with all applicable requirements upon issuance of the Title V permit for this facility.</p>
40 CFR 68	Chemical Accident Prevention	Yes	Facility	The facility is an affected facility, as it will use flammable process chemicals such as propane at quantities greater than the thresholds. The facility will develop and maintain an RMP for these chemicals.
Title IV – Acid Rain 40 CFR 72	Acid Rain	No	N/A	The facility does not operate an affected source under this subpart.
Title IV – Acid Rain 40 CFR 73	Sulfur Dioxide Allowance Emissions	No	N/A	This regulation establishes sulfur dioxide allowance emissions for certain types of facilities. This part does not apply because the facility is not the type covered by this regulation [40 CFR Part 73.2].
Title IV-Acid Rain 40 CFR 75	Continuous Emissions Monitoring	No	N/A	Except as provided in paragraphs (b) through (d) of this section, the provisions apply to each coal-fired utility unit that is subject to an Acid Rain emissions limitation or reduction requirement for SO2 under Phase I or Phase II pursuant to sections 404, 405, or 409 of the Act. This regulation does not apply.
Title IV – Acid Rain 40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	No	N/A	This regulation establishes an acid rain nitrogen oxides emission reduction program. This regulation applies to each coal-fired utility unit that is subject to an acid rain emissions limitation or reduction requirement for SO2. This part does not apply because the facility does not operate any coal-fired units [40 CFR Part 76.1].
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	No	N/A	Not Applicable –facility does not “service”, “maintain” or “repair” Class I or Class II appliances nor “disposes” of such appliances.

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

- The facility has multiple residue gas and NGL outlets planned to ensure offloading of the process streams. In the event that the 3rd party pipeline offloads have issues or outages, and they cannot take the residue gas or NGL, the inlet gas will be appropriately curtailed to ensure that gas is not flared.
- The Amine and Glycol flash gases are routed back to the process instead of routing to the flare, thus reducing the amount of gas burned in the flare. These streams can be routed to the flare if needed, to ensure control.
- Emission from the condensate tanks and produced water tanks are controlled by the vapor combustor to reduce VOC emissions. Compressor blowdowns are routed to flare to reduce emissions during maintenance and malfunction.
- The thermal oxidizers installed at the facility have 99% destruction efficiency
- Glycol still vapors (BTEX) in Plant 3 are routed to the thermal oxidizer (TO-2), instead of the flare. This increases the destruction efficiency of the BTEX vapors, and reduces the fuel consumption in the thermal oxidizer.
- The facility has an LDAR program in place to ensure leaks are found and the components are repaired in a timely manner. DLK also utilizes enviro seal valve for components and nitrile rubber for seals, for efficiency and longevity.
- The Black River Processing plant has modern process and safety systems in place that monitor fire and hazardous gases continuously. The facility has fulltime monitors to observe and locate any safety and/or process issues that could result in an incident. This safeguards health and safety of not only the employees working at the facility but the surrounding area and environment.

Section 15

Alternative Operating Scenarios

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

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

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

There are no alternative operating scenarios at this facility.

Section 16

Air Dispersion Modeling

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

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

Check each box that applies:

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

Section 17

Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

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

Compliance Test History Table

Unit No.	Test Description	Test Date
ENG-1	Annual Test	3/19/2020
ENG-2	Annual Test	1/2/2019
ENG-3	Annual Test	3/19/2020
ENG-4	Annual Test	2/17/2019

Section 20

Other Relevant Information

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

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

There is no other relevant information.

Section 22: Certification

Company Name: DLK Black River Midstream LLC

I, Casey Snow – VP Regulatory, Environmental and Safety, 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 23 day of MARCH, 2020, upon my oath or affirmation, before a notary of the State of

TEXAS

[Signature]
*Signature

23 MAR 2020
Date

CASEY SNOW
Printed Name

VP-REGULATORY, ENVIRONMENTAL, SAFETY
Title

Scribed and sworn before me on this 24 day of March, 2020.

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

28 day of September, 2023.

[Signature]
Notary's Signature

3/24/2020
Date

Sarah Melita Pitts
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.