

August 10, 2016

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

*Re: NSR Significant Revision Application
NSR Permit No. 0295-M8-R4
Oxy USA WTP LP – Indian Basin Gas Plant*

Dear Mr. Schooley:

Pursuant to 20.2.72.219.D NMAC, OXY USA WTP LP (Oxy) is submitting a significant revision to its current NSR construction permit 0295-M8-R4 for the Indian Basin Gas Plant (IBGP). The IBGP is also authorized under Title V Permit P103-R2. The function of the facility is to remove hydrogen sulfide, carbon dioxide and water from raw natural gas to make commercial natural gas. The facility also extracts natural gas liquids (propane and butane) from natural gas.

The purpose of the permit application is to fulfill the Specific Condition added to Permit number PSD0295-M8-R1:

The permittee shall submit a significant permit revision per 20.2.72.219.D NMAC to include an ambient impact analysis for H₂S, within 12 months from the issuance date of NSR PSD0295-M8R3. (Permit number PSD0295-M8-R1 was issued on August 13, 2015.)

Also, Oxy would like to request a cap on fugitive emissions (unit FUG). The cap would allow for the interchange of fugitive components without triggering a 20.2.72.219.B or 20.2.72.219.D NMAC permit revision as long as the change does not result in an exceedance of the allowable emission limit. No other changes are proposed with this application.

The format and content of this application are consistent with the Bureau's current policy regarding significant revision applications; it is a complete application package using the Universal Application Forms.

Enclosed are two hard copies of the application, including an original certification and two discs containing the electronic files. Please feel free to contact me at (713) 985-6304, if you have any questions regarding this application.

Sincerely,



Aditya Singh
Oxy USA WTP LP

CC: Robert Liles, Trinity Consultants, Inc.

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

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

Use this application for: the initial application, modifications, technical revisions, and renewals. For technical revisions, complete Sections, 1-A, 1-B, 2-E, 3, 9 and any other sections that are relevant to the requested action; coordination with the Air Quality Bureau permit staff prior to submittal is encouraged to clarify submittal requirements and to determine if more or less than these sections of the application are needed. Use this application for streamline permits as well. For NOI applications, submit the entire UA1, UA2, and UA3 applications on a single CD (no copies are needed). For NOIs, hard copies of UA1, Tables 2A, 2D & 2F, Section 3 and the signed Certification Page are required.

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

Acknowledgements:

I acknowledge that a pre-application meeting is available to me upon request. Title V Operating, Title IV Acid Rain, and NPR applications have no fees.
 \$500 NSR application Filing Fee enclosed **OR** The full permit fee associated with 10 fee points (required w/ streamline applications).
 Check No.: [redacted] in the amount of \$500
 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.): 197	Updating Permit/NOI #: PSD0295-M8R4
1	Facility Name: Indian Basin Gas Plant	Plant primary SIC Code (4 digits): 1321	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): From Carlsbad: Take US 285 North for approximately 12 miles and turn left on State Highway 137. Go 9 miles on SH-137 and turn right on County Road 401 (Marathon Road) and go 2 miles. Stay right and continue onto CR 404 and go approximately 2 miles. Facility is on the left (south) side of the road.		
2	Plant Operator Company Name: OXY USA WTP Limited Partnership	Phone/Fax: 713-985-6304 / NA	
a	Plant Operator Address: 5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521		
b	Plant Operator's New Mexico Corporate ID or Tax ID: CRS 02-459740-006		

3	Plant Owner(s) name(s): OXY USA WTP Limited Partnership	Phone/Fax: 713-985-6304/NA
a	Plant Owner(s) Mailing Address(s): 5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521	
4	Bill To (Company): OXY USA WTP Limited Partnership /Aditya Singh	Phone/Fax: 713-985-6304/NA
a	Mailing Address: 5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521	E-mail: Aditya_Singh@oxy.com
5	<input checked="" type="checkbox"/> Preparer: Trinity Consultants, Inc. <input checked="" type="checkbox"/> Consultant: Robert Liles	Phone/Fax: 505-266-6611/NA
a	Mailing Address: 9400 Holly Ave. NE, Bldg. 3, Albuquerque, NM 87122	E-mail: rliles@trinityconsultants.com
6	Plant Operator Contact: Thomas Bernal	Phone/Fax: 575-628-4112/NA
a	Address: PO Box 1988 Carlsbad, NM 88221	E-mail: Thomas_Bernal@oxy.com
7	Air Permit Contact: Aditya Singh	Title: Environmental Advisor
a	E-mail: Aditya_Singh@oxy.com	Phone/Fax: 713-985-6304 /NA
b	Mailing Address: 5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521	

Section 1-B: Current Facility Status

1.a	Has this facility already been constructed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.b If yes to question 1.a, is it currently operating in New Mexico? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2	If yes to question 1.a, was the existing facility subject to a Notice of Intent (NOI) (20.2.73 NMAC) before submittal of this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes to question 1.a, was the existing facility subject to a construction permit (20.2.72 NMAC) before submittal of this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Is the facility currently shut down? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, give month and year of shut down (MM/YY): N/A
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the permit No. is: P103-R2
7	Has this facility been issued a No Permit Required (NPR)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NPR No. is: N/A
8	Has this facility been issued a Notice of Intent (NOI)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NOI No. is: N/A
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the permit No. is: PSD0295-M8R4
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the register No. is: N/A

Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: 13.33 MMscfh (field gas); 9.73 bbl/hr (field condensate)	Daily: 320 MMscfd (field gas); 233.60 bbl/day (field condensate)	Annually: 116,800 MMscfy (field gas); 85,265 bbl/yr (field condensate)
b	Proposed	Hourly: 13.33 MMscfh (field gas); 9.73 bbl/hr (field condensate)	Daily: 320 MMscfd (field gas); 233.60 bbl/day (field condensate)	Annually: 116,800 MMscfy (field gas); 85,265 bbl/yr (field condensate)
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: 12.50 MMscfh (residue gas); 520.83 bbl/hr [natural gas liquids (NGL)]; 0.15 MMscfh (acid gas)	Daily: 300 MMscfd (residue gas); 12,500 bbl/day (NGL); 3.6 MMscfd (acid gas)	Annually: 109,500 MMscfy (residue gas); 4,562,500 bbl/yr (NGL) 1,314 MMscfy (acid gas)
b	Proposed	Hourly: 12.50 MMscfh (residue gas); 520.83 bbl/hr [natural gas liquids (NGL)]; 0.15 MMscfh (acid gas)	Daily: 300 MMscfd (residue gas); 12,500 bbl/day (NGL); 3.6 MMscfd (acid gas)	Annually: 109,500 MMscfy (residue gas); 4,562,500 bbl/yr (NGL) 1,314 MMscfy (acid gas)

Section 1-D: Facility Location Information

1	Section: S23	Range: R23E	Township: T21S	County: Eddy	Elevation (ft): 3821
2	UTM Zone: <input type="checkbox"/> 12 or <input checked="" type="checkbox"/> 13			Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 <input checked="" type="checkbox"/> WGS 84	
a	UTM E (in meters, to nearest 10 meters): 540023		UTM N (in meters, to nearest 10 meters): 3591937		
b	AND Latitude (deg., min., sec.): 32, 27, 50.03		Longitude (deg., min., sec.): -104, 34, 26.82		
3	Name and zip code of nearest New Mexico town: Carlsbad, NM 88220				
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): From Carlsbad: Take US 285 North for approximately 12 miles and turn left on State Highway 137. Go 9 miles on SH-137 and turn right on County Road 401 (Marathon Road) and go 2 miles. Stay right and continue onto CR 404 and go approximately 2 miles. Facility is on the left (south) side of the road.				
5	The facility is 14.5 miles West of Carlsbad, NM.				
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: Eddy County				
8	20.2.72 NMAC applications only : Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/aqb/modeling/class1areas.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: Carlsbad Caverns National Park (Class I Area) – approximately 34 km (21 miles)				
9	Name nearest Class I area: Carlsbad Caverns National Park				
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): 34,150 m				
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: 2253.08 m E (Residence)				
12	Method(s) used to delineate the Restricted Area: Fence “ Restricted Area ” is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.				
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? <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? N/A				

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

1	Facility maximum operating ($\frac{\text{hours}}{\text{day}}$): 24	($\frac{\text{days}}{\text{week}}$): 7	($\frac{\text{weeks}}{\text{year}}$): 52	($\frac{\text{hours}}{\text{year}}$): 8,760
2	Facility’s maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start: N/A		AM PM	End: N/A <input type="checkbox"/> AM <input type="checkbox"/> PM
3	Month and year of anticipated start of construction: N/A – No construction is proposed.			
4	Month and year of anticipated construction completion: N/A – No construction is proposed.			
5	Month and year of anticipated startup of new or modified facility: Upon receipt of permit.			
6	Will this facility operate at this site for more than one year? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Section 1-F: Other Facility Information

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

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

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

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

1	Responsible Official (20.2.70.300.D.2 NMAC): Richard Jackson	Phone: (713) 215-7235
a	R.O. Title: President and General Manager	R.O. e-mail: Richard_Jackson@oxy.com
b	R. O. Address: 5 Greenway Plaza, Ste 110, Houston, TX 77046-0521	
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): Keith Sevin	Phone: 713-366-5979
a	A. R.O. Title: Manager of Operations	A. R.O. e-mail: Keith_Sevin@oxy.com
b	A. R. O. Address: 5 Greenway Plaza, Suite 110, Houston, TX 77046-0521	
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): Occidental Permian Ltd – South Hobbs Unit Reinjection Compression Facility	
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.): OXY USA Inc.	
a	Address of Parent Company: 5 Greenway Plaza, Suite 110, Houston, TX 77046-0521	
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.): NGL Ventures LLC	
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations: Clinton W. Kirkes (575-628-4113); Rodney Campbell (575-628-4167)	
7	Affected Programs to include Other States, local air pollution control programs (i.e. Bernalillo) and Indian tribes: Will the property on which the facility is proposed to be constructed or operated be closer than 80 km (50 miles) from other states, local pollution control programs, and Indian tribes and pueblos (20.2.70.402.A.2 and 20.2.70.7.B)? If yes, state which ones and provide the distances in kilometers: Texas – 53 km south (33 mi)	

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**. If ‘head-to-toe printing’ is not possible, print single sided. 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.
- 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** does not need to be 2-hole punched. 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 on compact disk(s) (CD). For 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.
- 4) If **air dispersion modeling** is required by the application type, include the **NMED Modeling Waiver OR** one additional electronic copy of the air dispersion modeling including the input and output files. The dispersion modeling **summary report only** should be submitted as hard copy(ies) unless otherwise indicated by the Bureau. The complete dispersion modeling study, including all input/output files, should be submitted electronically as part of the electronic submittal.
- 5) If 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.

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

- 1) All required electronic documents shall be submitted in duplicate (2 separate CDs). 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 with the number of additional hard copies corresponding to the number of CD copies required. 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 3 electronic files (**2 MSWord docs**: Universal Application section 1 and Universal Application section 3-19) and **1 Excel file** of the tables (Universal Application section 2) on the CD(s). 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 # (0 for original, 1, 2, etc.; which will help keep track of subsequent partial update(s) to the original submittal. The footer information should not be modified by the applicant.

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	Manufacturer	Model #	Serial #	Maximum or Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture or Reconstruction 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 Installation /Construction ²	Emissions vented to Stack #					
ES-02	Regeneration Gas Heater #1	John Zink	HEVD 15	N/A	15 MMBtu/hr	15 MMBtu/hr	- 1980	- ES-02	1020 0602	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-03	Glycol Dehydrator Reboiler	McIver & Smith Fab.	Type 30Z Burner	N7703	2.0 MMBtu/hr	2.0 MMBtu/hr	- 1965	- ES-03	1020 0602	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-04	Turbine Generator #1	Solar	Saturn 10-T1021	S400946; OHF11-S7153	1073 hp	1073 hp	1965 -	- ES-04	2010 0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-05	Turbine Generator #2	Solar	Saturn 10-T1021	S400945; OHF11-S4051	1073 hp	1208 hp	1965 -	- ES-05	2010 0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-06/07	Turbine Recompressor #1	Solar	Centaur 40-4002	CC80580; OHE15-C3585	4000 hp	4000 hp	1980 -	- ES-06/07	2020 0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-08/09	Turbine Recompressor #2	Solar	Centaur 40-4002	CC80578; OHJ14-C3032	4000 hp	4000 hp	1980 -	- ES-08/09	2020 0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-10/11	Turbine Recompressor #3	Solar	Centaur 40-4002	CC80579; OHK11-C8665	4000 hp	4000 hp	1980 -	- ES-10/11	2020 0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-12	Auxiliary Boiler	York - Shipley	SPHC-500-N	83-15354	16.73 MMBtu/hr	16.73 MMBtu/hr	- 2000	- ES-12	1020 0602	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-14 ⁵	Utility Flare Pilot & Purge	Flare Industries	N/A	-	135 MMscfd	135 MMscfd	- 1989	- ES-14	3060 0903	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-17	Turbine Inlet Compressor	Solar	Centaur 50-5502	TBD	5700 hp	5700 hp	1989 -	- ES-17	2020 0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	ES-17
ES-21	Turbine Generator #3	Solar	Saturn 10-T1021	S423381; OHG11-S6950	1146 hp	1146 hp	1970 -	- ES-21	2010 0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A
ES-22	Turbine Recompressor #4	Solar	Centaur 40-4702S	CC79420; OHG11-C2099	4700 hp	4700 hp	1979 -	- ES-22	2020 0201	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> New/Additional <input type="checkbox"/> To Be Modified	<input type="checkbox"/> To be Removed <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To be Replaced	N/A	N/A

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 ignitor

⁵ Flare ES-14 is listed above to represent the pilot and purge emissions. Emissions resulting from SSM events are broken out separately and designated by unit no. ES-14-SSM.

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	Manufacturer	Model #	Serial #	Maximum or Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture or Reconstruction 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 Installation /Construction ²	Emissions vented to Stack #					
ES-40	Glycol Dehydrator Regenerator	McIver & Smith Fab.	N/A	NA	260 MMscfd	260 MMscfd	-	- ⁵	NA	NA	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							1965	VRU-ES-40-SB ⁵					
ES-42 ⁷	Residue Gas Flare Pilot & Purge	Flare Industries	N/A	NA	300 MMscfd	300 MMscfd	-	-	3060 0903	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A	
							2000	ES-42					
ES-47	Condensate Tank 1	-	-	33100	42000 gal	42000 gal	-	ES-50 ⁶	4040 0311	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A	
							2003	ES-50 ⁶					
ES-48	Condensate Tank 2	-	-	2691	42000 gal	42000 gal	-	ES-50 ⁶	4040 0311	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A	
							2003	ES-50 ⁶					
ES-50 ⁷	SSM Flare Pilot/Purge and combustion of	Tornado Combustion Technologies	SL8-26-10-.375-10-316L	10674	3.5 MMscfd	3.5 MMscfd	7/28/2010	-	3060 0903	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A	
							11/15/2010	ES-50 ⁶					
ES-52 ⁸	Skimmer Basin Oil/Condensate Tank	-	-	-	210 bbl	-	-	- ⁹	4040 0311	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A	
							1996	VRU-ES-40-SB ⁹					

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

² Specify dates required to determine regulatory applicability.

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

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

⁵ The vapor recovery unit (VRU-ES-40-SB) for the glycol dehydrator and skimmer basin tanks is not considered a control device but is integral to the process. Potential emissions from VRU-ES-40-SB are classified as fugitive emissions since there is no stack. There is also a **back-up VRU** for the glycol dehydrator/skimmer basin tanks to be designated **VRU-ES-40-SB-BU**.

⁶ Emissions from the gunbarrel (ES-46), condensate tanks (ES-47, ES-58), and condensate truck loading operation (ES-56) will be collected in a closed vent vapor collection system (VCS-COND, which was previously called VRU-COND) and vented to the flare control device ES-50.

⁷ Flares ES-42 and ES-50 listed above include pilot and purge gas emissions. In addition, flare ES-50 includes emissions from combusting vapors from the closed vent vapor collection system (VCS-COND). The VCS-COND system collects vapors from condensate tanks (ES-46, ES-47, ES-48), and condensate truck loading (ES-56). Emissions resulting from flare SSM events are broken out separately and designated by unit nos. ES-42-SSM / ES-50-SSM. SSM emissions for tanks, when the VCS-COND is down, are listed with the individual tanks unit IDs (ES-46, ES-47, ES-48).

⁸ Skimmer basin Tank ES-52 contains oil, which has been separated in the gunbarrel, from the field water tanks. Emissions include only working and standing losses; there are no flashing losses.

⁹ Potential emissions are classified as fugitive since there is no VRU stack.(2) The vapor recovery unit (VRU-ES-40-SB) is connected to the glycol dehydrator & skimmer basin tanks and is considered integral to the process. VRU-ES-40-SB-BU is a back-up VRU only.

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	Manufacturer	Model #	Serial #	Maximum or Rated Capacity ³ (Specify Units)	Requested Permitted Capacity ³ (Specify Units)	Date of Manufacture or Reconstruction 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 Installation /Construction ²	Emissions vented to Stack #				
ES-56 ⁴	Condensate Truck Loading	NA	NA	NA	NA	NA	NA	ES-50	4060 0199	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							2003	ES-50				
ES-60	Natural Gas Liquids Truck Loading	NA	NA	NA	NA	NA	2015	-	4060 0199	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							2015	-				
ES-61	Natural Gas Liquids Truck Loading	NA	NA	NA	NA	NA	2015	-	4060 0199	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							2015	-				
GC-1	Inlet & Sales Gas Chromatograph	ABB	PGC-1000	TBD	NA	NA	2015	-	-	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							2016	-				
GC-2	NGL Gas Chromatograph	ABB	8206 analyzer	TBD	NA	NA	2015	-	-	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							2015	-				
ES-62	Cooling Tower	Accu-Pac	CF150M Ax	TBD	5000 gpm	5000 gpm	2015	-	3850 0110	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							2015	-				
AMINE-1	Amine Sweetening Unit 1	Field Erection & Welding Co. [Olffen Engineering]	-	-	-	-	1965	ES-50	310003 05	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							1966	ES-50				
FUG	Fugitive Emissions	NA	NA	NA	NA	NA	NA	-	NA	<input type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input checked="" type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							NA	-				
ES-14-SSM	Utility Flare - SSM Emissions	Flare Industries	-	-	135 MMscfd	135 MMscfd	-	-	3060 0903	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							1989	ES-14-SSM				
ES-42-SSM	Residue Gas Flare - SSM Emissions	-	-	-	300 MMscfd	300 MMscfd	-	-	3060 0903	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							1989	ES-42-SSM				
ES-50-SSM	SSM Flare - SSM Emissions	Tornado Combustion Technologies Inc.	SL8-26-10-.375-10-316L	10674	3.5 MMscfd	3.5 MMscfd	7/28/2010	-	3060 0903	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced	N/A	N/A
							11/15/2010	ES-50-SSM				

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

² Specify dates required to determine regulatory applicability.

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

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

Table 2-B: Insignificant Activities¹ (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

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

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²	For Each Piece of Equipment, Check One
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²	
ES-23	Methanol Tank #1	-	1200	-	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
			gal	-	IA List Item #1.a	1989/90 est.	
ES-24	Methanol Tank #2	-	760	-	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
			gal	-	IA List Item #1.a	1989/90 est.	
ES-30	Glycol Tank #1	-	8812	-	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
			gal	-	IA List Item #5	1965	
ES-31	Glycol Tank #2	-	752	-	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
			gal	-	IA List Item #5	1986	
ES-32	Glycol Tank #3	-	940	-	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
			gal	-	IA List Item #5	1986	
ES-33	Glycol Tank #4	-	940	-	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
			gal	-	IA List Item #5	1965	
ES-34	Amine Slop Tank #1	-	12117	-	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
			gal	-	IA List Item #5	1965	
ES-35	Amine Slop Tank #2	-	3008	-	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
			gal	-	IA List Item #5	1965	
ES-36	Amine Tank #1	-	4223	-	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
			gal	-	IA List Item #5	1965	
ES-37	Amine Tank #2	-	3008	-	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
			gal	-	IA List Item #5	1965	
ES-38	Turbine Oil Storage Tank 1	-	-	2022	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
			-	gal	IA List Item #5	1980	
ES-39	Turbine Oil Storage Tank 2	-	-	8812	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
			-	gal	IA List Item #5	1988	
ES-49 ³	Produced Water Tank (with up to 5% condensate)	-	-	21000	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
			AP-13991	gal	IA List Item #1.a	2015	
ES-51	Skimmer Basin-Gunbarrel Water Tank	-	-	750	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
			-	bbl	IA List Item #1.a	-	
ES-53	Skimmer Basin Oil/Condensate Tank	-	-	500	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
			-	bbl	IA List Item #1.a	-	
ES-54	Skimmer Basin Water Tank 2	-	-	500	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
			-	bbl	IA List Item #1.a	-	
ES-55	Skimmer Basin Water Tank 3	-	-	500	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
			-	bbl	IA List Item #1.a	-	
ES-57	Skimmer Basin Water Tank 4	-	-	500	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
			-	bbl	IA List Item #1.a	-	

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

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

³ ES-49 was permitted as a like-kind replacement with Technical Permit revision PSD0295-M8R1.

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
VRU-ES-40-SB or VRU-ES-40-SB-BU	Vapor recovery unit connected to glycol dehydrator and skimmer basin tanks. Standby unit (VRU-ES-40-SB-BU) is used if primary unit is down.	VRU-ES-40-SB 2005	VOC	ES-40 (& skimmer basin tanks below)	95%	Engineering Estimate
	The VRU is integral to process vs. a control, but is listed here to be consistent with previous permit applications.	VRU-ES-40-SB-BU Prior to January 20, 1984		Skimmer Basin Tanks: ES-51, ES-52, ES-53, ES-54, ES-55 (& ES-40 above)	95%	Engineering Estimate
VCS-COND/ ES-50	VCS-COND (previously named VRU-COND) is a closed vent vapor collection system for emissions from condensate tanks, gunbarrel, condensate truck loading operations, and gas chromatographs. The collected vapors are controlled by combustion in Flare ES-50	November 15, 2010	VOC	ES-46, ES-47, ES-48, ES-56, GC-1, GC-2	95%	Engineering Estimate
ES-14-SSM	Utility flare -controls emissions during startup, shutdown and maintenance (SSM) events as described in application		VOC, H ₂ S, Mercaptans	Inlet gas; Gas Filters; Residue gas production; ES-4 (pneumatic pump); ES-5 (pneumatic pump); ES-06/07; ES-08/09; ES-10/11; ES-22; & ES-17	98%	TCEQ Flares & Vapor Oxidizers, RG-109 (Draft), October 2000 & Previous NMED Guidance
ES-42-SSM	Residue gas flare -controls emissions during startup, shutdown and maintenance (SSM) events as described in application		VOC, H ₂ S, Mercaptans	Inlet gas & Gas Filters & Residue gas production;	98%	TCEQ Flares & Vapor Oxidizers, RG-109 (Draft), October 2000 & Previous NMED Guidance
ES-50-SSM	SSM flare -controls emissions during startup, shutdown and maintenance (SSM) events as described in application	11/15/2010	VOC, H ₂ S, Mercaptans	NGL vapors (including NGL sales meter, pipeline pumps, & pipeline maintenance); Condensate Stabilizer Compressor (COND-STAB-COM); Acid Gas Compressor (AG-COM); Inlet Gas; & Gas Filters in Plant	98%	TCEQ Flares & Vapor Oxidizers, RG-109 (Draft), October 2000 & Previous NMED Guidance

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

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

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

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

Unit No.	NOx		CO		VOC		SOx		TSP ²		PM10 ²		PM2.5 ²		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
ES-02	1.5	6.4	1.2	5.4	0.081	0.35	0.0088	0.039	0.11	0.49	0.11	0.49	0.11	0.49	-	-	-	-
ES-03	0.20	0.86	0.16	0.72	0.011	0.047	0.0012	0.0051	0.015	0.065	0.015	0.065	0.015	0.065	-	-	-	-
ES-04	4.3	18.9	6.8	29.8	0.73	3.2	0.0079	0.035	0.10	0.45	0.10	0.45	0.10	0.45	-	-	-	-
ES-05	4.3	18.9	6.8	29.8	0.73	3.2	0.0079	0.035	0.10	0.45	0.10	0.45	0.10	0.45	-	-	-	-
ES-06/07	15.4	67.4	3.9	17.0	1.3	5.8	0.025	0.11	0.33	1.4	0.33	1.4	0.3	1.4	-	-	-	-
ES-08/09	15.4	67.4	3.9	17.0	1.3	5.8	0.025	0.11	0.33	1.4	0.33	1.4	0.3	1.4	-	-	-	-
ES-10/11	11.1	48.6	3.9	17.0	1.3	5.8	0.025	0.11	0.33	1.4	0.33	1.4	0.3	1.4	-	-	-	-
ES-12	1.6	7.2	1.4	6.0	0.090	0.39	0.0098	0.043	0.12	0.55	0.12	0.55	0.12	0.55	-	-	-	-
ES-14	0.10	0.44	0.27	1.2	0.021	0.094	-	-	-	-	-	-	-	-	-	-	-	-
ES-17	13.6	59.6	1.0	4.3	1.3	5.8	0.032	0.14	0.42	1.8	0.42	1.85	0.42	1.85	-	-	-	-
ES-21	3.0	12.9	2.8	12.0	0.090	0.39	0.0079	0.035	0.10	0.45	0.10	0.45	0.10	0.45	-	-	-	-
ES-22	6.2	27.0	5.1	22.4	1.4	5.9	0.028	0.12	0.37	1.6	0.37	1.61	0.37	1.61	-	-	-	-
ES-40	-	-	-	-	3.0	13.1	-	-	-	-	-	-	-	-	-	-	-	-
ES-42	0.15	0.64	0.39	1.7	0.031	0.14	-	-	-	-	-	-	-	-	-	-	-	-
ES-46					13.1	57.5	-	-	-	-	-	-	-	-	-	-	-	-
ES-47					6.2	27.2	-	-	-	-	-	-	-	-	-	-	-	-
ES-48					8.6	37.7	-	-	-	-	-	-	-	-	-	-	-	-
ES-50 ³	0.049	0.21	0.13	0.57	0.010	0.045	-	-	-	-	-	-	-	-	-	-	-	-
ES-52	-	-	-	-	0.015	0.066	-	-	-	-	-	-	-	-	-	-	-	-
ES-56	-	-	-	-	40.0	9.5	-	-	-	-	-	-	-	-	-	-	-	-
ES-60	-	-	-	-	0.24	0.13	-	-	-	-	-	-	-	-	-	-	-	-
ES-61	-	-	-	-	0.24		-	-	-	-	-	-	-	-	-	-	-	-
ES-62	-	-	-	-	-	-	-	-	0.42	1.8	0.010	0.050	0.00011	0.00050	-	-	-	-
GC-1	-	-	-	-	0.0039	0.017	-	-	-	-	-	-	-	-	-	-	-	-
GC-2	-	-	-	-	0.00030	0.0010	-	-	-	-	-	-	-	-	3.6E-06	0.0047	-	-
FUG	-	-	-	-	6.3	27.7	-	-	-	-	-	-	-	-	0.0620	0.28	-	-
Totals	76.86	336.65	37.68	165.04	86.18	209.89	0.18	0.79	2.75	12.04	2.34	10.25	2.33	10.20	0.062	0.28	-	-

¹ Significant Figures Examples: One significant figure – 0.03, 3, 0.3. Two significant figures – 0.34, 34, 3400, 3.4

² Condensables: Include condensable particulate matter emissions in particulate matter calculations.

³ ES-50 includes pilot and purge gas emissions only. Combustion emissions resulting from its being a control device are not included as this table is for "uncontrolled emissions".

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "--" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E⁴).

Unit No.	NOx		CO		VOC		SOx		TSP ¹		PM10 ¹		PM2.5 ¹		H ₂ S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
ES-02	1.5	6.4	1.2	5.4	0.081	0.35	0.00881	0.039	0.11	0.49	0.11	0.49	0.11	0.49	-	-	-	-
ES-03	0.20	0.86	0.16	0.72	0.011	0.047	0.00118	0.00515	0.015	0.065	0.015	0.065	0.015	0.065	-	-	-	-
ES-04	4.3	18.9	6.8	29.8	0.73	3.2	0.00793	0.035	0.10	0.45	0.10	0.45	0.10	0.45	-	-	-	-
ES-05	4.3	18.9	6.8	29.8	0.73	3.2	0.00793	0.035	0.10	0.45	0.10	0.45	0.10	0.45	-	-	-	-
ES-06/07	15.4	67.4	3.9	17.0	1.3	5.8	0.025	0.11	0.33	1.4	0.33	1.4	0.33	1.4	-	-	-	-
ES-08/09	15.4	67.4	3.9	17.0	1.3	5.8	0.025	0.11	0.33	1.4	0.33	1.4	0.33	1.4	-	-	-	-
ES-10/11	11.1	48.6	3.9	17.0	1.3	5.8	0.025	0.11	0.33	1.4	0.33	1.4	0.33	1.4	-	-	-	-
ES-12	1.6	7.2	1.4	6.0	0.090	0.39	0.00983	0.043	0.12	0.55	0.12	0.55	0.12	0.55	-	-	-	-
ES-14	0.10	0.44	0.27	1.2	0.021	0.094	-	-	-	-	-	-	-	-	-	-	-	-
ES-17	13.6	59.6	0.98	4.3	1.3	5.8	0.032	0.14	0.42	1.8	0.42	1.8	0.42	1.8	-	-	-	-
ES-21	3.0	12.9	2.8	12.0	0.090	0.39	0.00793	0.035	0.10	0.45	0.10	0.45	0.10	0.45	-	-	-	-
ES-22	6.2	27.0	5.1	22.4	1.4	5.9	0.028	0.12	0.37	1.6	0.37	1.6	0.37	1.6	-	-	-	-
ES-40 ³	-	-	-	-	3.0	13.1	-	-	-	-	-	-	-	-	-	-	-	-
ES-42	0.15	0.64	0.39	1.7	0.031	0.14	-	-	-	-	-	-	-	-	-	-	-	-
ES-50 (pilot/purge) ⁴	0.049	0.21	0.13	0.57	0.010	0.045	-	-	-	-	-	-	-	-	-	-	-	-
ES-50 (control) ⁴	0.13	0.24	0.68	1.3	1.4	2.6	-	-	-	-	-	-	-	-	-	-	-	-
ES-50 (GC's) ⁴	2.2E-04	6.5E-04	1.0E-03	2.9E-03	1.0E-04	4.4E-04	8.1E-06	0.010	-	-	-	-	-	-	8.7E-08	1.1E-04	-	-
ES-50 - Subtotal	0.17	0.46	0.81	1.9	1.4	2.7	8.1E-06	0.010	-	-	-	-	-	-	8.7E-08	1.1E-04	-	-
ES-46 ³	-	-	-	-	0.66	2.9	-	-	-	-	-	-	-	-	-	-	-	-
ES-47 ³	-	-	-	-	0.31	1.4	-	-	-	-	-	-	-	-	-	-	-	-
ES-48 ³	-	-	-	-	0.43	1.9	-	-	-	-	-	-	-	-	-	-	-	-
ES-52 ³	-	-	-	-	0.015	0.066	-	-	-	-	-	-	-	-	-	-	-	-
ES-56 ³	-	-	-	-	0.80	0.19	-	-	-	-	-	-	-	-	-	-	-	-
ES-60	-	-	-	-	0.24	0.13	-	-	-	-	-	-	-	-	-	-	-	-
ES-61	-	-	-	-	0.24		-	-	-	-	-	-	-	-	-	-	-	-
ES-62	-	-	-	-	-	-	-	-	0.51	2.2	0.010	0.060	1.1E-04	6.0E-04	-	-	-	-
GC-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GC-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUG	-	-	-	-	6.3	27.7	-	-	-	-	-	-	-	-	0.062	0.28	-	-
Totals	76.99	336.89	38.36	166.36	21.78	86.91	0.18	0.80	2.84	12.41	2.34	10.26	2.33	10.20	0.062	0.28	-	-

¹ **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for TSP unless TSP is set equal to PM10 and PM2.5.

² Flare SSM emissions and exempt emissions are not included in this table.

³ Certain SSM events related to vapor collection system (VCS-COND) or VRU (VRU-ES-40-SB) downtime are included in the table above to be consistent with historical representations.

⁴ ES-50 flare emissions above are broken out for: (i) Pilot and purge gas; (ii) Combustion control-related for gunbarrel/condensate tanks (ES-46, ES-47, ES-48) & truck loading vapors (ES-56), which are collected in the closed vent vapor collection

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

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

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

Stack No.	Serving Unit Number(s) from Table 2-A	NOx		CO		VOC		SOx		TSP		PM10		PM2.5		<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
VRU-ES-40-SB ¹	ES-40	-	-	-	-	3.0	13.1	-	-	-	-	-	-	-	-	-	-
and		-	-	-	-	0.015	0.066	-	-	-	-	-	-	-	-	-	-
VRU-ES-40-SB-BU		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	3.0	13.1	-	-	-	-	-	-	-	-	-	-
ES-50 ²	ES-46	-	-	-	-	0.26	1.2	-	-	-	-	-	-	-	-	-	-
	ES-47	-	-	-	-	0.12	0.54	-	-	-	-	-	-	-	-	-	-
ES-50 ²	ES-48	-	-	-	-	0.17	0.75	-	-	-	-	-	-	-	-	-	-
	ES-56	-	-	-	-	0.80	0.19	-	-	-	-	-	-	-	-	-	-
	ES-50 (GC-1 & GC-2)	2.0E-04	6.0E-04	0.0018	0.0053	0.001	0.0029	1.9E-06	5.5E-06	-	-	-	-	-	-	-	-
	ES-50 combustion ³	0.13	0.24	0.68	1.3	1.4	2.6	-	-	-	-	-	-	-	-	-	-
Subtotal		0.13	0.24	0.68	1.3	2.7	5.3	1.9E-06	5.5E-06	-	-	-	-	-	-	-	-
Totals:		0.13	0.24	0.68	1.33	5.72	18.40	1.9E-06	5.5E-06	-	-	-	-	-	-	-	-

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 or
						(acfs)	(dscfs)			L x W (ft)
ES-02	ES-02	V	N	77	400	84.07	-	N/A	11.9	3.00
ES-03	ES-03	V	N	30	670	14.73	-	N/A	45.8	0.64
ES-04	ES-04	V	N	12	822	488.15	-	N/A	249.1	1.58
ES-05	ES-05	V	N	10	822	488.15	-	N/A	249.1	1.58
ES-06	ES-06/07	V	N	28	751	1284.36	-	N/A	154.9	3.25
ES-07	ES-06/07	V	N	28	350	859.27	-	N/A	92.5	3.44
ES-08	ES-08/09	V	N	28	751	1284.36	-	N/A	154.9	3.25
ES-09	ES-08/09	V	N	28	350	859.27	-	N/A	92.5	3.44
ES-10	ES-10/11	V	N	28	751	1284.36	-	N/A	154.9	3.25
ES-11	ES-10/11	V	N	28	350	859.27	-	N/A	92.5	3.44
ES-12	ES-12	V	N	19	420	95.92	-	N/A	22.9	2.31
ES-14	ES-14	V	N	174	1832 ¹	4.63 ¹	-	N/A	65.6 ¹	1.9 (physical)
ES-17	ES-17	V	N	20	918	1485.85	-	N/A	179.2	3.25
ES-21	ES-21	V	N	10	822	488.15	-	N/A	249.1	1.58
ES-22A	ES-22	V	N	28	781	1446.05	-	N/A	174.4	3.25
ES-22B	ES-22	V	N	50	440	1048.76	-	N/A	83.5	4.00
ES-42	ES-42	V	N	195	1832 ¹	4.63 ¹	-	N/A	65.6 ¹	3.4 (physical)
ES-43	ES-43	V	N	20	600	58.88	-	N/A	75.0	1.00
ES-50	ES-50	V	N	120	1832 ¹	4.63 ¹	-	N/A	65.6 ¹	0.67

¹ Flare temperatures, velocities, and flow rates are from NMED AQB Modeling Guidelines (1000C=1832 F; 20 m/s=65.6 ft/s; acfm is calculated using effective diameter).

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		Benzene ☑ HAP or ☐ TAP		Ethylbenzene ☑ HAP or ☐ TAP		Toluene ☑ HAP or ☐ TAP		Xylenes ☑ HAP or ☐ TAP		n-Hexane ☑ HAP or ☐ TAP		Formaldehyde ☑ HAP or ☐ TAP		2,2,4- Trimethylpentane ☑ HAP or ☐ TAP		Other (see Calc. section) ☑ 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
		ES-02	ES-02	0.22	0.95	0.011	0.049	0.032	0.14	0.015	0.067	0.020	0.087	0.021	0.092	0.013	0.056	0.043	0.19
ES-03	ES-03	0.029	0.13	0.0015	0.007	0.0042	0.019	0.0020	0.0089	0.0026	0.012	0.0028	0.012	0.0017	0.007	0.0057	0.025	0.0082	0.036
ES-04	ES-04	0.14	0.63	0.0026	0.011	0.029	0.13	0.0039	0.017	0.015	0.066	0.0036	0.016	0.040	0.18	0.0038	0.017	0.045	0.20
ES-05	ES-05	0.14	0.63	0.0026	0.011	0.029	0.13	0.0039	0.017	0.015	0.066	0.0036	0.016	0.040	0.18	0.0038	0.017	0.045	0.20
ES-06/07	ES-06/07	0.47	2.1	0.0084	0.037	0.10	0.42	0.013	0.057	0.049	0.22	0.012	0.052	0.13	0.58	0.013	0.055	0.15	0.66
ES-08/09	ES-08/09	0.47	2.1	0.0084	0.037	0.10	0.42	0.013	0.057	0.049	0.22	0.012	0.052	0.13	0.58	0.013	0.055	0.15	0.66
ES-10/11	ES-10/11	0.47	2.1	0.0084	0.037	0.096	0.42	0.013	0.057	0.049	0.22	0.012	0.052	0.13	0.58	0.013	0.055	0.15	0.66
ES-12	ES-12	0.024	0.11	1.1E-04	5.0E-04	-	-	9.1E-05	4.0E-04	2.3E-05	1.0E-04	0.0054	0.024	0.0059	0.026	5.5E-04	0.0024	0.012	0.053
ES-14	ES-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ES-17	ES-17	0.64	2.8	0.011	0.050	0.13	0.57	0.018	0.078	0.067	0.29	0.016	0.070	0.18	0.79	0.017	0.075	0.20	0.89
ES-21	ES-21	0.14	0.63	0.0026	0.011	0.029	0.13	0.0039	0.017	0.015	0.066	0.0036	0.016	0.040	0.18	0.0038	0.017	0.045	0.20
ES-22	ES-22	0.54	2.3	0.010	0.042	0.11	0.47	0.015	0.065	0.056	0.25	0.013	0.058	0.15	0.66	0.014	0.062	0.17	0.74
VRU-ES-40-SB ¹	ES-40, ES-52	1.4	6.0	0.24	1.0	0.11	0.50	0.54	2.4	0.21	0.93	0.27	1.2	-	-	1.0E-04	4.5E-04	-	-
ES-42	ES-42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ES-43	ES-43	0.022	0.095	0.0011	0.0049	0.0032	0.014	0.0015	0.0067	0.0020	0.0087	0.0021	0.0092	0.0013	0.0055	0.0043	0.019	0.0062	0.027
ES-50 ²	ES-46,47,48,56	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	ES-50	0.28	0.55	0.039	0.075	0.0021	0.0040	0.038	0.074	0.016	0.032	0.19	0.36	-	-	-	-	-	-
FUG	FUG	0.037	0.16	0.029	0.13	2.3E-04	0.0010	0.0076	0.033	0.0010	0.0042	-	-	-	-	-	-	-	-
Subtotals (Page 1 of 2):		5.0	21.3	0.37	1.5	0.77	3.4	0.69	2.9	0.57	2.5	0.56	2.0	0.87	3.8	0.13	0.58	1.0	4.6

Table 2-J: Fuel

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

Unit No.	Fuel Type (No. 2 Diesel, Natural Gas, Coal, ...)	Specify Units				
		Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
ES-02	Pipeline Quality Natural gas	1012	14.6 Mscf	127.8 MMscf	2 gr S/1000 scf	NA
ES-03	Pipeline Quality Natural gas	1012	2.0 Mscf	17.2 Mscf	2 gr S/1000 scf	NA
ES-04	Pipeline Quality Natural gas	1012	12.0 Mscf	105.5 Mscf	4 ppmv H ₂ S	NA
ES-05	Pipeline Quality Natural gas	1012	12.0 Mscf	105.5 Mscf	4 ppmv H ₂ S	NA
ES-06/07	Pipeline Quality Natural gas	1012	32.5 Mscf	284.5 Mscf	4 ppmv H ₂ S	NA
ES-08/09	Pipeline Quality Natural gas	1012	32.5 Mscf	284.5 Mscf	4 ppmv H ₂ S	NA
ES-10/11	Pipeline Quality Natural gas	1012	32.5 Mscf	284.5 Mscf	4 ppmv H ₂ S	NA
ES-12	Pipeline Quality Natural gas	1012	32.5 Mscf	284.5 Mscf	2 gr S/1000 scf	NA
ES-14	Pipeline Quality Natural gas - Pilot & Purge	1012	726 scfh	6.4 MMscf	-	NA
ES-17	Pipeline Quality Natural gas	1012	41.9 Mscf	366.96 MMscf	4 ppmv H ₂ S	NA
ES-21	Pipeline Quality Natural gas	1012	12.0 Mscf	105.5 MMscf	4 ppmv H ₂ S	NA
ES-22	Pipeline Quality Natural gas	1012	36.9 Mscf	323.3 MMscf	4 ppmv H ₂ S	NA
ES-42	Pipeline Quality Natural gas - Pilot & Purge	1012	1050 scfh	9.2 MMscf	-	NA
ES-43	Pipeline Quality Natural gas	1012	10.3 Mscf	90.1 MMscf	2 gr S/1000 scf	NA
ES-50	Pipeline Quality Natural gas - Pilot & Purge	1012	350 scfh	3.1 MMscf	-	NA

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										
ES-02	mass GHG	7679.6	0.014	0.14											7679.8	
	CO ₂ e	7679.6	4.32	3.62												7687.6
ES-03	mass GHG	1023.9	0.0019	0.02											1024.0	
	CO ₂ e	1023.9	0.58	0.48												1025.0
ES-04	mass GHG	6298.0	0.012	0.12											6298.1	
	CO ₂ e	6298.0	3.54	2.97												6304.5
ES-05	mass GHG	6298.0	0.012	0.12											6298.1	
	CO ₂ e	6298.0	3.54	2.97												6304.5
ES-06/07	mass GHG	19969.9	0.038	0.38											19970.3	
	CO ₂ e	19969.9	11.22	9.42												19990.5
ES-08/09	mass GHG	19969.9	0.038	0.38											19970.3	
	CO ₂ e	19969.9	11.22	9.42												19990.5
ES-10/11	mass GHG	19969.9	0.038	0.38											19970.3	
	CO ₂ e	19969.9	11.22	9.42												19990.5
ES-12	mass GHG	8565.3	0.016	0.16											8565.5	
	CO ₂ e	8565.3	4.81	4.04												8574.2
ES-14	mass GHG	590.7	0.0012	4.12											594.8	
	CO ₂ e	590.7	0.35	102.89												693.9
ES-17	mass GHG	25762.4	0.049	0.49											25762.9	
	CO ₂ e	25762.4	14.48	12.15												25789.0
ES-21	mass GHG	6298.0	0.012	0.12											6298.1	
	CO ₂ e	6298.0	3.54	2.97												6304.5
ES-22	mass GHG	22449.6	0.042	0.42											22450.1	
	CO ₂ e	22449.6	12.62	10.59												22472.8
ES-40	mass GHG	0.017	NA	0.805											0.82	
	CO ₂ e	0.017	N/A	20.14												20.2
Total (p.1 of 2)	mass GHG	144875.2	0.27	7.6											144883.1	
	CO ₂ e	144875.2	81.4	191.1												145147.7

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.

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										
ES-42	mass GHG	4662.7	0.0091	30.30											4693.0	
	CO ₂ e	4662.7	2.72	757.5												5422.9
ES-43	mass GHG	5375.7	0.010	0.1014											5375.8	
	CO ₂ e	5375.7	3.02	2.5348												5381.3
ES-46	mass GHG	0	N/A	0.0044											0.0044	
	CO ₂ e	0	N/A	0.1108												0.11
ES-47	mass GHG	0	N/A	0.00040											0.0004	
	CO ₂ e	0	N/A	0.0101												0.010
ES-48	mass GHG	0	N/A	0.0020											0.0020	
	CO ₂ e	0	N/A	0.0504												0.050
ES-49	mass GHG	0	N/A	0.00053											0.00053	
	CO ₂ e	0	N/A	0.0133												0.013
ES-50	mass GHG	412.0	0.00	1.61											413.6	
	CO ₂ e	412.0	0.12	40.25												452.3
ES-52	mass GHG	0	N/A	0.00025											0.00025	
	CO ₂ e	0	N/A	0.0062												0.0062
ES-56	mass GHG	N/A	N/A	0.42											0.42	
	CO ₂ e	N/A	N/A	10.51												10.5
FUG	mass GHG	1.6	N/A	78.51											80.1	
	CO ₂ e	1.6	N/A	1962.85												1964.5
Total (p.2 of 2)	mass GHG	10452.0	0.020	111.0											10563.0	
	CO ₂ e	10452.0	5.9	2773.8												13231.6
Total (p.1 & 2)	mass GHG														144883.1	
	CO ₂ e															145147.7
	mass GHG														155446.0	
	CO ₂ e															158379.3

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).

Routine or predictable emissions during Startup, Shutdown, and Maintenance (SSM): 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.

Pursuant to 20.2.72.219.D NMAC, OXY USA WTP LP (Oxy) is submitting this significant revision to its current NSR construction permit 0295-M8-R4 for the Indian Basin Gas Plant (IBGP). The IBGP is also authorized under Title V Permit P103-R2. The function of the facility is to remove hydrogen sulfide, carbon dioxide and water from raw natural gas to make commercial natural gas. The facility also extracts natural gas liquids (propane and butane) from natural gas.

The purpose of the permit application is to fulfill the Specific Condition added to Permit number PSD0295-M8-R1:
The permittee shall submit a significant permit revision per 20.2.72.219.D NMAC to include an ambient impact analysis for H₂S, within 12 months from the issuance date of NSR PSD0295-M8R3. (Permit number PSD0295-M8-R1 was issued on August 13, 2015.)

Also, Oxy would like to propose a cap on fugitive emissions (unit FUG). The cap would allow for the interchange of fugitive components without triggering a 20.2.72.219.B or 20.2.72.219.D NMAC permit revision as long as the change does not result in an exceedance of the allowable emission limit.

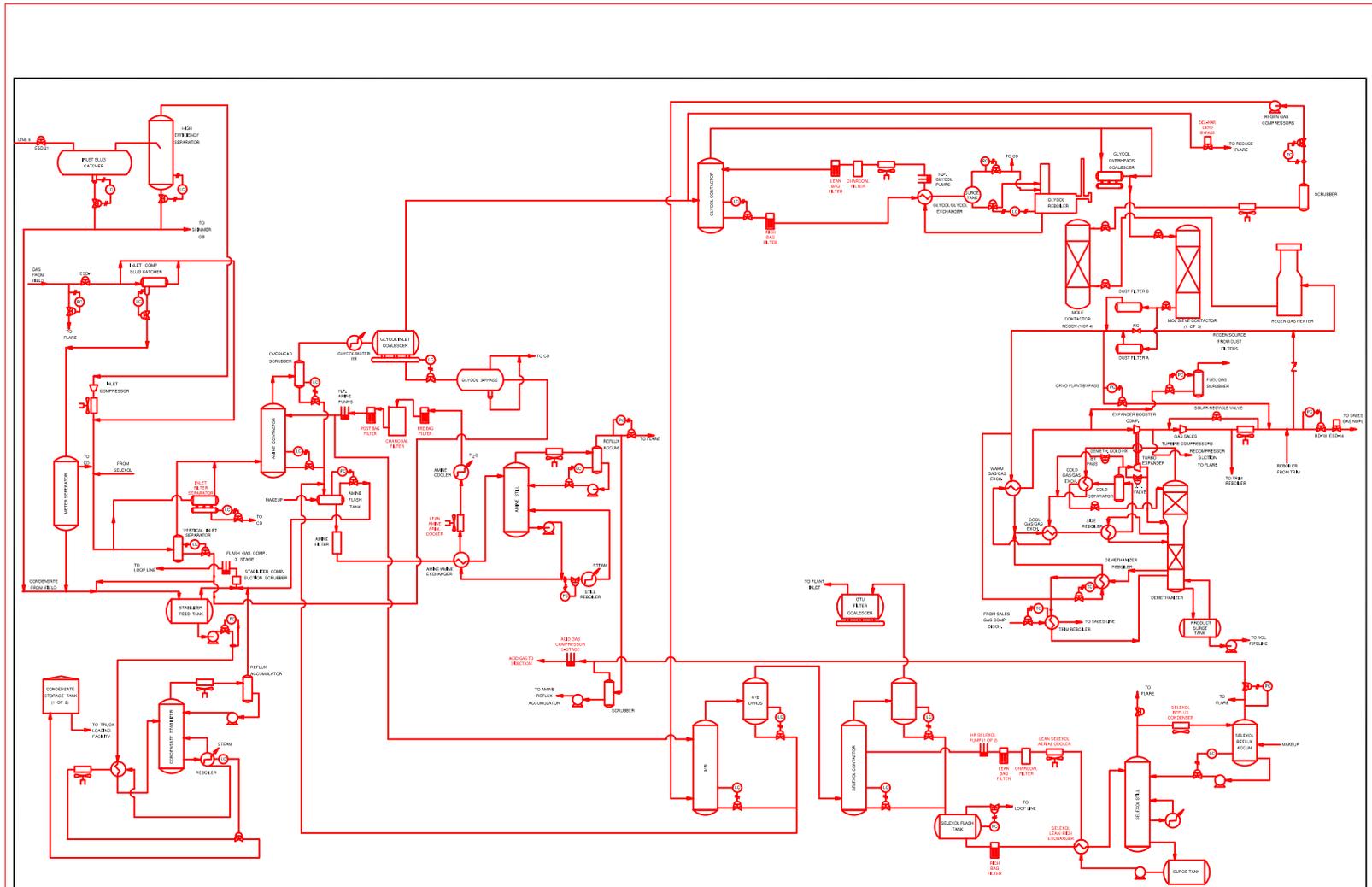
No other changes are proposed with this application.

Section 4

Process Flow Sheet

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

A process flow sheet is attached.



NO.	DESCRIPTION	DATE	BY
0	REVISED FOR APPROVAL	13/02/15	BJR
REFERENCE DRAWINGS			
REVISIONS			



DRAWN BY		INDIAN BASIN GAS PLANT		REV. NO. / SHEET NO.	
DATE		PROJECT NO.		DRAWING NO.	
NONE		000	00	0001	11
					0

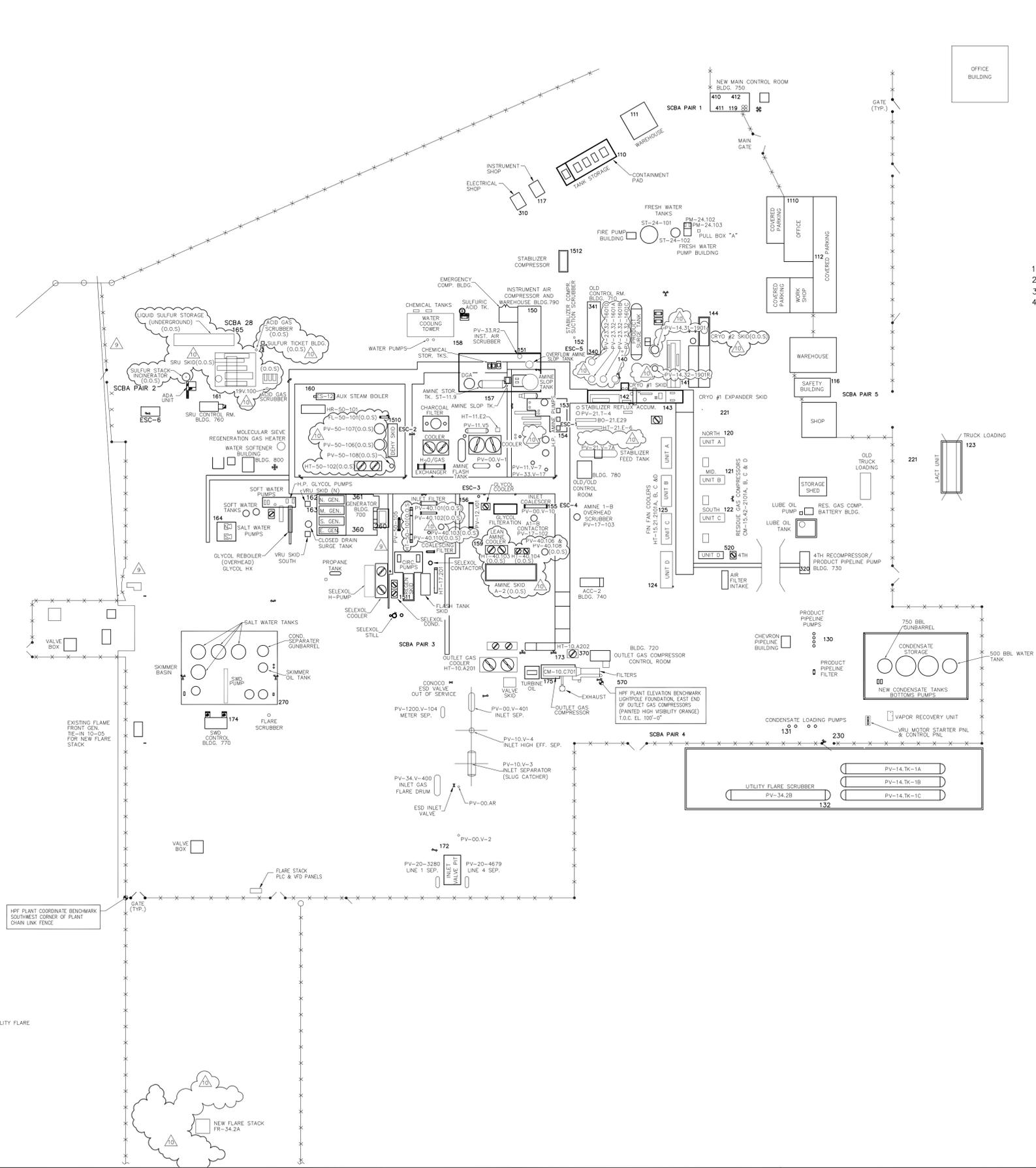
**INDIAN BASIN GAS PLANT
PROCESS FLOW DIAGRAM**

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.

A plot plan is attached.



100 SERIES 30 LB. DRY CHEMICAL
200 SERIES WHEEL UNITS
300 SERIES CO2
400 SERIES HALON

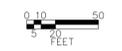
SEE AGC PLOT PLAN
ACID GAS COMPRESSOR = ZONE 1600
ACID GAS COMPRESSOR PLC - AGC-1600

(OFFSITE LOCATION NOT SHOWN ON THIS DWG.)

REVISED DESTROY
ALL PREVIOUS ISSUES

ISSUED FOR
04/01/2015
AS BUILT

HPF CONSULTANTS, INC.
TBPB FIRM REG. # 4098



NO.	DATE	DESCRIPTION	DRAWN	CHECKED	APPD.
6	9/24/13	REV. PER OXY MOC, OPM-10376	PVL		
5	5/22/12	REVISED AS BUILT PER HPF #12053	PVL		
11	04/01/15	UPDATED OXY LOGO, HPF #15015	LPD	SAY	
10	3/3/15	REVISED PER OXY, HPF #15015	IMDR	SAY	SAY
9	5/8/14	REVISED PER OXY, HPF #14027	PVL		
8	3/24/14	REVISED ES-12 LOC. PER HPF #13076	PVL	JW	
7	3/6/14	REV. PER OXY OPM #10561, HPF #14002	PVL		

DESIGNED:		ISSUED FOR CONSTRUCTION:	
DRAWN:	EC	OXY APPROVAL:	DATE:
CHECKED:		OTHER APPROVAL:	DATE:
APPD. DESIGN:		OTHER APPROVAL:	DATE:
APPD. PROCESS:			
APPD. PROJ. ENGR:			
NAME:	DATE:		

SCALE: 1" = 60'-0"
 FILENAME: D-C03-101C
 DRAWING NO: D-C03-101C



INDIAN BASIN GAS PLANT
PLOT PLAN

HPF CONSULTANTS, INC.
ENGINEERING, DESIGN & INSPECTION
MIDLAND, TEXAS

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.

Emission calculations are not changing compared to permitted values.

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.
-

Emission calculations are not changing compared to permitted values.

Section 8

Map(s)

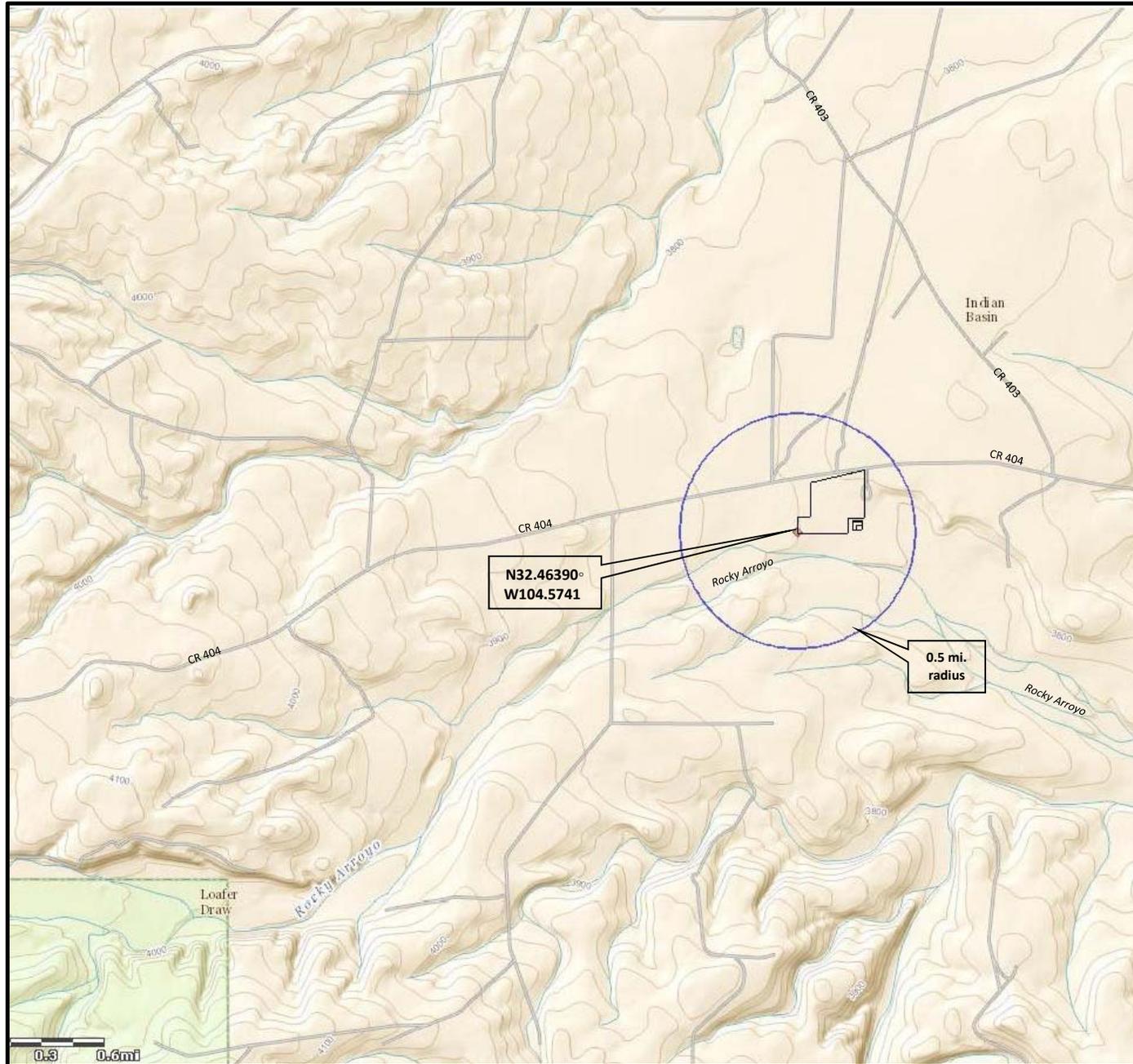
A map such as a 7.5 minute topographic quadrangle showing the exact location of the source. The map shall also include the following:

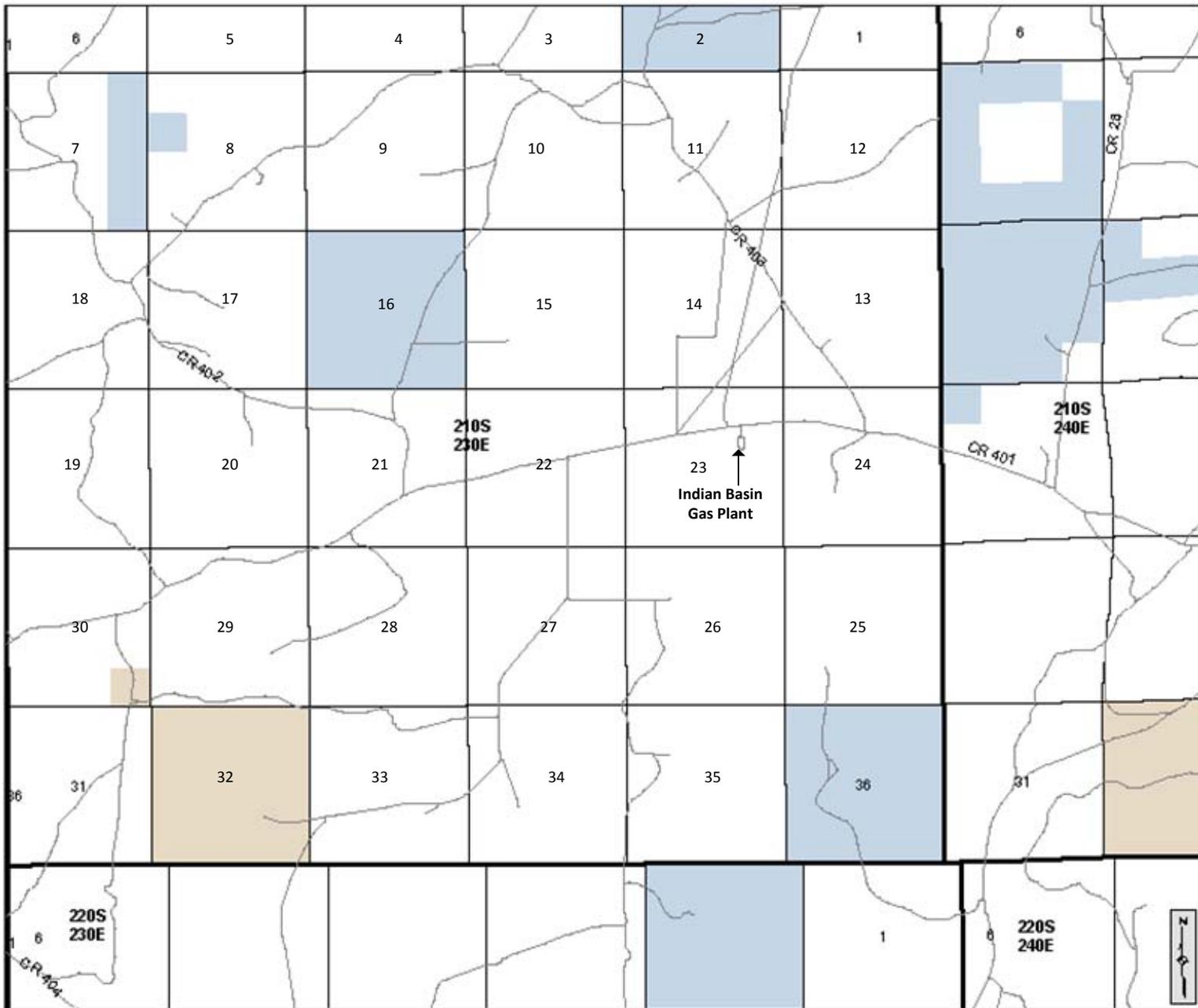
The UTM or Longitudinal coordinate system on both axes	An indicator showing which direction is north
A minimum radius around the plant of 0.8km (0.5 miles)	Access and haul roads
Topographic features of the area	Facility property boundaries
The name of the map	The area which will be restricted to public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

A map showing the location of the facility is attached.

Indian Basin Gas Plant

NOTES: Data available from U.S. Geological Survey, National Geospatial Program.





Cartographic Features

- City, Town or Village
- County Seat
- - County Boundary
- ▲ SLO District Office
- SLO District Boundary
- Land Grant
- Interstate Highway
- US Highway
- NM Highway
- Local Road or Street

Federal Surface Management

- Bureau of Land Management
- Bureau of Reclamation
- Department of Agriculture
- Department of Defense
- Department of Energy
- USDA Forest Service
- Fish and Wildlife Service
- Bureau Indian Affairs
- National Park Service
- Valles Caldera National Preserve

State Trust Lands

- Surface Estate
- Subsurface Estate
- Surface and Subsurface Estate

Lease Types

- Oil and Gas Lease
- Agricultural Lease
- Commercial Lease
- Mineral Lease

**New Mexico State Land Office
Trust Land Status**

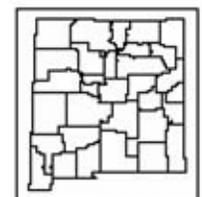


Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with, the accuracy, reliability or use of the information provided here, in State Land Office data layers or any other data layer.

Land Office Geographic Information Center
logis@slo.state.nm.us

Created On: 5/22/2015 8:23:46 AM



www.nmstatelands.org

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.

Proof of public notice is attached.

Section 9.1

Copy of Postmarked Certified Letter Receipts

7014 1200 0001 1437 3523

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage			

Sent To: Eddy County
Attn: Manager's Office
101 W. Greene St.
Carlsbad, NM 88220

Street, Apt. # or PO Box No.
City, State, Z

PS Form 3800, August 2006 See Reverse for Instructions

7014 1200 0001 1437 3530

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage			

Sent To: Bureau of Land Management
Attn: Carlsbad Field Office
620 E. Greene St.
Carlsbad, NM 88220

Street, Apt. # or PO Box No.
City, State, Z

PS Form 3800, August 2006 See Reverse for Instructions

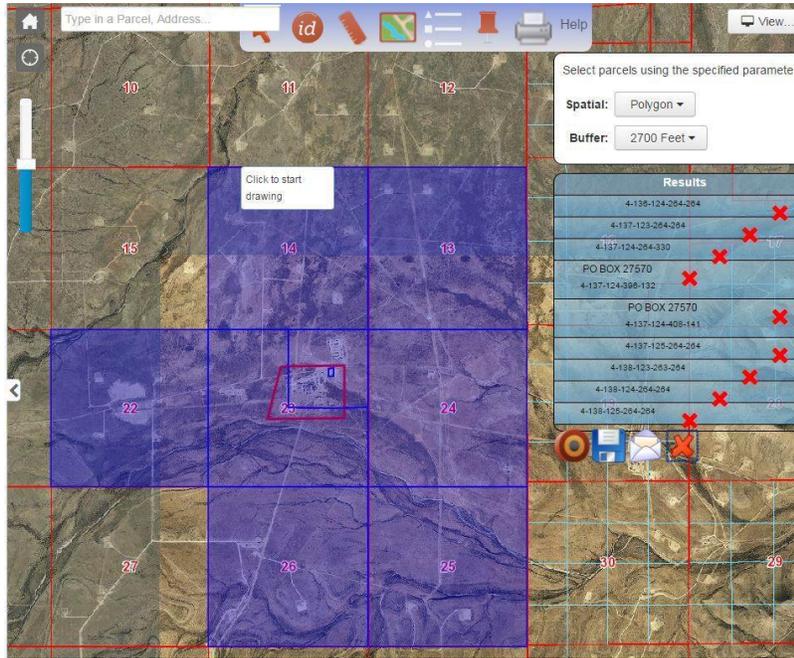
Section 9.2

Public Notice Posting Locations

This information is provided in *Section 9.6: General Public Notice Posting – Certification*.

Section 9.3

Property Tax Record



Section 9.4 & 9.5

Letter sent to owners of record and Letter sent to counties, municipalities, and Indian tribes

The letter provided on the following page was sent to the following owners of record:

Land Owner	Street Address	City	State	Zip
Bureau of Land Management	620 E. Greene St.	Carlsbad	NM	88220

The letter provided on the following page was sent to the following counties, municipalities, and Indian tribes:

Municipalities	Street Address	City	State	Zip
Eddy County Manager's Office	101 W. Greene St. Ste 110	Carlsbad	NM	88220
No Tribal Lands within 10 miles				

August 09, 2016

CERTIFIED MAIL XXXX XXXX XXXX XXXX RETURN RECEIPT
REQUESTED

To Whom It May Concern:

OXY USA WTP, Limited Partnership announces its intent to apply to the New Mexico Environment Department for an air quality permit revision for a natural gas processing plant. The expected date of the application submittal to the Air Quality Bureau is August 12, 2016. This notice is a requirement according to New Mexico air quality regulations.

The exact location for the facility known as the Indian Basin Gas Plant is at latitude 32 deg., 27 min., 50.03 sec. and longitude -104 deg, 34 min., 26.82 sec. The approximate location of this facility is 14.5 miles west of Carlsbad, NM in Eddy County. From Carlsbad, take US 285 North for approximately 12 miles and turn left on State Highway 137. Go 9 miles on SH-137 and turn right on County Road 401 (Marathon Road) and go 2 miles. Stay right and continue onto CR 404 and go approximately 2 miles. Facility is on the left (south) side of the road.

The purpose of the air quality permit application is to demonstrate compliance with air quality standards for hydrogen sulfide emissions and update permit conditions.

The estimated maximum quantities of any regulated air contaminant will be as listed below.

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	3.5	15.5
PM ₁₀	2.6	12
PM _{2.5}	2.6	12
Sulfur Dioxide (SO ₂)	7750	94
Nitrogen Oxides (NO _x)	721	381
Carbon Monoxide (CO)	1744	204
Volatile Organic Compounds (VOC)	314	99
Hydrogen Sulfide (H ₂ S)	83	1.0
Total sum of all Hazardous Air Pollutants (HAPs)	6	23
Greenhouse Gas (as Total CO _{2e})	n/a	160,000

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

The owner and/or operator of the Plant is: Occidental Permian, Ltd.; Attn: Aditya Singh; 5 Greenway Plaza, Suite 110; Houston, TX 77046-0521

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

Sincerely,

OXY USA WTP; Attn: Aditya Singh; 5 Greenway Plaza, Suite 110; Houston, TX 77046-0521

Section 9.6

General Posting of Notices - Certification

General Posting of Notices – Certification can be found on the next page.

General Posting of Notices – Certification

I, Rodney Campbell, the undersigned, certify that on 8/9/2016, posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the city of Carlsbad in Eddy County, State of New Mexico on the following dates:

1. OXY USA WTP
Indian Basin Gas Plant Entrance
08/09/16
2. US Postal Office
301 North Canyon Street
Carlsbad, NM 88220
08/09/16
3. Carlsbad Library
101 South Halagueno Street
Carlsbad, NM 88220
08/09/16
4. US Postal Office
3010 National Parks Hwy
Carlsbad, NM 88220
08/09/16

Signed this 9th day of August, 2016.



Signature

08/09/2016
Date

Rodney Campbell

Printed Name

HES Specialist

Title

NOTICE

OXY USA WTP, Limited Partnership announces its intent to apply to the New Mexico Environment Department for an air quality permit revision for a natural gas processing plant. The expected date of the application submittal to the Air Quality Bureau is August 12, 2016. This notice is a requirement according to New Mexico air quality regulations.

The exact location for the facility known as the Indian Basin Gas Plant is at latitude 32 deg., 27 min., 50.03 sec. and longitude -104 deg, 34 min., 26.82 sec. The approximate location of this facility is 14.5 miles west of Carlsbad, NM in Eddy County. From Carlsbad, take US 285 North for approximately 12 miles and turn left on State Highway 137. Go 9 miles on SH-137 and turn right on County Road 401 (Marathon Road) and go 2 miles. Stay right and continue onto CR 404 and go approximately 2 miles. Facility is on the left (south) side of the road.

The purpose of the air quality permit application is to demonstrate compliance with air quality standards for hydrogen sulfide emissions and update permit conditions.

The estimated maximum quantities of any regulated air contaminant will be as listed below.

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	3.5	15.5
PM ₁₀	2.6	12
PM _{2.5}	2.6	12
Sulfur Dioxide (SO ₂)	7750	94
Nitrogen Oxides (NO _x)	721	381
Carbon Monoxide (CO)	1744	204
Volatile Organic Compounds (VOC)	314	99
Hydrogen Sulfide (H ₂ S)	83	1.0
Total sum of all Hazardous Air Pollutants (HAPs)	6	23
Greenhouse Gas (as Total CO _{2e})	n/a	160,000

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

The owner and/or operator of the Plant is: Occidental Permian, Ltd.; Attn: Aditya Singh; 5 Greenway Plaza, Suite 110; Houston, TX 77046-0521

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

Section 9.7

Notices Sent

Information provided in *Section 9.4: Letter sent to owners of record* and *9.5: Letter sent to counties, municipalities, and Indian tribes*.

Section 9.8

Submittal of Public Service Announcement – Certification

I, Kate Riffenburg, the undersigned, certify that on Wednesday, August 10, 2016, submitted a public announcement to KATK 92.1 FM that serves Carlsbad, New Mexico, in which the source is or is proposed to be located and KATK 92.1 FM responded that they do not do PSA's without a charge.

Signed this 10th day of August, 2016.



Signature

August 10, 201

Date

Kate Riffenburg

Printed Name

Project and Business Development, Trinity Consultants

Title

From: Kate Riffenburg
To: ["debbie@carlsbadradio.com"](mailto:debbie@carlsbadradio.com)
Subject: Public Service Announcement Request - OXY Indian Basin Gas Plant
Date: Wednesday, August 10, 2016 8:59:43 AM
Attachments: [image001.png](#)
[image003.png](#)
[image005.png](#)

VIA EMAIL

To:	KATK 92.1 FM	From:	Kate Riffenburg, Trinity Consultants	
Phone:	575-887-7563	Pages:	1 – including cover	
Fax:	n/a	Phone:	(505) 266-6611	
Email:	debbie@carlsbadradio.com	Email:	KRiffenburg@trinityconsultants.com	
Subject:	PSA	Date:	<i>August 10, 2016</i>	
<input checked="" type="checkbox"/> Urgent	<input type="checkbox"/> For Review	<input type="checkbox"/> Please Comment	<input type="checkbox"/> Please Reply	<input type="checkbox"/> Please Recycle

Comments:

As part of the air quality permit process, New Mexico requires applicants to submit a public service announcement identifying the proposed permit action and providing information as to how the public can comment on this action. Below is such an announcement. Would you air it as a PSA?

Radio Public Service Announcement

NOTICE

OXY USA WTP, Limited Partnership announces its intent to apply to the New Mexico Environment Department for an air quality permit revision for a natural gas processing plant. The expected date of the application submittal to the Air Quality Bureau is August 12, 2016. This notice is a requirement according to New Mexico air quality regulations.

The exact location for the facility known as the Indian Basin Gas Plant is at latitude 32 deg., 27 min., 50.03 sec. and longitude -104 deg, 34 min., 26.82 sec. The approximate location of this facility is 14.5 miles west of Carlsbad, NM in Eddy County. From Carlsbad, take US 285 North for approximately 12 miles and turn left on State Highway 137. Go 9 miles on SH-137 and turn right on County Road 401 (Marathon Road) and go 2 miles. Stay right and continue onto CR 404 and go approximately 2 miles. Facility is on the left (south) side of the road.

The purpose of the air quality permit application is to demonstrate compliance with air quality standards for hydrogen sulfide emissions and update permit conditions.

The owner and/or operator of the Plant is: Occidental Permian, Ltd.; Attn: Aditya Singh; 5 Greenway Plaza, Suite 110; Houston, TX 77046-0521.

Public Notice of this application is posted at the OXY Indian Basin Gas Plant Entrance, the US Post Office located at 301 North Canyon Street, Carlsbad, NM, the Carlsbad Library located at 101 South Halagueno Street, Carlsbad, NM and the US Post Office located at 3010 National Parks Hwy, NM.

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.

Thanks,
Kate

.....
Kate Riffenburg
Southwest Region Project and Business Development Assistant

Trinity Consultants Inc.
9400 Holly Avenue | Bldg 3 Suite 300 | Albuquerque, NM 87122 | Office: (505) 266-6611x101
Email: kriffenburg@TrinityConsultants.com | Website: www.TrinityConsultants.com

Stay current on environmental issues. [Subscribe](#) today to receive Trinity's free [Environmental Quarterly](#).



CLICK [HERE](#) TO EXPLORE OTHER TRAINING OPPORTUNITIES WITH TRINITY CONSULTANTS!

Section 9.9

Newspaper Classified/Legal Advertisement

Newspaper Classified/Legal Advertisement can be found on the next page.

Classifieds

To advertise call 575.628.5522

Phone: Kathy 628.5522 | Mail: Carlsbad Current-Argus P.O. Box 1629 Carlsbad, NM 88220



Visit us online at currentargus.com

Classified Ads • 575.628.5522

Fax • 575.885.1066

Telephone Hours: M-F, 8:00 a.m.-5:00 p.m.

620 S. Main St. Carlsbad, NM 88220, classifieds@currentargus.com

Walk-In Business Hours: 8 a.m.-4:00 p.m. We accept most major credit cards.

Deadlines: Your ad must be received by 1pm the day prior to running for Tuesday-Friday, 10 am Friday for Saturday issue, 1 pm Friday for Sunday's issue. All ads must be prepaid.

Early Cancellations: Sorry, no refunds or adjustments for early cancellations. Thank You.

Legal Notices 152
August 10, 2016

NOTICE OF AIR QUALITY PERMIT APPLICATION

OXY USA WTP, Limited Partnership announces its intent to apply to the New Mexico Environment Department for an air quality permit revision for a natural gas processing plant. The expected date of the application submittal to the Air Quality Bureau is August 12, 2016. This notice is a requirement according to New Mexico air quality regulations.

The exact location for the facility known as the Indian Basin Gas Plant is at latitude 32 deg., 27 min., 50.03 sec. and longitude - 104.82 deg, 34 min., 26.82 sec. The approximate location of this facility is 14.5 miles west of Carlsbad, NM in Eddy County. From Carlsbad, take US 285 North for approximately 12 miles and turn left on State Highway 137. Go 9 miles on SH-137 and turn right on County Road 401 (Marathon Road) and go 2 miles. Stay right and continue onto CR 404 and go approximately 2 miles. Facility is on the left (south) side of the road.

The purpose of the air quality permit application is to demonstrate compliance with air quality standards for hydrogen sulfide emissions and update permit conditions.

The estimated maximum quantities of any regulated air contaminant will be as listed below.

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	3.5 lb/hr	15.5 tpy
PM 10	2.6 lb/hr	12 tpy
PM 2.5	2.6 lb/hr	12 tpy
Sulfur Dioxide (SO 2)	7750 lb/hr	94 tpy
Nitrogen Oxides (NO x)	721 lb/hr	381 tpy
Carbon Monoxide (CO)	1744 lb/hr	204 tpy
Volatile Organic Compounds (VOC)	314 lb/hr	99 tpy
Hydrogen Sulfide (H2S)	83 lb/hr	1.0 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	6 lb/hr	23 tpy
Greenhouse Gas (as Total CO2e)	n/a	160,000 tpy

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

The owner and/or operator of the Plant is: Occidental Permian, Ltd., Attn: Aditya Singh, 5 Greenway Plaza, Suite 110; Houston, TX 77046-0521

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 ad-

Legal Notices 152

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

August 3, 10 and 17, 2016

NOTICE is hereby given that on July 22, 2016, Rio Tanks Fas-Line c/o Dale Vickrey, 4602 W Pierce St, Carlsbad, NM 88220, filed application No. CP-698 (T) with the STATE ENGINEER for a temporary permit to appropriate 100.0 acre-feet per annum (consumptive use) of the shallow waters of the Capitan Underground Water Basin by using existing well CP-698 located on land owned by Bureau of Land Management in the SE1/4NW1/4NW1/4 of section 3, Township 20 South, Range 29 East, N.M.P.M.

The requested new temporary appropriation is to be used for commercial purposes and livestock use on land owned by various entities located within Townships 19S through 20S, and Ranges 29E through 30E, N.M.P.M. This is a Temporary permit which will expire December 31, 2025.

The existing well is located approximately .5 miles west of Burton Fleets Rd and approximately 3.0 miles south of Curry Comb Rd and approximately 16 miles northeast of Carlsbad, NM in Eddy County, NM.

Any person, firm or corporation or other entity having standing to file objections or protests shall do so in writing (objection must be legible, signed, and include the writer's complete name, phone number and mailing address). The objection to the approval of the application must be based on: (1) Impairment; if impairment, you must specifically identify your water rights; and/or (2) Public Welfare/Conservation of Water; if public welfare or conservation of water within the state of New Mexico, you must show how you will be substantially and specifically affected. The written protest must be filed, in triplicate, with the State Engineer, 1900 West Second, Roswell, NM 88201, within ten (10) days after the date of the last publication of this Notice. Facsimiles (faxes) will be accepted as a valid protest as long as the hard copy is hand-delivered or mailed and postmarked within 24-hours of the facsimile. Mailing postmark will be used to validate the 24-hour period. Protests can be faxed to the Office of the State Engineer, 575-623-8559. If no valid protest or objection is filed, the State Engineer will evaluate the application in accordance with the provisions of Chapter 72 NMSA 1978.

Legal Notices 152
July 27, August 3 and 10, 2016

THE STATE OF NEW MEXICO COUNTY OF EDDY FIFTH JUDICIAL DISTRICT

OCWEN LOAN SERVICING, LLC,

Plaintiff,

vs.

MICHELLE L. LYNCHESKY; THE UNKNOWN SPOUSE OF MICHELLE L. LYNCHESKY; MICHAEL S. LYNCHESKY; THE UNKNOWN SPOUSE OF MICHAEL S. LYNCHESKY; OCCUPANTS OF THE PROPERTY,

Defendants.

No.: D-503-CV-2016-00498

NOTICE OF PENDENCY OF ACTION

STATE OF NEW MEXICO to Defendants, Michelle L. Lynchsky and The Unknown Spouse of Michelle L. Lynchsky:

You are hereby notified that the above-named Plaintiff Ocwen Loan Servicing, LLC has filed a civil action against you in the above-entitled Court and cause, the general object thereof being to foreclose a mortgage on real property located at 1407 W Sears Ave, Artesia, NM 88210. The real property which is the subject matter of this action is legally described as follows:

LOT 15, BLOCK 2 BARNETT ADDITION, TO THE CITY OF ARTESIA, EDDY COUNTY, NEW MEXICO, AS SHOWN ON THE OFFICIAL PLAT THEREOF ON FILE IN THE OFFICE OF THE COUNTY CLERK OF EDDY COUNTY, NEW MEXICO.

Unless you serve a pleading or motion in response to the Complaint in said cause on or before thirty (30) days after the last publication date, judgment by default will be entered against you.

MCCARTHY & HOLTHUS, LLP

/s/ Stephen Kowal
Karen Weaver
Stephen Kowal
6501 Eagle Rock NE, Suite A-3
Albuquerque, New Mexico 87113
Telephone No.: (505) 219-4900
Attorneys for Plaintiff

July 27, August 3 and 10, 2016

THE STATE OF NEW MEXICO COUNTY OF EDDY FIFTH JUDICIAL DISTRICT

WELLS FARGO BANK, N.A.,

Plaintiff,

vs.

JODY L. BARRICK; SHEILA M. BARRICK; OCCUPANTS OF THE PROPERTY,

Defendants.

No.: D-503-CV-2016-00394

NOTICE OF PENDENCY OF ACTION

STATE OF NEW MEXICO to Defendants, JODY L. BARRICK; SHEILA M. BARRICK; You are hereby notified that the above-named Plaintiff WELLS FARGO BANK, N.A. has filed a civil action against you in the above-entitled Court and cause, the general object thereof being to foreclose a mortgage on real property located at 2002 Tagwood, Carlsbad, NM 88220. The real property which is the subject matter of this action is legally described as follows:

Legal Notices 152

LOT 1 IN THE MESA VERDE UNIT ONE SUBDIVISION, CARLSBAD, EDDY COUNTY, NEW MEXICO, AS SHOWN ON THE OFFICIAL PLAT THEREOF ON FILE IN THE OFFICE OF THE COUNTY CLERK OF EDDY COUNTY, NEW MEXICO.

Unless you serve a pleading or motion in response to the Complaint in said cause on or before thirty (30) days after the last publication date, judgment by default will be entered against you.

MCCARTHY & HOLTHUS, LLP

/s/ Carrie Cook
Karen Weaver
Carrie Cook
6501 Eagle Rock NE, Suite A-3
Albuquerque, New Mexico 87113
Telephone No.: (505) 219-4900
Attorneys for Plaintiff

July 20, 27, August 3 and 10, 2016

STATE OF NEW MEXICO COUNTY OF EDDY FIFTH JUDICIAL DISTRICT

NO. D-503-CV-2015-00890

PENNYMAC LOAN SERVICES, LLC,

Plaintiff,

vs.

LEE R. JUAREZ, AND THE UNKNOWN SPOUSE OF LEE R. JUAREZ,

Defendants.

NOTICE OF SALE

NOTICE IS HEREBY GIVEN that the undersigned Special Master will on August 16, 2016 at 11:00 am, outside the front entrance of the Eddy County Courthouse, 102 North Canal, Carlsbad, NM, sell and convey to the highest bidder for cash all the right, title, and interest of the above-named defendants in and to the following described real estate located in said County and State:

BEGINNING 10 FEET EAST OF THE NORTHWEST CORNER OF LOT 14 IN BLOCK 2 OF THE WALLER SUBDIVISION NO.2, OF PART OF THE E/2 NE/4 OF SECTION 13, TOWNSHIP 17 SOUTH, RANGE 25 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO; THENCE EAST 60 FEET; THENCE SOUTH 120 FEET; THENCE WEST 60 FEET; THENCE NORTH 120 FEET TO THE POINT OF BEGINNING.

The address of the real property is 2713W. Menefee Ave, Artesia, NM 88210. Plaintiff does not represent or warrant that the stated street address is the street address of the described property; if the street address does not match the legal description, then the property being sold herein is the property more particularly described above, not the property located at the street address; any prospective purchaser at the sale is given notice that it should verify the location and address of the property being sold. Said sale will be made pursuant to the judgment entered on April 15, 2016 in the above entitled and numbered cause, which was a suit to foreclose a mortgage held by the above Plaintiff and wherein Plaintiff was adjudged to have a lien against the above-described real estate in the sum of \$90,025.71 plus interest from November 1, 2015 to the date of sale at the rate of 5.250% per annum, the costs of sale, including the Special Master's fee, publication costs, and Plaintiff's costs expended for taxes, insurance, and keeping the prop-

Legal Notices 152

erty in good repair. Plaintiff has the right to bid at such sale and submit its bid verbally or in writing. The Plaintiff may apply all or any part of its judgment to the purchase price in lieu of cash.

At the date and time stated above, the Special Master may postpone the sale to such later date and time as the Special Master may specify.

NOTICE IS FURTHER GIVEN that this sale may be subject to a bankruptcy filing, a pay off, a reinstatement or any other condition that would cause the cancellation of this sale. Further, if any of these conditions exist, at the time of sale, this sale will be null and void, the successful bidder's funds shall be returned, and the Special Master and the mortgagee giving this notice shall not be liable to the successful bidder for any damages.

NOTICE IS FURTHER GIVEN

that the real property and improvements concerned with herein will be sold subject to any and all patent reservations, easements, all recorded and unrecorded liens not foreclosed herein, and all recorded and unrecorded special assessments and taxes that may be due. Plaintiff and its attorneys disclaim all responsibility for, and the purchaser at the sale takes the property subject to, the valuation of the property by the County Assessor as real or personal property, affixture of any mobile or manufactured home to the land, deactivation of title to a mobile or manufactured home on the property, if any, environmental contamination on the property, if any, and zoning violations concerning the property, if any.

At the date and time stated above, the Special Master may postpone the sale to such later date and time as the Special Master may specify.

NOTICE IS FURTHER GIVEN that this sale may be subject to a bankruptcy filing, a pay off, a reinstatement or any other condition that would cause the cancellation of this sale. Further, if any of these conditions exist, at the time of sale, this sale will be null and void, the successful bidder's funds shall be returned, and the Special Master and the mortgagee giving this notice shall not be liable to the successful bidder for any damages.

Margaret Lake Special Master
Pro Legal Services, LLC
201 Eubank Blvd. NE, Suite A1
Albuquerque, NM 87123
(505)715-3711

July 20, 27, August 3 and 10, 2016

STATE OF NEW MEXICO COUNTY OF EDDY FIFTH JUDICIAL DISTRICT

NO. D-503-CV-2015-00977

MGC MORTGAGE, INC.,

Plaintiff,

vs.

LOUIS D. REYES, CARMEN M. REYES, NEW MEXICO MORTGAGE FINANCE AUTHORITY, AND THE UNITED STATES OF AMERICA BY AND THROUGH THE SECRETARY OF HOUSING AND URBAN DEVELOPMENT,

Defendants.

NOTICE OF SALE

NOTICE IS HEREBY GIVEN that the undersigned Special Master will on August 16, 2016 at 11:00 am, outside the front entrance of the Eddy County Courthouse, 102 North Canal, Carlsbad, NM, sell and convey to the highest bidder for cash all the right, title, and interest of the above-named defendants in and to the following described real estate located in said County and State:

Lot 11 in Block 6 of the WEST ACRES SUBDIVISION NO. 2, to the City of Artesia, Eddy County, New Mexico, as the same appears on the official, filed plat thereof on file in the

Legal Notices 152

Office of the County Clerk of Eddy County, New Mexico.

The address of the real property is 2109 Mann, Artesia, NM 88210. Plaintiff does not represent or warrant that the stated street address is the street address of the described property; if the street address does not match the legal description, then the property being sold herein is the property more particularly described above, not the property located at the street address; any prospective purchaser at the sale is given notice that it should verify the location and address of the property being sold. Said sale will be made pursuant to the judgment entered on February 2, 2016 in the above entitled and numbered cause, which was a suit to foreclose a mortgage held by the above Plaintiff and wherein Plaintiff was adjudged to have a lien against the above-described real estate in the sum of \$57,296.90 plus interest from December 1, 2015 to the date of sale at the rate of 4.000% per annum, the costs of sale, including the Special Master's fee, publication costs, and Plaintiff's costs expended for taxes, insurance, and keeping the property in good repair. Plaintiff has the right to bid at such sale and submit its bid verbally or in writing. The Plaintiff may apply all or any part of its judgment to the purchase price in lieu of cash.

At the date and time stated above, the Special Master may postpone the sale to such later date and time as the Special Master may specify.

NOTICE IS FURTHER GIVEN that this sale may be subject to a bankruptcy filing, a pay off, a reinstatement or any other condition that would cause the cancellation of this sale. Further, if any of these conditions exist, at the time of sale, this sale will be null and void, the successful bidder's funds shall be returned, and the Special Master and the mortgagee giving this notice shall not be liable to the successful bidder for any damages.

NOTICE IS FURTHER GIVEN

that the real property and improvements concerned with herein will be sold subject to any and all patent reservations, easements, all recorded and unrecorded liens not foreclosed herein, and all recorded and unrecorded special assessments and taxes that may be due. Plaintiff and its attorneys disclaim all responsibility for, and the purchaser at the sale takes the property subject to, the valuation of the property by the County Assessor as real or personal property, affixture of any mobile or manufactured home to the land, deactivation of title to a mobile or manufactured home on the property, if any, environmental contamination on the property, if any, and zoning violations concerning the property, if any.

Margaret Lake Special Master
Pro Legal Services, LLC
201 Eubank Blvd. NE, Suite A1
Albuquerque, NM 87123
(505)715-3711

Our employment specialists take the hard work out of finding the right employees. Call 887-5501 Today

jobs 200-232

Drivers 220

Three Rivers Trucking
CDL Drivers Wanted
Class A CDL with a Tanker Endorsement Required. Must be able to Pass a Drug Test. Become Part of Our Team.
(575)628-0040

General Help Wanted 230

Immediate openings for CDL Drivers In Pecos, Tx w/ Tanker Endorsements Good Pay. Good Driving and 2 yrs Experience Needed. 575-799-9239

Trade/Industrial 257

SEEKING ADDITIONAL EMPLOYEE OWNERS!
Now hiring Journeyman and Apprentice Linemen. Competitive salary, 401(k), Health Insurance, Employee Ownership and many other great benefits. Class A CDL with Airbrakes, clean driving record and drug tests are required.
Apply in person at Deans, Inc. 409 Commerce Rd., Industrial Park, Artesia or online at www.deansinc.com.

rentals 300-383

PUBLISHER'S NOTICE

All real estate advertised herein is subject to the Federal Fair Housing Act, which makes it illegal to advertise any preference, limitation, or discrimination because of race, color, religion, sex, handicap, familial status, or national origin, or intention to make any such preference, limitation, or discrimination. We will not knowingly accept any advertising for real estate which is in violation of the law. All persons are hereby informed that all dwellings advertised are available on an equal opportunity basis.

EQUAL HOUSING OPPORTUNITY

Townhouses/Condominiums 342

2 Bed/2 Bath Condo All Adult (40+) Association. 575-361-8462

Need to move?

Find your next apartment in the

Carlsbad Current Argus

Delivering the largest audience on any platform.

CARLSBAD CURRENT-ARGUS

Education 222

Loving Municipal Schools Head Start Program

is accepting applications for:

Program Coordinator
\$17.61 per hour
7 hours/Day, 5 days/week, 235 days/year

Teacher
\$15.30 - 36.11 per hour (DOQ)
7 hours/Day, 5 days/week, 165 days/year

Instructional Assistant
\$10.30 - 13.04 per hour (DOQ)
7 hours/Day, 5 days/week, 165 days/year

For Best Consideration Please Submit Your Application by August 15, 2016
Position will remain open until filled

Apply at 1915 San Jose Blvd., Carlsbad NM 88220 or email to daylorhr@snmccac.com. Go to http://www.lovingmunicipalschools.com/Human_Resources to print out application packet.

LMS is an EEOE

homes 400-502

PUBLISHER'S NOTICE

All real estate advertised herein is subject to the Federal Fair Housing Act, which makes it illegal to advertise any preference, limitation, or discrimination because of race, color, religion, sex, handicap, familial status, or national origin, or intention to make any such preference, limitation, or discrimination. We will not knowingly accept any advertising for real estate which is in violation of the law. All persons are hereby informed that all dwellings advertised are available on an equal opportunity basis.

EQUAL HOUSING OPPORTUNITY

Land/Acreage 442

A River Runs Through It! 40 Acres Black River Property! New Gravel Road and Scenic Overlook! \$239,000. Call 575-308-1652

goods & services 600-688 & 2550-4137

Hot off the Press 603

Nice single bed, complete with pillow top mattress, \$150. 575-200-6783

ARE YOU EXPECTING NEW RESULTS WITH THE SAME OLD STRATEGIES?

Our marketing consultants have nearly 50 cost-effective, innovative marketing solutions that work.



2 Bed/2 Bath Condo All Adult (40+) Association. 575-361-8462

Delivering the largest audience on any platform.

CARLSBAD CURRENT-ARGUS

Education 222

Section 9.10

Newspaper Display Advertisement

Newspaper Display Advertisement can be found on the next page.

Little Argus: Aug. 10

The Carlsbad Current-Argus offers the Little Argus as a complimentary service to non-profits and community organizations for the purpose of running public service announcements and/or publicizing community activities. Little Argus submissions may be sent to news@currentargus.com at least 24 hours in advance of the first day the announcement is desired to run. Submissions should be kept to 50 words or less and include crucial information such as time, date, location and contact information. Because this is a free service and space is limited, submissions will be printed on a rotation, meaning announcements are not guaranteed to run every day. Announcements with no clear end date will be removed at staff's discretion. Please call 575-887-5501 for more information.

Today

Support group: There will be an Alzheimers and related dementia support group at 2 p.m. Aug. 10 at the Landsun Parkhouse Clubhouse, 1211 Landsun Cir. The topic will be "Dementia: Understanding the emotions of a loved one." Call 575-361-2203 for more information.

Gordita sale: There will be a gordita sale from 10 a.m.-1:30 p.m. Aug. 10 at 2322 Iris St. in Carlsbad. The cost is \$8 for 3 gorditas, rice, beans and salad. Call 575-628-0309 or 575-706-9898 to order.

Public Safety Prayer Service: The Carlsbad community is invited to a public safety prayer service at 6 p.m. Aug. 10 at P.R. Leyva Auditorium. Please join the community in offering prayer and support to our public safety personnel.

Thursday

Water park hours: The Carlsbad Water Park will operate on a modified summer schedule from the first day of school through the end of September. During this time, we will be open from 11 a.m.-6 p.m. Saturdays and Sundays, as well as on Labor Day (Sept. 5), but we will be closed on all other weekdays. Our last regular weekday open will be Aug. 11 and our last day open for 2016 will be Sept. 25. Please call 575-887-0349 with questions.

Block party: Loving Municipal Schools will hold its 2016-2017 Opening Ceremonies (Block Party) at 6 p.m. Aug. 11 at the LHS football field. All students, parents and the community are invited to participate in this event. There will be free hot dogs and hamburgers for those attending.

Party meeting: The Democratic Party of Eddy County will hold its monthly meeting at 6 p.m. Aug. 11 with guest speaker Ruben Castro, candidate for county sheriff, at the IBEW Union Hall, 608 N. Main in Carlsbad.

Workshops: A Legislative Capital Outlay workshop, presented by the Southeastern New Mexico Economic Development District/Council of Governments (Development District), will be from 9 a.m.-noon at Chaves County Comm. Chambers.

Announcements

CARC pecans: Pecos Valley Pecans, a division of CARC, INC., located at 902 W. Cherry Lane in Carlsbad is open to the public 8:30 a.m.-3:30 p.m. Mon.-Fri. Please call 575-887-2585 to place a wholesale order.

Packs for Hunger: Epsilon Sigma Alpha's Packs for Hunger is collecting new and gently used backpacks for their food program. For drop off locations, please call 575-361-2834 or 575-706-6107.

Meeting: Carlsbad athletics will hold its all-season parents meeting at 7 p.m. Aug. 17 at P.R. Leyva Middle School. All head coaches are required to attend this meeting to provide support to any parents who have questions at the end of the meeting. For more information, contact the CHS athletic office at 575-234-3325.

BINGO for Life: The Pregnancy Help Center of Artesia will host the first annual BINGO for Life on Aug. 13 at the Eddy County Fairgrounds in Artesia. The first session will be at 1 p.m. and second session at 4 p.m. Doors open 1 hour before each session. A \$2,000 payout will be given each session. \$15 & \$30 cards. Call 575-513-1826 for more information.

Financial workshop: Washington Federal Bank and The Eddy County Extension office will hold a free 3-day Financial Education workshop at 6 p.m. Aug. 15-17 at the Eddy County Extension Office in Carlsbad. Topics to be covered include but are not limited to banking, budgeting, tracking your spending and account management. Participants are encouraged to attend all three sessions and must RSVP at 575-887-6595.

Golf Tournament: There will be a 4-person scramble on Aug. 13 at Riverside Country Club to benefit the Boys and Girls Club of Carlsbad. There will be an 8 a.m. shotgun start. Lunch provided by Albertsons and prizes will be raffled. The entry fee is \$400 per team. Call the RCC Pro Shop at 575-885-4253 or Jeff Campbell at 575-887-6562 for more information and to sign up. The longest drive is sponsored by Carlsbad Radio. Mulligans available.

Free items: There will be a free garage "sale" from 8 a.m.-noon Aug. 13 at Cavern Baptist Church, 108 Russell St. Household items, clothes (lots of kids clothes), and much more will be available.

Pancake breakfast: The Knights of Columbus will host their monthly "All You Can Eat" Pancake Breakfast from 8 a.m.-1 p.m. Aug. 14 at 606 W. Shaw St. in Carlsbad. Adults are \$5 and children are \$3.50. Please join us!

Men's breakfast: The San Jose Catholic Church men's breakfast will be at 8:30 a.m. Aug. 20 in the San Jose Parish Hall. Come and enjoy fellowship, scripture and testimonies with other Christian men.

Hydrogen fuel: There will be a free hydrogen fuel class at 7 p.m. Aug. 12 at the Eddy County Extension Office, 1304 W. Stevens. Call 575-361-3083 for more information or visit www.pecostwister.com.

Rifle match: The Carlsbad Sportsman's Club will hold a 22 rifle match on Aug. 13. Half-scale (light) animals will be used. The range will open at 7:30 a.m. for sight-in and practice and the match will begin at 9 a.m. Entry fee is \$5. For more information, call Dwayne Smith at 575-885-8256.

Report graffiti: The Carlsbad Community Anti-Drug/Gang Coalition and Keep Carlsbad Beautiful invite you to report graffiti to the City of Carlsbad for free removal with owner permission. Call 575-887-1200 or dial 311 from a landline. You may remain anonymous.

Host families needed:

International Exchange Students need Host Families ASAP in Carlsbad and surrounding areas. If interested, email inquiries to IES area representative kajiki@cybergal.com or call 480-343-7418 by Sept. 15.

Dog houses: Do you need a dog house? CPAWS has small and medium doghouses for those who qualify. Must be picked up. Call Vickie at 575-885-5406.

Soccer registration: US Youth Soccer will hold fall registration from 6-8 p.m. Aug. 18-19 and noon-4 p.m. Aug. 20 at the Carlsbad Mall. Must be born before Dec. 31, 2013. A state-issued birth certificate is required for all new players. The cost is \$65 with uniform, \$45 without uniform. No late registration allowed. Coaches are also needed.

Football sign-up: The Little Cavemen Youth Football League will be hosting sign-ups for the 2016 season from 6-8 p.m. Aug. 15-19 at the Carlsbad Mall. Boys and girls in 4th-6th grades are eligible to play as long as they are 9-12 years old on Aug. 31. Registration fee is \$90/player. Players must be present at the time of registration for weigh-in. Please bring player's birth certificate. If you have any questions, please contact Jarod Florez at 575-302-3312.

Baseball tryouts: The Albuquerque Baseball Academy will host Arizona Fall Classic tryouts for those graduating from high school in 2017-2020 at UNM's Santa Ana Star Field on Aug. 13-14. The Arizona Fall Classic takes place in Peoria, Ariz. For more information, contact Ryan Brewer at 505-856-2255 or ryanbrewer32@gmail.com.

Democratic Party: The Democratic Party of Eddy County will host a Meet & Greet with Maggie Toulouse Oliver, candidate for NM Secretary of State, at 6 p.m. Aug. 15 at the IBEW Union Hall, 608 N. Main in Carlsbad.

Flag football: NFL flag football sign up will be the first four Saturdays in August (6, 13, 20, and 27) at the Boys and Girls Club, 1602 W. Fox from 9 a.m.-noon. The cost is \$75 per player, open to boys and girls ages 5-14.

Art class: The Carlsbad Area Art Association announces "Innovative Watermedia Collage," a workshop with instructor Helen Gwinn. The focus of the workshop will be on trusting the creative intuition while manipulating paints and papers. Dates are Sept. 28-30. Registration is at the Artist Gallery, 120 S. Canyon. Call 575-887-1210 for more information.

Ballot boxes: The Eddy County Bureau of Elections would like to inform the public that the ballot boxes from the June 7, 2016 primary election will be opened at 9 a.m. Aug. 12 at 326 S. Canyon St. in Carlsbad. Call 575-885-3383 for more information.

Officials needed: A NMAA district volleyball clinic for officials and coaches will be Aug. 20. Registration will be at 8:30 a.m. and class will start at 9 a.m. followed by scrimmages at 10 a.m. at Carlsbad High School. If you are interested in becoming a volleyball official at any level, contact Fernando Santana at 575-745-2181, Bill Bunten at 575-361-0854 or Rhiny Williams in Artesia at 575-748-6487.

Bus registration: All stu-

dents who ride a school bus to and from school in the Carlsbad School District must have a registration form filled out and returned to their bus driver by Aug. 26. Bus drivers will distribute transportation handbooks and registration forms to students they transport on Aug. 11. If the driver has not received the form by Aug. 29, riding privileges will be denied until the form is returned.

Sixth grade bus information: P.R. Leyva Campus will be used as a trans-load hub for the 6th Grade Academy at A.V. Campus. If a 6th grade student lives within 1 mile of P.R. Leyva, they will walk to P.R. Leyva and then catch a bus to the A.V. Campus. If a 6th grade student lives within 1 mile of the A.V. campus, they are not eligible for busing and will walk to school. Sixth grade students who live over 1 mile from either campus are eligible for busing and will be directed to the nearest bus stop for pick-up and drop off. For addition transportation information contact Valley Transportation at 575-885-4884 between 9 a.m.-noon Mon.-Fri.

Celebrate sobriety: Celebrate sobriety every Friday from 5-6 p.m. at Pilgrim Rest Baptist Church Annex. For more information, call 623-433-6645.

Stockman's Association: Due to a number of stock related issues a number of Eddy County, stock producers would like to reorganize the Eddy County Stockman's Association. A reorganization meeting is going to be held Aug. 18 at 7 p.m. in the meeting room of the Eddy County Extension Office, 1304 West Stevens Carlsbad. If there is an interest we will move forward with this effort.

Choir event: On Aug. 12, the Levite choir from Korea will perform at Blodgett Street Baptist Church, 1500 W. Blodgett. Concert begins at 7 p.m., nursery provided. Free admission.

Drug disposal: Dispose of unwanted medications (pills, tablets) anonymously at the drop box in the entrance to Carlsbad Police Department, 602 W. Mermod. Liquids, ointments, needles and inhalers are not accepted but can be disposed of at a drug take-back event in spring or fall. Sponsored by Carlsbad Community Anti-Drug/Gang Coalition and City of Carlsbad.

Farmers' Market: Carlsbad Downtown Farmers' Market is from 8-11 a.m. every Saturday on the courthouse lawn. Come buy fresh produce and handmade crafts.

Kindergarten registration: ECEC is holding Kindergarten registration from 8 a.m.-2 p.m. Mon.-Thurs. Bring immunization records, birth certificate, proof of residency and (optional) social security card.

Donations needed: CPAWS, an animal advocacy 501(c)(3) is looking for donations in order to continue our free dog and cat food giveaway and our dog house project. CPAWS qualifies low income families to receive free dog and cat food to help them keep their pets. All animals must be spayed or neutered within 3 months in order to continue to receive food. Please contact Suzanne Hathon at 575-302-2341. Donations can be made at Carls-

bad National Bank, acct. #66141. Call us to receive a tax deductible form as donations are tax deductible. Thank you for CPAWS.

CASA: Eddy County CASA (Court Appointed Special Advocates) is seeking caring, committed citizens to become advocates for abused or neglected children living in foster care. Three to four hours per week are required. Must be 21 years old, have a high school diploma or GED and pass a criminal background check. Training is scheduled to begin in the fall. For more information, call 575-887-5966, email casaeddyco@windstream.net, visit www.eddycountycasa.org or 118 W. Mermod St.

LULAC royalty: LULAC Council 2016 is taking applications for the Sept. 16 Queen and Princess. Girls in grade 6-8 are eligible for Princess and 9-12 for Queen. Call Benny at 575-706-9398 or Jessica at 575-706-8311 for more information.

Computer help: The San Jose Center is offering free computer help for individuals 40 years and older. One-on-one computer lessons are based on what you need to learn and the time that you need. Minor computer repair is also available. For more information, call the center at 575-885-1402.

Registration: NMSU Carlsbad's Adult Education program is currently holding fall registration from 8 a.m.-2 p.m. Mon.-Thurs. until August 22. Classes begin August 22. For more information, contact the Adult Education office at 575-234-9250, 575-234-9252 or 575-234-9254.

Support group: Parents Reaching Out will have free support group sessions to assist in finding resources and services available for children struggling in school. The sessions will be from 6-8 p.m. Aug. 15 and 11 a.m.-1 p.m. Aug. 16 at the Riverwalk Recreation Complex. To register and for more information call 505-247-0192.

Family Cancer Retreat:

Cancer Services of New Mexico's Family Cancer Retreat will be Sept. 9-11 at the Marriott Albuquerque Pyramid North Hotel. This free program provides NM's adult cancer patients/survivors and their loved ones with tools and information they need to manage the treatment and survival process. Sessions on treatment options, navigating the health care system, palliative care, meditation, family communications, nutrition, using the internet effectively and a variety of other topics will be offered. To receive an application packet, go to www.cancerservicesnm.org or call Mike at 505-239-4239.

Volunteers needed: Encompass Hospice is looking for volunteers to sit with patients, provide family support, preform light office duties, etc. Training is provided. If interested, please contact volunteer coordinator Andy Harris at 575-887-6050.

Baseball tournament: The Xtreme Diamond Labor Day Blast Baseball Tournament will be Sept. 3-4 at Bob Forrest Youth Sports Complex. The registration deadline is Aug. 26. For more information, contact John Medrano at 575-448-1864.

Grief support group: Caring Connections meets the first Monday of each month at new Song Christian Fellowship, 1105 Pate St. Potluck at 6 p.m. followed by presentations and open discussion. Join regardless of faith. For more information, call 575-706-3718 or 915-253-1574.

Carlsbad Homecoming: The Carlsbad homecoming parade will be Sept. 9. The annual powderpuff game will be at 6:30 p.m. Sept. 7. The annual Staff vs. Student Pig Pink game will be at 6:30 p.m. Sept. 8. For float and powderpuff registration forms, go to carlsbadnm schools.com or email danelle.morrill@carlsbad.k12.nm.us. To donate to the pig pink game, email Danelle Morrill.

Pet of the day: Sebastian

Meet the Current-Argus pet of the day, Sebastian. Sebastian is large Domestic long-hair kitten. His animal ID is 31385916. Sebastian, like many other shelter cats, is waiting for a permanent home at Noah's Ark Animal Shelter.

The shelter is open from noon to 5:30 p.m. Monday through Friday and 11 a.m. to 4 p.m. Saturday. For information, call 575-885-5769 or e-mail angela@cary.tc. More pets can be seen online at noahsarkshelter.org.



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(310) 987-2082

OXY USA WTP, Limited Partnership announces its intent to apply to the New Mexico Environment Department for an air quality permit revision for a natural gas processing plant. The expected date of the application submittal to the Air Quality Bureau is August 12, 2016. This notice is a requirement according to New Mexico air quality regulations.

The exact location for the facility known as the Indian Basin Gas Plant is at latitude 32 deg., 27 min., 50.03 sec. and longitude -104 deg, 34 min., 26.82 sec. The approximate location of this facility is 14.5 miles west of Carlsbad, NM in Eddy County. From Carlsbad, take US 285 North for approximately 12 miles and turn left on State Highway 137. Go 9 miles on SH-137 and turn right on County Road 401 (Marathon Road) and go 2 miles. Stay right and continue onto CR 404 and go approximately 2 miles. Facility is on the left (south) side of the road.

The purpose of the air quality permit application is to demonstrate compliance with air quality standards for hydrogen sulfide emissions and update permit conditions.

The estimated maximum quantities of any regulated air contaminant will be as listed below.

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	3.5	15.5
PM10	2.6	12
PM2.5	2.6	12
Sulfur Dioxide (SO2)	7750	94
Nitrogen Oxides (NOx)	721	381
Carbon Monoxide (CO)	1744	204
Volatile Organic Compounds (VOC)	314	99
Hydrogen Sulfide (H2S)	83	1.0
Total sum of all Hazardous Air Pollutants (HAPs)	6	23
Greenhouse Gas (as Total CO2e)	n/a	160,000

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

The owner and/or operator of the Plant is: Occidental Permian, Ltd.; Attn: Aditya Singh; 5 Greenway Plaza, Suite 110; Houston, TX 77046-0521

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

Kindermusik Demo Days

A fine worldwide Kindermusik class demonstration

Trusted by parents all over the world, Kindermusik classes provide the very best in early childhood music and movement experiences. Learn how music and movement can nurture your young child's developing mind and body!

99% of Kindermusik parents would recommend the program to other parents.

Come to a **Free Kindermusik demonstration class!** songs, movement activities, stories, and more for children ages 0-7

Free Demo Classes for FamilyTime (newborn to 7 & parents)
Monday - August 15 - 10:30 am
Wednesday August 17 - 10:00 am

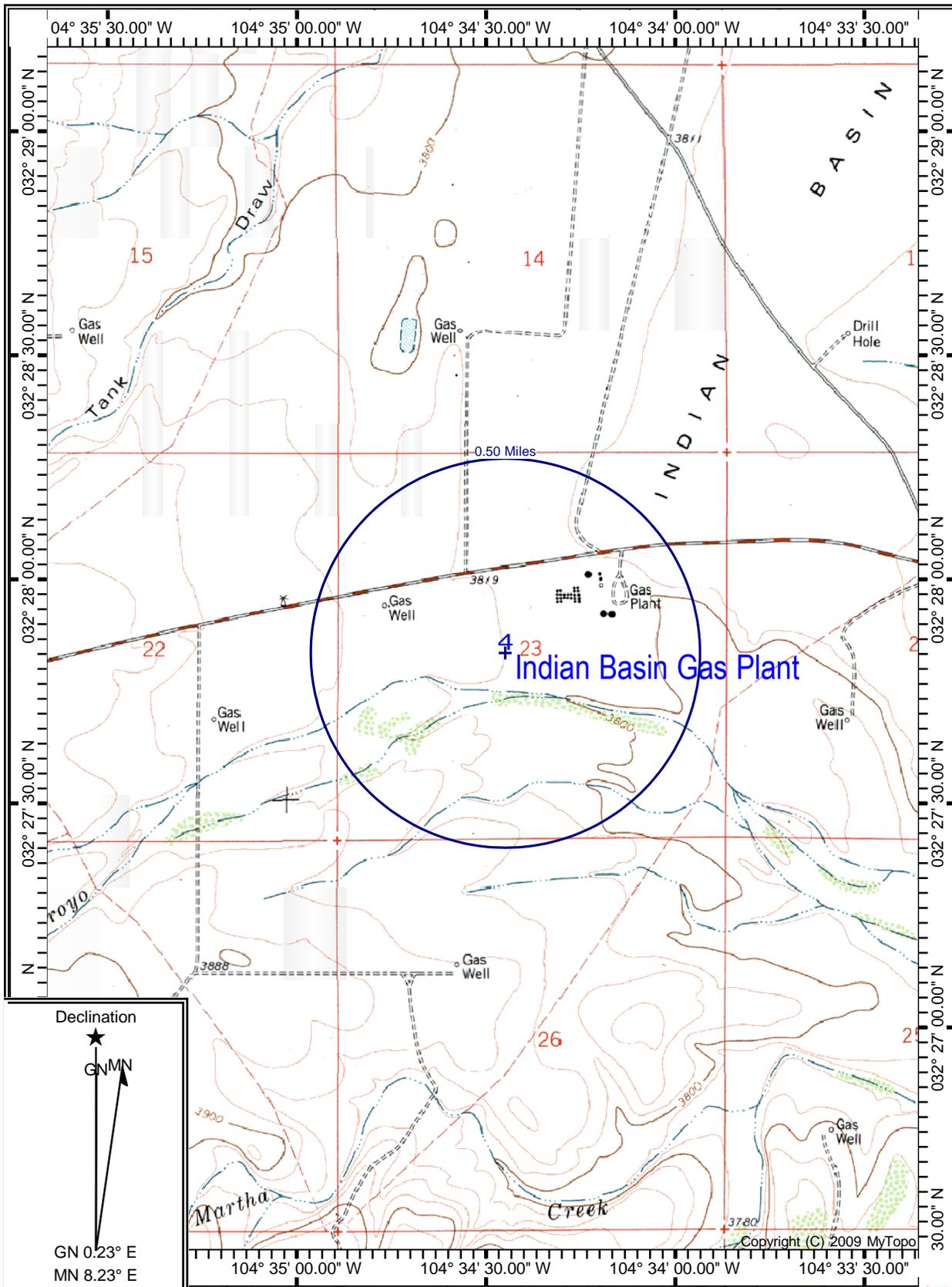
Call Martha Clark - 885-3929 for Demo class reservation and more information.
www.kindermusik.com

Enroll Now! Kindermusik For a Child's Brain, Body, Heart & Soul.

Section 9.11

Facility Boundary Map

Facility Boundary Map found on the next page



Map Name: MARTHA CREEK
 Print Date: 08/10/16

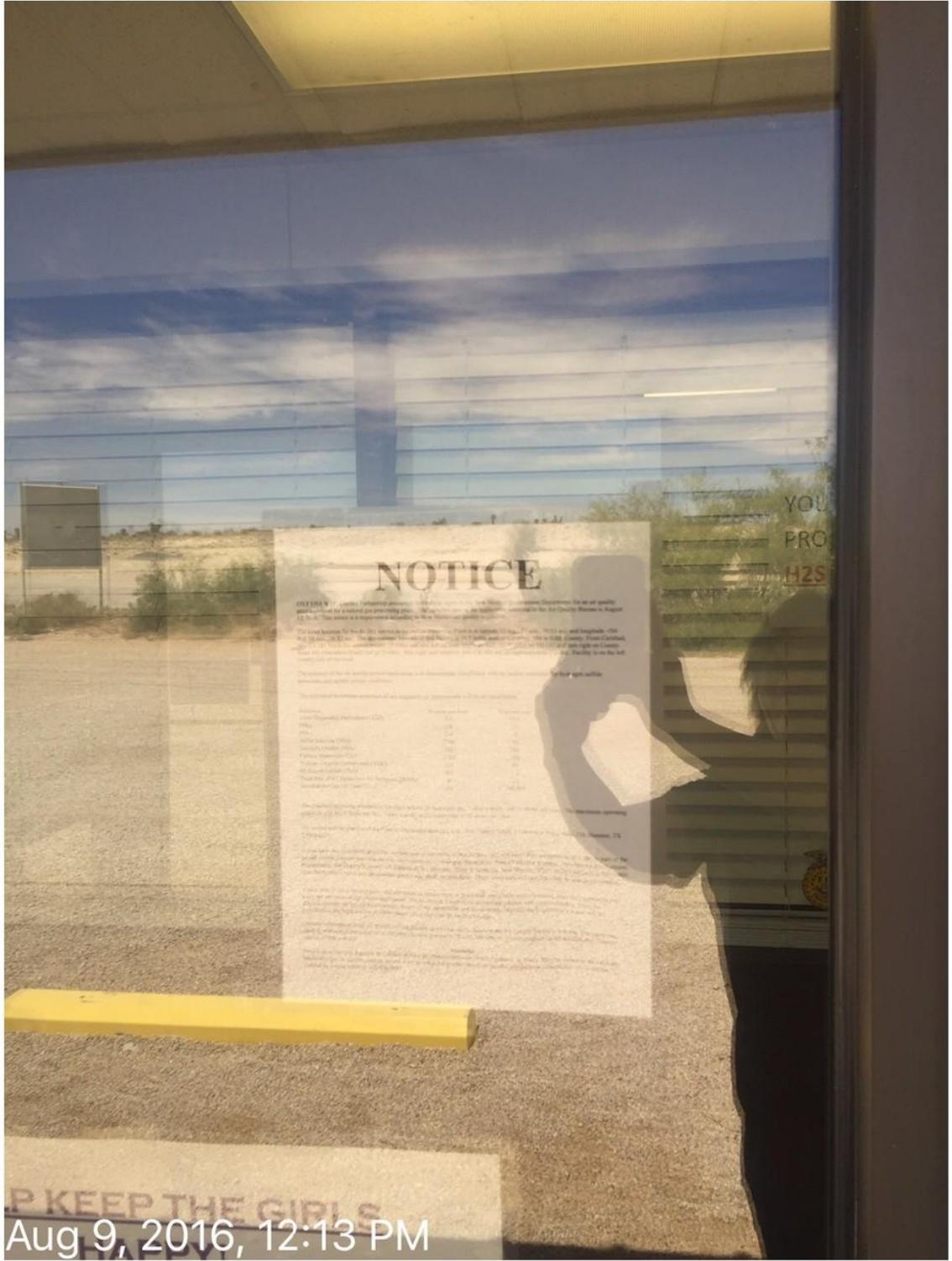
Scale: 1 inch = 2,000 ft.
 Map Center: 032° 27' 50.80" N 1

Horizontal Datum: WGS84

Section 9.12

Facility Posting Photo

The proof of facility posting is below. The posting was placed at the facility entrance with the word “Notice” visible from the public access point. The image file is included in the submittal files and contains data showing the time, date, and location of the photo. This data can be found by right clicking the image file, selecting “Properties”, and looking under the “Details” tab. The image data matches the time and location shown in the photo.



NOTICE

NOTICE

THE BOARD OF COUNTY COMMISSIONERS OF PIMA COUNTY, ARIZONA, HAS ADOPTED THE FOLLOWING RESOLUTION:

RESOLUTION NO. 2016-001

WHEREAS, the Board of County Commissioners of Pima County, Arizona, has the honor to receive the following letter from the Pima County Board of Supervisors:

Dear Mr. [Name]:

I am writing to you regarding the proposed changes to the Pima County Board of Supervisors. The Board of Supervisors has proposed to change the number of members from 10 to 12, and to change the terms of office from 4 years to 2 years. I am sure you are aware of the current structure of the Board of Supervisors and the challenges it faces. The proposed changes are intended to improve the efficiency and effectiveness of the Board of Supervisors and to ensure that it is able to meet the needs of the county in the future.

I am sure you will find these changes to be a positive step towards improving the governance of Pima County. I am sure you will find these changes to be a positive step towards improving the governance of Pima County.

Sincerely,

[Name]

Aug 9, 2016, 12:13 PM

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 Indian Basin Gas Plant receives produced natural gas, condensate, and water from oil field production facilities. The condensate and water are separated and the water is pumped to a disposal well. The condensate is stabilized in a steam-reboiler stabilizer and the stabilizer overhead vapors are compressed and returned to the plant inlet. After stabilization, the condensate and any additional separated water are stored in atmospheric tanks. The condensate is then put into tank trucks for sale and the water is piped to the disposal well. The condensate tanks are connected to a vapor recovery system.

The field gas enters the plant where it is then sweetened in an amine-sweetening system. The H₂S and CO₂ removed from the rich amine solution flows to a disposal well for injection after compression.

The sweetened gas from the amine system flows to the glycol dehydration system to remove water. Additional dehydration may be accomplished using a four-bed molecular sieve system. A direct-fired regeneration gas heater regenerates the molecular sieve beds. The dry gas is then passed to a cryogenic unit for liquid recovery. Heat exchangers and two expander-compressors are used to obtain low temperatures that condense natural gas liquids. The residue gas is then compressed into a transmission line for sale. Natural gas liquids can be piped off-site or may be loaded out to truck through the proposed natural gas liquid load out point.

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): See Table 2-A in Section 2 of this application.

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. There are no project emissions associated with this application. Oxy is submitting this application to fulfill a permit condition and an increase in emissions is not requested.
- a. NOx: 0 TPY
 - b. CO: 0 TPY
 - c. VOC: 0 TPY
 - d. SOx: 0 TPY
 - e. TSP (PM): 0 TPY
 - f. PM10: 0 TPY
 - g. PM2.5: 0 TPY
 - h. Fluorides: 0 TPY
 - i. Lead: 0 TPY
 - j. Sulfur compounds (listed in Table 2): 0 TPY
 - k. GHG: 0 TPY
- C. Netting is not required as there is no project.
- D. BACT is not required as there is no project.
- E. If this is an existing PSD major source, or any facility with emissions greater than 250 TPY (or 100 TPY for 20.2.74.501 Table 1 – PSD Source Categories), determine whether any permit modifications are related, or could be considered a single project with this action, and provide an explanation for your determination whether a PSD modification is triggered.

There are no project emissions associated with this application. Oxy is submitting this application to fulfill a permit condition and an increase in emissions is not requested.

Section 13

Discussion Demonstrating Compliance with Each Applicable State & Federal Regulation

Provide a discussion demonstrating compliance with applicable state & federal regulation. If there is a state or federal regulation (other than those listed here) for your facility’s source category that does not apply to your facility, but seems on the surface that it should apply, add the regulation to the appropriate table below and provide the analysis. Examples of regulatory requirements that may or may not apply to your facility include 40 CFR 60 Subpart OOO (crushers), 40 CFR 63 Subpart HHH (HAPs), or 20.2.74 NMAC (PSD major sources). We don’t want a discussion of every non-applicable regulation, but if there is questionable applicability, explain why it does not apply. All input cells should be filled in, even if the response is ‘No’ or ‘N/A’.

In the “Justification” column, identify the criteria that are critical to the applicability determination, numbering each. For each unit listed in the “Applies to Unit No(s)” column, after each listed unit, include the number(s) of the criteria that made the regulation applicable. For example, TK-1 & TK-2 would be listed as: TK-1 (1, 3, 4), TK-2 (1, 2, 4). Doing so will provide the applicability criteria for each unit, while also minimizing the length of these tables.

As this table will become part of the SOB, please do not change the any formatting in the table, especially the width of the table.

If this application includes any proposed exemptions from otherwise applicable requirements, provide a narrative explanation of these proposed exemptions. These exemptions are from specific applicable requirements, which are spelled out in the requirements themselves, not exemptions from 20.2.70 NMAC or 20.2.72 NMAC.

Table for Applicable STATE REGULATIONS:

<u>STATE REGU- LATIONS CITATION</u>	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforce- able	Does Not Apply	JUSTIFICATION: Identify the applicability criteria, numbering each (i.e. 1. Post 7/23/84, 2. 75 m ³ , 3. VOL)
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	X	N/A	Yes	N/A	20.2.3 NMAC is a SIP approved regulation that limits the maximum allowable concentration of Total Suspended Particulates, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. The facility meets maximum allowable concentrations of the TSP, SO ₂ , H ₂ S, NO _x , and CO under this regulation.
20.2.7 NMAC	Excess Emissions	X	N/A	Yes	N/A	All Title V major sources are subject to Air Quality Control Regulations, as defined in 20.2.7 NMAC, and are thus subject to the requirements of this regulation.
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	X	N/A	Yes	N/A	The objective of this Part is to establish nitrogen dioxide emission standards for gas burning equipment. This facility does not have existing gas burning equipment having a heat input of greater than 1,000,000 million British Thermal Units per year per unit. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.33.108 NMAC.
20.2.34 NMAC	Oil Burning Equipment: NO ₂	X	N/A	Yes	N/A	The objective of this Part is to establish nitrogen dioxide emission standards for oil burning equipment. This facility does not have oil burning equipment having a heat input of greater than 1,000,000 million British Thermal Units per year per unit. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.34.108 NMAC.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	N/A	N/A	Yes	X	The objective of this part is to establish sulfur emission standards for natural gas processing plants. The facility is an "Existing natural gas processing plant" as fabrication, erection or installation of was commenced prior to July 1, 1974. However, because the facility utilizes acid gas injection, the regulation does not apply [March 4, 2016 NMED Air Quality Bureau memorandum "Guidance and Clarification Regarding Applicability of 20.2.35 NMAC].

STATE REGULATIONS CITATION	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforceable	Does Not Apply	JUSTIFICATION: Identify the applicability criteria, numbering each (i.e. 1. Post 7/23/84, 2. 75 m ³ , 3. VOL)
20.2.37 NMAC	Petroleum Processing Facilities	(1), (4)	(3) - ES-14 ES-42 ES-50 (6) ES-56 ES-60 (8)- ES-14 ES-42 ES-50 ES-06/07 ES-08/09 ES-10/11 ES-17 ES-22 ** Existing units: ES-03 ES-04 ES-05 ES-21 ES-40 Misc. exempt equipment	No	N/A	<p>This purpose of this regulation is to minimize emissions from petroleum or natural gas processing facilities. The facility is an "Existing petroleum processing facility" as it is a natural gas processing plant the fabrication, erection, or installation of which was commenced prior to July 1, 1974.</p> <p>(1) 20.2.37.200.A NMAC - Mercaptan: The owner or operator of a petroleum processing facility shall not permit, cause, suffer or allow mercaptan emissions to the atmosphere unless: (i)the total mercaptan emissions do not exceed 0.25 pounds per hour; or (ii) the gas stream containing mercaptan has passed through a steam condenser (if necessary to achieve combustion) and combustion device which is well maintained and designed to achieve complete combustion or any other device which is at least as efficient to prevent mercaptan emissions to the atmosphere.</p> <p>(2) 20.2.37.200.B NMAC – Sulfur recovery plant: Hydrogen sulfide: The owner or operator of a petroleum or processing facility, sulfur recovery plant, the feedstock of which is in whole or in part a product of petroleum processing shall not permit, cause, suffer or allow hydrogen sulfide emissions to the atmosphere unless: (i)the stack emissions do not exceed 10 ppm by volume in the undiluted effluent gas stream or streams; or (ii) the effluent gas stream containing hydrogen sulfide is passed through a device capable of oxidizing the hydrogen sulfide to sulfur dioxide.</p> <p>(3) 20.2.37.200.C NMAC. – H₂S alarm system requirements apply to flares (ES-14, ES-42 & ES-50).</p> <p>(4) 20.2.37.202.A & D(2)&(3) NMAC – Particulate matter emissions requirements apply to entire facility.</p> <p>(5) 20.2.37.205A&B NMAC – Not applicable because there are no tanks equal to or greater than 250,000 gallons (A) or 65,000 gallons (B).</p> <p>(6) 20.2.37.205.C.NMAC –There are two loading racks at the I</p> <p>(7) 20.2.37.205.D.NMAC – Not applicable because there are no “new” rotating pumps or compressors handling an organic compound with a Reid vapor pressure of 1.5 psi or greater.</p> <p>(8) 20.2.37.205.E.NMAC – New facility blowdown system requirements apply. Vent gases from unit operations are sent to the stabilizer overhead compressor and then to a processing unit for reprocessing during normal operations. In an upset condition or during a maintenance event, individual units vent to the utility flare, residue gas flare or SSM flare, which are smokeless or which achieve complete combustion.</p> <p>* 20.2.37.7.C NMAC - <u>New petroleum processing facility</u> - -natural gas processing plant or part thereof, the fabrication, installation or modification of which commenced on or after July 1, 1974.</p> <p>** 20.2.37.7.B NMAC - <u>Existing petroleum processing facility</u> - natural gas processing plant or part thereof, the fabrication, erection, or installation of which commenced prior to July 1, 1974, and were not modified.</p>

STATE REGULATIONS CITATION	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforceable	Does Not Apply	JUSTIFICATION: Identify the applicability criteria, numbering each (i.e. 1. Post 7/23/84, 2. 75 m ³ , 3. VOL)
20.2.38 NMAC	Hydrocarbon Storage Facility	N/A	(1)- ES-46 ES-47 ES-48 ES-52	No	N/A	<p>The purpose of this regulation is to minimize hydrogen sulfide emissions from hydrocarbon storage facilities.</p> <p>(1) 20.2.38.7 Definitions: In addition to the terms defined in 20.2.2 NMAC (Definitions), as used in this Part:</p> <p>A. "New hydrocarbon storage facility" means any hydrocarbon storage facility, or part thereof, the fabrication, erection, installation, or modification of which is commenced on or after January 1, 1975.</p> <p>B. "New tank battery" means any tank battery, or part thereof, the fabrication, erection, installation, or modification of which is commenced on or after January 1, 1975.</p> <p>E. "Tank battery" means a tank or group of tanks that receive crude oil or condensate from a well for storage until shipment.</p> <p>The condensate tanks and skimmer basin oil tanks meet the definition of new hydrocarbon storage facility (A). However, there are <u>no applicable requirements in 20.2.38.</u></p> <p>(2) 20.2.38.109 NMAC – Tank storage associated with petroleum production or processing facility - The owner or operator shall not place, hold or store hydrocarbons containing hydrogen sulfide in a container associated with a petroleum production facility or petroleum processing facility and having a capacity of 20,000 gallons or greater with a throughput of at least 30,000 gallon per week, unless the container is equipped as specified –</p> <p>Not applicable because there are no hydrocarbon storage tanks which contain hydrogen sulfide that have a capacity greater than 476 bbl. ES-46, 47, and 48 and do not contain H2S and ES-52 is 210 bbl.</p> <p>(3) 20.2.38.112 NMAC - New tank battery -- more than 65,000 gallons capacity -</p> <p>Not applicable because ES-46, 47, 48, and 52 are not considered to be a tank battery per 20.2.38.7 NMAC definition above. The tanks do not receive crude oil or condensate from a well for storage until shipment, as the IBGP is not a field site.</p>
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	N/A	N/A	No	X	<p>This regulation establishes sulfur emission standards for sulfur recovery plants which are not part of petroleum or natural gas processing facilities. This regulation does not apply to the facility because it does not have a sulfur recovery plant.</p>
20.2.61.109 NMAC	Smoke & Visible Emissions	N/A	HT-1, HT-2, HT-3, Flare-1, ECD	No	N/A	<p>This regulation establishes controls on smoke and visible emissions from certain sources, including stationary combustion equipment.</p> <p>(1) 20.2.61.109 NMAC –Stationary Combustion Equipment - The owner or operator of stationary combustion equipment shall not permit, cause, suffer or allow visible emissions from the stationary combustion equipment to equal or exceed an opacity of 20 percent; provided, <u>however, stationary combustion equipment which is regulated by Parts 20.2.10 NMAC through 20.2.18 NMAC, 20.2.37 NMAC, and 20.2.42 NMAC, and any other Part of Chapter 2 which specifically limits particulate emissions is exempted from this Part.</u></p> <p>20.2.37.202.A. and D. apply to the stationary combustion equipment on the site. In addition, 20.2.37.205E, applies to flares in which blowdown emissions are sent for any reason. Therefore,</p>

STATE REGULATIONS CITATION	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforceable	Does Not Apply	JUSTIFICATION: Identify the applicability criteria, numbering each (i.e. 1. Post 7/23/84, 2. 75 m ³ , 3. VOL)
						<u>20.2.61 NMAC is not applicable.</u>
20.2.70 NMAC	Operating Permits	X	N/A	Yes	N/A	This regulation establishes requirements for obtaining an operating permit. This source is Title V major for NO _x and CO.
20.2.71 NMAC	Operating Permit Fees	X	N/A	Yes	N/A	This regulation establishes a schedule of operating permit emission fees. The facility is subject to 20.2.70 NMAC and is therefore subject to the requirements of this regulation.
20.2.72 NMAC	Construction Permits	X	N/A	Yes	N/A	This regulation establishes the requirements for obtaining a construction permit. The facility is a stationary source that has potential emission rates great than 10 pounds per hour or 25 tons per year of any regulated air contaminant for which there is a National or New Mexico Air Quality Standard. The facility operates under NSR 0295-M8-R4 to meet the requirements of this regulation.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	X	N/A	Yes	N/A	This regulation establishes emission inventory requirements. The facility meets the applicability requirements of 20.2.73.300 NMAC. The facility will meet any applicable reporting requirements under 20.2.73 NMAC.
20.2.74 NMAC	Permits – PSD	X	N/A	Yes	N/A	This regulation establishes requirements for obtaining a PSD permit. This facility is a stationary source not listed in Table 1 of this Part (20.2.74.501 NMAC) which emits or has the potential to emit two hundred fifty (250) tons per year or more of any regulated pollutant (NO _x).
20.2.75 NMAC	Construction Permit Fees	X	N/A	Yes	N/A	This regulation establishes the guidelines and requirements for construction permitting fees. This facility is subject to 20.2.72 NMAC and is in turn subject to 20.2.75 NMAC.
20.2.77 NMAC	New Source Performance	N/A	(1) ES-47 ES-48 (2) ES-06/07 ES-08/09 ES-10/11 ES-17 ES-22 (3) VRU-ES-40-SB ES-46 ES-47 ES-48 VCS-COND (Mol. sieve dehy#2) ES-14 (VOC components), ES-50 (VOC components)	Yes	X	The purpose of this regulation is to establish state authority to implement new source performance standards for stationary sources in New Mexico subject to 40 CFR Part 60. This is a stationary source which is subject to the requirements of 40 CFR Part 60, as amended through September 23, 2013. (1) NSPS Kb (2) NSPS GG (3) NSPS KKK* (4) NSPS OOOO** ** Fugitive components subject to NSPS OOOO include the new piping components associated with the NGL load out.

<u>STATE REGULATIONS CITATION</u>	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforceable	Does Not Apply	JUSTIFICATION: Identify the applicability criteria, numbering each (i.e. 1. Post 7/23/84, 2. 75 m ³ , 3. VOL)
			ES-17 (compres) (4) New Fugitive components (FUG)			
20.2.78 NMAC	Emission Standards for HAPS	N/A (Potentially)	N/A	Yes	X	This regulation applies to all sources subject to a 40 CFR 60 regulation, as amended through December 31, 2010. 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	N/A	N/A	Yes	X	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	N/A	N/A	Yes	X	This regulation establishes requirements for the evaluation of stack heights and other dispersion techniques. There are no stack height requirements cited in NSR Permit PSD0295-M8R4.
20.2.82 NMAC	MACT Standards for source categories of HAPS	N/A	ES-40	Yes	N/A	This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63. The glycol dehydrator is subject to 40 CFR Part 63 Subpart HH requirements for TEG dehydrators at area sources of HAPs. There are recordkeeping and reporting requirements however, the site qualifies for an exemption from the emissions reduction standards since benzene emissions are less than 1 ton per year.

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

<u>FEDERAL REGULATIONS CITATION</u>	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforceable	Does Not Apply	JUSTIFICATION:
40 CFR 50	NAAQS	X	N/A	Yes	N/A	This regulation defines national ambient air quality standards. The facility meets all applicable national ambient air quality standards for NO _x , CO, SO ₂ , H ₂ S, PM ₁₀ , and PM _{2.5} under this regulation.
NSPS 40 CFR 60, Subpart A	General Provisions	N/A	ES-06/07 ES-08/09 ES-10/11 ES-17 ES-22 ES-47 ES-48 FUG (qualifying dates only): VRU-ES-40-SB VRU-COND ES-14 ES-50 and ES-17 compress.	Yes	N/A	This regulation defines general provisions for relevant standards that have been set under this part. NSPS GG : ES-06/07, ES-08/09, ES-10/11, ES-17, & ES-22 NSPS Kb : ES-47 & ES-48 NSPS KKK*: fugitive emissions (FUG) associated with units, which commenced construction, reconstruction or modification after January 20, 1984 and on or after August 23, 2011, including VRU-ES-40-SB, flares (ES-14 and ES-50), ES-17 (inlet compressor). NSPS OOOO: fugitive piping component emissions associated with ES-17 (inlet compressor turbine). ES-42 flare is not in VOC service and thus NSPS KKK does not apply.
NSPS 40 CFR60.40 a, Subpart Da	Subpart Da, Performance Standards for Electric Utility Steam Generating Units	N/A	N/A	Yes	X	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 with heat input greater than 250 MMBtu/hr.
NSPS 40 CFR60.40b Subpart Db	Electric Utility Steam Generating Units	N/A	N/A	Yes	X	This regulation establishes standards of performance for industrial-commercial-institutional steam generating units. This regulation does not apply because the facility does not operate any industrial-commercial-institutional steam generating units with heat inputs greater than 100 MMBtu/hr.
NSPS 40 CFR60.40b Subpart Dc	Standards of Performance for small Industrial-Commercial-Institutional Steam Generating Units	N/A	N/A	Yes	X	This regulation establishes standards of performance for small industrial-commercial-institutional steam generating units. The facility does not have any steam generating units with a heat input capacity greater than 10 MMBtu/hr and less than 100 MMBtu/hr.

FEDERAL REGU- LATIONS CITATION	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforce- able	Does Not Apply	JUSTIFICATION:
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	N/A	N/A	Yes	X	This regulation establishes performance standards for storage vessels for petroleum liquids for which construction, reconstruction, or modification commenced after May 18, 1978, and prior to July 23, 1984. There are no petroleum liquid storage vessels which commenced construction, reconstruction, or modification after May 18, 1978 and prior to July 23, 1984. Accordingly, this regulation 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	N/A	ES-47 ES-48	Yes	N/A	<p>This regulation establishes performance standards for storage vessels for volatile organic liquids for which construction, reconstruction, or modification commenced after July 23, 1984. The affected facility is each storage vessel with a capacity greater than or equal to 75 cubic meters.</p> <p>This facility has two storage vessels, emission units ES-47 and ES-48, 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.</p> <p>Two oil/condensate storage tanks, ES-47 and ES-48, installed in 2003 at the IBGP, are subject to NSPS Kb, 60.112b(a). These tanks are equipped with a vapor collection system (VCS-COND) that routes vapors to the flare ES-50. The tanks are located after the point of custody transfer since the material comes from field sites to the plant. "Custody transfer" is further defined by EPA as "the transfer of produced petroleum and/or condensate after processing and/or treatment in the producing operations, from storage vessels or automatic transfer facilities to pipelines or any other forms of transportation (40 CFR 60.111b). It was concluded that custody transfer already occurred when the produced oil/condensate leaves the producing site.</p>
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	N/A	ES-06/07 ES-08/09 ES-10/11 ES-17 ES-22	Yes	N/A	<p>This regulation establishes standards of performance for certain stationary gas turbines.</p> <p>Units ES-06/07, ES-08/09, ES-10/11, ES-17, and ES-22 have heat inputs of 39.01, 39.01, 39.01, 50.32, and 43.85 Btu/hour respectively which are greater than the 10 MMBtu/hour threshold. These units were installed in 1980, 1980, 1980, 1989, and 1979, respectively, which is after the October 3, 1977 applicability date.</p>
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	N/A	Flares – Blown streams with VOC: ES-14 ES-14 – SSM ES-50 ES-50- SSM	Yes	N/A	<p>This regulation defines standards of performance for equipment leaks of VOC emissions from onshore natural gas processing plants for which construction, reconstruction, or modification commenced after January 20, 1984, and on or before August 23, 2011.</p> <p>The following are affected facilities for this NSPS for Equipment Leaks of VOC from Onshore Natural Gas Processing (60.630-636):</p> <ul style="list-style-type: none"> - Vapor recovery unit (VRU-ES-40-SB) compressor – installed on the glycol dehydration unit (ES-40) and skimmer basin tank including one oil tank (ES-52) (Associated components);

FEDERAL REGU- LATIONS CITATION	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforce- able	Does Not Apply	JUSTIFICATION:
			VRU-ES-40-SB VCS-COND ES-17 compress			<ul style="list-style-type: none"> - The ES-17 inlet compressor; - The recompressor #4 turbine, ES-22 are in residue (i.e. pipeline quality) gas service and <u>not</u> subject to NSPS KKK; - Fugitive emissions (FUG) subject to NSPS KKK include components associated with newer units; - Blowdown emissions to the utility flare ES-14 and the SSM flare ES-50, which may contain VOC, are included in the NSPS KKK monitoring program; - The vapor collection system (VCS-COND) installed on the condensate gunbarrel/tanks ES-46, ES-47, and ES-48 have components subject to NSPS KKK. <p>The rest of the Indian Basin Gas Plant was constructed prior to January 20, 1984 and NSPS KKK is not applicable.</p>
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions	N/A	N/A	Yes	X	<p>This regulation establishes standards of performance for SO₂ emissions from onshore natural gas processing for which construction, reconstruction, or modification of the amine sweetening unit commenced after January 20, 1984 and on or before August 23, 2011. The provisions of this subpart do not apply to sweetening facilities producing acid gas that is completely reinjected into oil-or-gas-bearing geologic strata or that is otherwise not released to the atmosphere.</p> <p>This facility includes a sweetening unit constructed after January 20, 1984 but the acid gas is completely reinjected into a disposal well and therefore this regulation does not apply [60.640(e)].</p> <p>The original amine treater (and SRU) was constructed prior to January 20, 1984, the effective date of Subpart LLL, and is not subject to Subpart LLL.</p>
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution	N/A	FUG Fugitive piping components associate with the inlet compressor or ES-17* New fugitive emissions components [Equipment leaks (60.5400)]	Yes	N/A	<p>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.</p> <p>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).</p> <p>* These are piping components due to the turbine compressor switching from residue gas to inlet gas service.</p>

<u>FEDERAL REGU- LATIONS CITATION</u>	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforce- able	Does Not Apply	JUSTIFICATION:
NSPS 40 CFR Part 60 Subpart OOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	N/A	N/A	Yes	X	This subpart establishes emission standards and compliance schedules for the control of the pollutant greenhouse gases (GHG). The greenhouse gas standard in this subpart is in the form of a limitation on emissions of methane from affected facilities in the crude oil and natural gas source category that commence construction, modification, or reconstruction after September 18, 2015. This subpart also establishes emission standards and compliance schedules for the control of volatile organic compounds (VOC) and sulfur dioxide (SO ₂) emissions from affected facilities in the crude oil and natural gas source category that commence construction, modification or reconstruction after September 18, 2015. The storage vessels at this facility commenced construction prior to September 18, 2015 and are not subject to this regulation.
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	N/A	N/A	Yes	X	This regulation establishes standards of performance for stationary compression ignition internal combustion engines. This facility does not have any internal combustion engines. This regulation does not apply.
NSPS 40 CFR Part 60 Subpart JJJ	Standards of performance for stationary spark ignition internal combustion engines	N/A	N/A	Yes	X	This regulation establishes standards of performance for stationary spark ignition internal combustion engines. This facility does not have any internal combustion engines. This regulation does not apply.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	N/A	N/A	Yes	X	This regulation establishes standards of performance for electric generating units. This facility does not have any electric generating units. This regulation does not apply.
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	N/A	N/A	Yes	X	This regulation establishes standards of performance for electric utility generating units. This facility does not have any electric utility generating units. This regulation does not apply.
NESHAP 40 CFR 61 Subpart A	General Provisions	N/A (Potentially)	N/A	Yes	X	This part applies to the owner or operator of any stationary source for which a standard is prescribed under this part. Although this standard does not apply to this facility under routine operating conditions, in the case of asbestos demolition, Subpart M would apply.
NESHAP 40 CFR 61 Subpart E	National Emission Standards for Mercury	N/A	N/A	Yes	X	This regulation establishes a national emission standard for mercury. The facility does not have 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 [40 CFR Part 61.50]. The facility is not subject to this regulation.
NESHAP 40 CFR 61 Subpart M	National Emission Standards for	N/A (Potentially)	N/A	Yes	X	Although this standard does not apply to this facility under routine operating conditions, in the case of asbestos demolition, Subpart M would apply.

FEDERAL REGU- LATIONS CITATION	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforce- able	Does Not Apply	JUSTIFICATION:
	Asbestos					
NESHAP 40 CFR 61 Subpart V	National Emission Standards for Equipment Leaks (Fugitive Emission Sources)	N/A	N/A	Yes	X	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	N/A	ES-40	Yes	X	This regulation defines general provisions for relevant standards that have been set under this part. This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63, as amended through August 29, 2013. This subpart applies because 40 CFR 63 Subpart HH for area source TEG dehydrators is applicable.
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	N/A	ES-40	Yes	X	This regulation establishes national emission standards for hazardous air pollutants from oil and natural gas production facilities. This regulation applies to the owners and operators of certain emission points at oil and natural gas production facilities. This facility is Subject to the requirements of 40 CFR 63 Subpart HH, which includes requirements applicable to area sources with TEG dehydrators although the site is not a “major” source of hazardous air pollutants (HAPs). The glycol dehydrator unit ES-40 qualifies for exemption from the emissions reduction standards since benzene emissions are less than 1 ton per year (tpy). However, the unit is subject to recordkeeping and reporting requirements.
MACT 40 CFR 63 Subpart HHH	Natural Gas Transmission and Storage Facilities	N/A	N/A	Yes	X	This subpart applies to owners and operators of natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user (if there is no local distribution company), and that are major sources of hazardous air pollutants (HAP) emissions as defined in §63.1271. This facility is not a major source of HAP emissions. This regulation does not apply.
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	N/A	N/A	Yes	X	This regulation defines national emission standards for hazardous air pollutants for major industrial, commercial, and institutional boilers & process heaters. You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP, except as specified in §63.7491. This facility is not a major source of HAP and is therefore not subject to this regulation.
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	N/A	N/A	Yes	X	This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from coal- and oil-fired electric utility steam generating units (EGUs) as defined in §63.10042 of this subpart. You are subject to this subpart if you own or operate a coal-fired EGU or an oil-fired EGU as defined in §63.10042 of this subpart. This facility does not contain an affected source (EGU) and is therefore not subject to this regulation.
MACT 40 CFR 63 Subpart	National Emissions Standards for Hazardous Air	N/A	N/A	Yes	X	This regulation defines national emissions standards for HAPs for stationary Reciprocating Internal Combustion Engines. This facility does not have reciprocating internal combustion engines.

FEDERAL REGU- LATIONS CITATION	Title	Applies to Entire Facility	Applies to Unit No(s).	Federally Enforce- able	Does Not Apply	JUSTIFICATION:
ZZZZ	Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)					This regulation does not apply.
40 CFR 64	Compliance Assurance Monitoring	N/A	N/A	Yes	X	This regulation defines compliance assurance monitoring. This facility is not subject because there are no emission units major in and of itself.
40 CFR 68	Chemical Accident Prevention	X	N/A	Yes	N/A	This regulation applies to owners or operators of stationary sources that have more than a threshold quantity of a regulated substance in a process, as determined under §68.115. This facility has more than a threshold quantity of a regulated substance in a process as determined under §68.115. The facility maintains a current RMP for these chemicals.
Title IV – Acid Rain 40 CFR 72	Acid Rain	N/A	N/A	Yes	X	This part establishes the acid rain program. This part does not apply because the facility is not covered by this regulation [40 CFR Part 72.6].
Title IV – Acid Rain 40 CFR 73	Sulfur Dioxide Allowance Emissions	N/A	N/A	Yes	X	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 76	Acid Rain Nitrogen Oxides Emission Reduction Program	N/A	N/A	Yes	X	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 SO ₂ . 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	N/A	N/A	Yes	X	This regulation establishes a regulation for protection of the stratospheric ozone. The regulation is not applicable because the facility does not “service”, “maintain” or “repair” class I or class II appliances nor “disposes” of the appliances [40 CFR Part 82.1(a)].

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.
-

As stated above, submittal of operational plan to mitigate emissions with this application is not required. Startup and shutdown procedures are performed according to guidelines which dictate proper procedural sequence to minimize emissions from the facility during such activities.

Equipment located at the plant are equipped with various safety devices that aid in preventing excess emissions to the atmosphere in the event of an operational emergency. In the event of a malfunction, startup, shutdown, or scheduled maintenance in which emission rates from the facility exceed permitted allowables, Oxy will notify the AQB in accordance with 20.2.7 NMAC and the equipment responsible for the exceedance will be repaired as soon as possible.

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.

No alternative operating scenarios are proposed with this application.

Section 16

Air Dispersion Modeling

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

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

Check each box that applies:

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

Universal Application 4

Air Dispersion Modeling Report

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

16-A: Identification	
1	Name of facility: Indian Basin Gas Plant
2	Name of company: OXY USA WTP LP
3	Current Permit number: PSD0295-M8-R4; P103-R2
4	Name of applicant’s modeler: Victoria Collis
5	Phone number of modeler: (302) 507-2134
6	E-mail of modeler: vcollis@trinityconsultants.com

16-B: Brief				
1	<p>Why is the modeling being done? Other (describe below)</p> <p>The purpose of the permit application is to fulfill the Specific Condition added to Permit number PSD0295-M8-R1:</p> <p style="text-align: center;"><i>The permittee shall submit a significant permit revision per 20.2.72.219.D NMAC to include an ambient impact analysis for H₂S, within 12 months from the issuance date of NSR PSD0295-M8R3.</i></p>			
2	<p>Describe the permit changes relevant to the modeling.</p> <p>There are no proposed changes to the permit.</p>			
3	<p>What geodetic datum was used in the modeling? WGS84</p>			
4	<p>How long will the facility be at this location? The facility will be at this location more than one year.</p>			
5	<table border="1" style="width: 100%;"> <tr> <td style="width: 80%;">Is the facility a major source with respect to Prevention of Significant Deterioration (PSD)?</td> <td style="width: 10%; text-align: center;">Yes</td> <td style="width: 10%;"></td> </tr> </table>	Is the facility a major source with respect to Prevention of Significant Deterioration (PSD)?	Yes	
Is the facility a major source with respect to Prevention of Significant Deterioration (PSD)?	Yes			

6	Identify the Air Quality Control Region (AQCR) in which the facility is located. This facility is located in AQCR 155.															
7	List the PSD baseline dates for this region (minor or major, as appropriate). <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Major Source Baseline Date</th> <th>Trigger Date</th> </tr> </thead> <tbody> <tr> <td>PM</td> <td>January 6, 1975</td> <td>August 7, 1977</td> </tr> <tr> <td>SO2</td> <td>January 6, 1975</td> <td>August 7, 1977</td> </tr> <tr> <td>NO2</td> <td>February 8, 1988</td> <td>February 8, 1988</td> </tr> <tr> <td>PM2.5</td> <td>October 20, 2010</td> <td>October 20, 2011</td> </tr> </tbody> </table>	Pollutant	Major Source Baseline Date	Trigger Date	PM	January 6, 1975	August 7, 1977	SO2	January 6, 1975	August 7, 1977	NO2	February 8, 1988	February 8, 1988	PM2.5	October 20, 2010	October 20, 2011
Pollutant	Major Source Baseline Date	Trigger Date														
PM	January 6, 1975	August 7, 1977														
SO2	January 6, 1975	August 7, 1977														
NO2	February 8, 1988	February 8, 1988														
PM2.5	October 20, 2010	October 20, 2011														
8	Provide the name and distance to Class I areas within 50 km of the facility (300 km for PSD permits). Carlsbad Caverns National Park is 30.8 km from the facility.															
9	Is the facility located in a non-attainment area? If so, describe. The facility is not located in a non-attainment area.															
10	Describe any special modeling requirements, such as streamline permit requirements. The purpose of the permit application is to fulfill the Specific Condition added to Permit number PSD0295-M8-R1: <p style="text-align: center;"><i>The permittee shall submit a significant permit revision per 20.2.72.219.D NMAC to include an ambient impact analysis for H₂S, within 12 months from the issuance date of NSR PSD0295-M8R3.</i></p>															

16-C: Modeling History of Facility

1	Describe the modeling history of the facility, including the air permit numbers, the pollutants modeled, the National Ambient Air Quality Standards (NAAQS), New Mexico AAQS (NMAAQS), and PSD increments modeled. (Do not include modeling waivers).			
	Pollutant	Latest permit and modification number that modeled the pollutant facility-wide.	Date of Permit	Comments
	CO	0295-M6	2003	1-hr and 8-hr NMAAQS
	NO ₂	0295-M6	2003	24-hr and annual NMAAQS; PSD Class I & II
	SO ₂	0295-M6	2003	3-hr NAAQS and 24-hr NMAAQS
	H ₂ S			
	PM2.5			
	PM10			
	TSP			
	Lead			
	Ozone (PSD only)			
	NM Toxic Air Pollutants (20.2.72.402 NMAC)			

16-D: Modeling performed for this application

1	For each pollutant, indicate the modeling performed and submitted with this application. Choose the most complicated modeling applicable for that pollutant, i.e., culpability analysis assumes ROI and cumulative analysis were also performed.					
	Pollutant	ROI	Cumulative analysis	Culpability analysis	Waiver approved	Pollutant not emitted or not changed.
	CO					X
	NO ₂					X
	SO ₂					X
	H ₂ S		X			
	PM2.5					X

	PM10					X
	TSP					X
	Lead					X
	Ozone					X
	State air toxic(s) (20.2.72.402 NMAC)					X

16-E: New Mexico toxic air pollutants modeling – N/A

1	List any New Mexico toxic air pollutants (NMTAPs) from Tables A and B in 20.2.72.502 NMAC that are modeled for this application. N/A – There are no New Mexico TAPs that are modeled for this facility.					
	List any NMTAPs that are emitted but not modeled because stack height correction factor. Add additional rows to the table below, if required.					
	Pollutant	Emission Rate (pounds/hour)	Emission Rate Screening Level (pounds/hour)	Stack Height (meters)	Correction Factor	Emission Rate/ Correction Factor

16-F: Modeling options

1	What model(s) were used for the modeling? Why? BREEZE AERMOD with US EPA executable 15181 which provides more detailed background concentration tools and added flexibility.
2	What model options were used and why were they considered appropriate to the application? The model was run in regulatory default mode.

16-G: Surrounding source modeling

1	If the surrounding source inventory provided by the Air Quality Bureau was believed to be inaccurate, describe how the sources modeled differ from the inventory provided. If changes to the surrounding source inventory were made, use the unmerged list of sources to describe the changes. No changes were made to the surrounding source inventory.	
2	Date of surrounding source retrieval. Surrounding source data was provided by NMED on April 29, 2016.	
	AQB Source ID	Description of Corrections

16-H: Building and structure downwash

1	How many buildings are present at the facility?	There are 20 buildings at the facility which are included in the dispersion model.
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2	How many above ground storage tanks are present at the facility?	There were no above ground storage tanks included as downwash structures in the dispersion model.																																																																																																																																																																																																																												
3	Was building downwash modeled for all buildings?	Yes																																																																																																																																																																																																																												
4	If not, explain why. N/A																																																																																																																																																																																																																													
5	<p>Building comments</p> <p>Below is a screenshot of the buildings included in the model and their parameters.</p> <table border="1"> <thead> <tr> <th>Index</th> <th>ID</th> <th>Description</th> <th>X coordinate</th> <th>Y coordinate</th> <th>Elevation</th> <th>Height</th> <th>X length</th> <th>Y length</th> <th>Angle</th> </tr> <tr> <th></th> <th></th> <th></th> <th>m</th> <th>m</th> <th>meters</th> <th>feet</th> <th>feet</th> <th>feet</th> <th>degree</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OFFICE</td> <td></td> <td>540407.58</td> <td>3592248.62</td> <td>1166.1</td> <td>13</td> <td>28</td> <td>70</td> <td>0</td> </tr> <tr> <td>2</td> <td>WH_E</td> <td>Warehouse East</td> <td>540409.68</td> <td>3592212.78</td> <td>1165.64</td> <td>9.33</td> <td>45</td> <td>35</td> <td>0</td> </tr> <tr> <td>3</td> <td>SAFETY</td> <td></td> <td>540412.59</td> <td>3592209.08</td> <td>1165.56</td> <td>10.66</td> <td>25</td> <td>10</td> <td>0</td> </tr> <tr> <td>4</td> <td>SHOP</td> <td></td> <td>540409.87</td> <td>3592197.53</td> <td>1165.47</td> <td>13.33</td> <td>40</td> <td>30</td> <td>0</td> </tr> <tr> <td>5</td> <td>SHED</td> <td></td> <td>540408.82</td> <td>3592181.34</td> <td>1165.31</td> <td>9.5</td> <td>23</td> <td>12</td> <td>0</td> </tr> <tr> <td>6</td> <td>NEW_CTR</td> <td>New main control</td> <td>540402.5</td> <td>3592300</td> <td>1167.29</td> <td>13.66</td> <td>60</td> <td>25</td> <td>0</td> </tr> <tr> <td>7</td> <td>WH_N</td> <td>Warehouse north</td> <td>540356.15</td> <td>3592290.78</td> <td>1168</td> <td>13.5</td> <td>30</td> <td>30</td> <td>-26</td> </tr> <tr> <td>8</td> <td>ELEC</td> <td>Electrical shop</td> <td>540307.58</td> <td>3592264.79</td> <td>1168.8</td> <td>11</td> <td>28</td> <td>35</td> <td>-26</td> </tr> <tr> <td>9</td> <td>INST</td> <td>Instrument shop</td> <td>540318.46</td> <td>3592269.44</td> <td>1168.57</td> <td>11</td> <td>16</td> <td>35</td> <td>-26</td> </tr> <tr> <td>10</td> <td>OLDCTRL</td> <td>old control room b</td> <td>540344.84</td> <td>3592219.75</td> <td>1167.14</td> <td>13</td> <td>15</td> <td>60</td> <td>0</td> </tr> <tr> <td>11</td> <td>AIRCOMP</td> <td>Instrument air corr</td> <td>540321.94</td> <td>3592221.22</td> <td>1167.71</td> <td>20.6</td> <td>28</td> <td>52</td> <td>0</td> </tr> <tr> <td>12</td> <td>GENBLDG</td> <td>generator building</td> <td>540254.47</td> <td>3592158.83</td> <td>1168.09</td> <td>17.5</td> <td>25</td> <td>55</td> <td>0</td> </tr> <tr> <td>13</td> <td>SWD</td> <td>SWD control build</td> <td>540234</td> <td>3592098.31</td> <td>1167.07</td> <td>13</td> <td>25</td> <td>10</td> <td>0</td> </tr> <tr> <td>14</td> <td>OUTLETGC</td> <td>outlet gas compre</td> <td>540344.97</td> <td>3592117.93</td> <td>1165.44</td> <td>10.33</td> <td>23</td> <td>11</td> <td>0</td> </tr> <tr> <td>15</td> <td>740</td> <td></td> <td>540341.38</td> <td>3592145.37</td> <td>1165.79</td> <td>10.75</td> <td>20</td> <td>10</td> <td>0</td> </tr> <tr> <td>16</td> <td>4RECOMP</td> <td>4th recompressor</td> <td>540407.17</td> <td>3592148.28</td> <td>1164.97</td> <td>14.5</td> <td>12</td> <td>30</td> <td>0</td> </tr> <tr> <td>17</td> <td>CHEVRON</td> <td>chevron pipeline b</td> <td>540405.55</td> <td>3592127.11</td> <td>1164.77</td> <td>9.2</td> <td>8</td> <td>8</td> <td>0</td> </tr> <tr> <td>18</td> <td>SRU</td> <td>SRU control</td> <td>540214.87</td> <td>3592201.33</td> <td>1169.29</td> <td>11</td> <td>20</td> <td>10</td> <td>0</td> </tr> <tr> <td>19</td> <td>WATER</td> <td>water softener buil</td> <td>540227.62</td> <td>3592182.98</td> <td>1168.88</td> <td>10</td> <td>15</td> <td>22</td> <td>0</td> </tr> <tr> <td>20</td> <td>WORKSHOP</td> <td></td> <td>540408.99</td> <td>3592233.89</td> <td>1165.87</td> <td>14</td> <td>24</td> <td>37</td> <td>0</td> </tr> </tbody> </table>		Index	ID	Description	X coordinate	Y coordinate	Elevation	Height	X length	Y length	Angle				m	m	meters	feet	feet	feet	degree	1	OFFICE		540407.58	3592248.62	1166.1	13	28	70	0	2	WH_E	Warehouse East	540409.68	3592212.78	1165.64	9.33	45	35	0	3	SAFETY		540412.59	3592209.08	1165.56	10.66	25	10	0	4	SHOP		540409.87	3592197.53	1165.47	13.33	40	30	0	5	SHED		540408.82	3592181.34	1165.31	9.5	23	12	0	6	NEW_CTR	New main control	540402.5	3592300	1167.29	13.66	60	25	0	7	WH_N	Warehouse north	540356.15	3592290.78	1168	13.5	30	30	-26	8	ELEC	Electrical shop	540307.58	3592264.79	1168.8	11	28	35	-26	9	INST	Instrument shop	540318.46	3592269.44	1168.57	11	16	35	-26	10	OLDCTRL	old control room b	540344.84	3592219.75	1167.14	13	15	60	0	11	AIRCOMP	Instrument air corr	540321.94	3592221.22	1167.71	20.6	28	52	0	12	GENBLDG	generator building	540254.47	3592158.83	1168.09	17.5	25	55	0	13	SWD	SWD control build	540234	3592098.31	1167.07	13	25	10	0	14	OUTLETGC	outlet gas compre	540344.97	3592117.93	1165.44	10.33	23	11	0	15	740		540341.38	3592145.37	1165.79	10.75	20	10	0	16	4RECOMP	4th recompressor	540407.17	3592148.28	1164.97	14.5	12	30	0	17	CHEVRON	chevron pipeline b	540405.55	3592127.11	1164.77	9.2	8	8	0	18	SRU	SRU control	540214.87	3592201.33	1169.29	11	20	10	0	19	WATER	water softener buil	540227.62	3592182.98	1168.88	10	15	22	0	20	WORKSHOP		540408.99	3592233.89	1165.87	14	24	37	0
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4	SHOP		540409.87	3592197.53	1165.47	13.33	40	30	0																																																																																																																																																																																																																					
5	SHED		540408.82	3592181.34	1165.31	9.5	23	12	0																																																																																																																																																																																																																					
6	NEW_CTR	New main control	540402.5	3592300	1167.29	13.66	60	25	0																																																																																																																																																																																																																					
7	WH_N	Warehouse north	540356.15	3592290.78	1168	13.5	30	30	-26																																																																																																																																																																																																																					
8	ELEC	Electrical shop	540307.58	3592264.79	1168.8	11	28	35	-26																																																																																																																																																																																																																					
9	INST	Instrument shop	540318.46	3592269.44	1168.57	11	16	35	-26																																																																																																																																																																																																																					
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16-I: Receptors and modeled property boundary			
1	<p>“Restricted Area” is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with a steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area. A Restricted Area is required in order to exclude receptors from the facility property. If the facility does not have a Restricted Area, then receptors shall be placed within the property boundaries of the facility.</p> <p>Describe the fence or other physical barrier at the facility that defines the restricted area.</p> <p>The facility fence defines the restricted area and has 50 meter receptor spacing.</p>		
2	Receptors must be placed along publicly accessible roads in the restricted area. Are there public roads passing through the restricted area?		No
3	Are restricted area boundary coordinates included in the modeling files?	Yes	
4	<p>Describe the receptor grids and their spacing.</p> <p>The receptor grid is defined as follows:</p>		

	Spacing		Grid
	Start (m)	End (m)	Description
	0	500	Very Fine
	500	1,500	Fine
	1,500	5,000	Medium
	1,500	50,000	Coarse

Describe receptor spacing along the fence line.

Main Facility				
X	Y	Elevation (m)	Hill Ht. (m)	Flagpole ht (m)
540437.6	3592342	1167.67	1167.67	0
540438.2	3592292	1166.62	1166.62	0
540438.9	3592242	1165.58	1165.58	0
540439.6	3592192	1165.03	1165.03	0
540440.2	3592142	1164.48	1164.48	0
540440.3	3592134	1164.4	1164.4	0
540470.8	3592135	1164.01	1164.01	0
540471.4	3592122	1163.87	1163.87	0
540473	3592094	1163.54	1163.54	0
540451.9	3592093	1163.81	1163.81	0
540401.9	3592093	1164.44	1164.44	0
540351.9	3592092	1165.07	1165.07	0
540327.1	3592091	1165.41	1165.41	0
540327.4	3592066	1165.12	1165.12	0
540327.7	3592043	1164.86	1164.86	0
540301	3592042	1165.19	1165.19	0
540251.1	3592040	1165.81	1165.81	0
540207.7	3592039	1166.35	1166.35	0
540207.7	3592046	1166.42	1166.42	0
540207.1	3592096	1167.35	1167.35	0
540206.8	3592121	1167.9	1167.9	0
540181.9	3592120	1168.21	1168.21	0
540173.9	3592120	1168.3	1168.3	0
540172.5	3592134	1168.64	1168.64	0
540199.6	3592136	1168.32	1168.32	0
540206.1	3592136	1168.25	1168.25	0
540204.3	3592140	1168.36	1168.36	0
540204.3	3592144	1168.44	1168.44	0
540207	3592149	1168.51	1168.51	0
540206.8	3592179	1168.99	1168.99	0
540206.7	3592194	1169.22	1169.22	0
540200.3	3592194	1169.26	1169.26	0
540199.3	3592222	1169.68	1169.68	0
540198.6	3592243	1169.98	1169.98	0
540224.9	3592256	1170.16	1170.16	0
540270.1	3592277	1169.89	1169.89	0
540315.2	3592299	1168.97	1168.97	0
540360.4	3592320	1168.35	1168.35	0
540402.2	3592340	1168.1	1168.1	0
540405.8	3592340	1168.06	1168.06	0

5

Residue Flare Fence				
X	Y	Elevation (m)	Hill Ht. (m)	Flagpole ht (m)
540091.5	3591997	1166.71	1166.71	0
540091.3	3591947	1165.85	1165.85	0
540091.3	3591940	1165.77	1165.77	0
540048.7	3591940	1166.32	1166.32	0
540032.9	3591940	1166.52	1166.52	0
540032.8	3591974	1166.97	1166.97	0
540032.7	3591997	1167.48	1167.48	0
540059.3	3591997	1167.13	1167.13	0
Utility Flare Fence				
X	Y	Elevation (m)	Hill Ht. (m)	Flagpole ht (m)
540195.3	3592027	1166.38	1166.38	0
540194.4	3591977	1165.86	1165.86	0
540194.1	3591963	1165.65	1165.65	0
540158.5	3591963	1165.92	1165.92	0
540137.2	3591964	1165.94	1165.94	0
540136.9	3591992	1166.4	1166.4	0
540136.6	3592028	1166.97	1166.97	0
540151.1	3592028	1166.85	1166.85	0
SSM Flare Fence				
X	Y	Elevation (m)	Hill Ht. (m)	Flagpole ht (m)
540260.5	3592040.4	1165.69	1165.69	0
540260.9	3591990.4	1165.15	1165.15	0
540261.2	3591947.6	1164.49	1164.49	0
540254.0	3591947.3	1164.55	1164.55	0
540208.2	3591945.4	1165.1	1165.1	0
540208.1	3591949.6	1165.19	1165.19	0
540207.9	3591999.6	1165.93	1165.93	0
540207.8	3592038.8	1166.35	1166.35	0
6	Describe the PSD Class I area receptors. N/A – There are no PSD Class I standards for H ₂ S.			

16-J: Sensitive areas			
1	Are there schools or hospitals or other sensitive areas near the facility? This information is optional (and purposely undefined), but may help determine issues related to public notice.		No
2	If so, describe. N/A		
3	The modeling review process may need to be accelerated if there is a public hearing. Are there likely to be public comments opposing the permit application?		No

16-K: Modeling Scenarios – N/A – There is only one modeling scenario.												
1	Identify, define, and describe all modeling scenarios. Examples of modeling scenarios include using different production rates, times of day, times of year, simultaneous or alternate operation of old and new equipment during transition periods, etc. Alternative operating scenarios should correspond to all parts of the Universal Application and should be fully described in Section 15 of the Universal Application (UA3). As a conservative measure, we are modeling all flares as operating at full capacity simultaneously.											
2	Which scenario produces the highest concentrations? Why? The “All” scenario produces the highest concentrations.											
3	Were emission factor sets used to limit emission rates or hours of operation? (This question pertains to the "SEASON", "MONTH", "HROFDY" and related factor sets, not to the factors used for calculating the maximum emission rate.)						No					
4	If so, describe factors for each group of sources. List the sources in each group before the factor table for that group. (Modify or duplicate table as necessary. It's ok to put the table below section 16-K if it makes formatting easier.) Sources: N/A											
5	Hour of Day	Factor	Hour of Day	Factor								
	1		13									
	2		14									
	3		15									
	4		16									
	5		17									
	6		18									
	7		19									
	8		20									
	9		21									
	10		22									
	11		23									
	12		24									
If hourly, variable emission rates were used that were not described above, describe them here: N/A												
6	Were different emission rates used for short-term and annual modeling?						No					
7	If yes, describe. N/A											

16-L: NO₂ Modeling – N/A – NO₂ was not modeled.	
1	Which types of NO ₂ modeling were used? Check all that apply.
	100% NO _x to NO ₂ conversion
	ARM
	PVMRM
	OLM
	ARM2

	Other:
2	Describe the NO ₂ modeling.
3	In-stack NO ₂ /NO _x ratio(s) used in modeling.
4	Equilibrium NO ₂ /NO _x ratio(s) used in modeling.
5	Describe/justify the use of the ratios chosen.
6	Describe the design value used for each averaging period modeled. 1-hour: Choose an item.

16-M: Particulate Matter Modeling – N/A – PM was not modeled.			
1	Select the pollutants for which plume depletion modeling was used.		
		PM2.5	
		PM10	
		TSP	
		None	
2	Describe the particle size distributions used. Include the source of information.		
3	Was secondary PM modeled for PM2.5? Only required for PSD major modifications that are significant for NO _x and/or SO _x . Optional for minor sources, but allows use of high eighth high.	Yes	No

16-N: Setback Distances and Source Classification			
1	Portable sources or sources that need flexibility in their site configuration requires that setback distances be determined between the emission sources and the restricted area boundary (e.g. fence line) for both the initial location and future locations. Describe the setback distances for the initial location. N/A – Setback distances are not relevant to this modeling.		
2	Describe the requested, modeled, setback distances for future locations, if this permit is for a portable stationary source. Include a haul road in the relocation modeling. N/A – Setback distances are not relevant to this modeling.		
3	The unit numbers in the Tables 2-A, 2-B, 2-C, 2-E, 2-F, and 2-I should match the ones in the modeling files. Do these match?	Yes	
4	Provide a cross-reference table between unit numbers if they do not match. It's ok to place the table below section 16-N for easier formatting.		
5	The emission rates in the Tables 2-E and 2-F should match the ones in the modeling files. Do these match?	Yes	
6	If not, explain why. N/A		
7	Have the minor NSR exempt sources or Title V Insignificant Activities" (Table 2-B) sources been modeled?		No
8	Which units consume increment for which pollutants? N/A – H ₂ S does not have PSD increment standards.		
9	PSD increment description for sources. (for unusual cases, i.e., baseline unit expanded emissions after baseline date).		

10	Are all the actual installation dates included in Table 2A of the application form, as required? This is necessary to verify the accuracy of PSD increment modeling.	Yes	No
11	If not please explain how increment consumption status is determined for the missing installation dates. N/A		

16-O: Flare Modeling

1	For each flare or flaring scenario, complete the following			
	Flare ID (and scenario)	Average Molecular Weight	Gross Heat Release (cal/s)	Effective Flare Diameter (m)
	ES-14 SSM	16.04	197850360.7	12.642
	ES-42 SSM	16.04	177100590.3	11.961
	ES-50 SSM	34.08	49124890.04	5.946

16-P: Volume and Related Sources – N/A – Only SSM from flares was modeled.

1	Were the dimensions of volume sources different from standard dimensions in the Air Quality Bureau (AQB) Modeling Guidelines?	Yes	No
2	If the dimensions of volume sources are different from standard dimensions in the AQB Modeling Guidelines, describe how the dimensions were determined.		
3	Describe the determination of sigma-Y and sigma-Z for fugitive sources.		
4	Describe how the volume sources are related to unit numbers. Or say they are the same.		
5	Describe any open pits.		
6	Describe emission units included in each open pit.		

16-Q: Background Concentrations – N/A – No background for H₂S

1	Identify and justify the background concentrations used. N/A – No background concentrations for H ₂ S.		
2	Were background concentrations refined to monthly or hourly values?	Yes	No

16-R: Meteorological Data

1	Identify and justify the meteorological data set(s) used.
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	This modeling used a recently developed representative meteorological data set for 2015 using Automated Weather Observation System (AWOS) data collected at the Artesia Municipal Airport (KATS). Artesia Municipal Airport is the location for which the NMED approved Empire Abo (1993 – 1994) meteorological data set is derived. We feel that this meteorological data set is the best representation available for conditions at the facility.
2	Discuss how missing data were handled, how stability class was determined, and how the data were processed, if the Bureau did not provide the data. The data was processed in accordance with EPA guidelines and used AERSURFACE and AERMET in the generation of this data.

16-S: Terrain	
1	Was complex terrain used in the modeling? If no, describe why. There is no complex terrain in the area of the facility.
2	What was the source of the terrain data? N/A

16-T: Modeling Files			
1	Describe the modeling files:		
	The modeling files are described below.		
	File name (or folder and file name)	Pollutant(s)	Purpose (ROI/SIA, cumulative, culpability analysis, other)
	H ₂ S_SIL_v1	H ₂ S	SIA
H ₂ S_CIA_v1	H ₂ S	Cumulative	

16-U: PSD New or Major Modification Applications – N/A – Application is not for new PSD or major modification.			
1	A new PSD major source or a major modification to an existing PSD major source requires additional analysis. Was preconstruction monitoring done (see 20.2.74.306 NMAC and PSD Preapplication Guidance on the AQB website)?	Yes	No
2	If not, did AQB approve an exemption from preconstruction monitoring?	Yes	No
3	Describe how preconstruction monitoring has been addressed or attach the approved preconstruction monitoring or monitoring exemption.		
4	Describe the additional impacts analysis required at 20.2.74.304 NMAC.		
5	If required, have ozone and secondary PM _{2.5} ambient impacts analyses been completed?		

16-V: Modeling Results										
1	If ambient standards are exceeded because of surrounding sources, a culpability analysis is required for the source to show that the contribution from this source is less than the significance levels for the specific pollutant.									
2	Identify the maximum concentrations from the modeling analysis.									
Pollutant	Period	Facility Concentration (µg/m ³)	Total Modeled Concentration (µg/m ³)	Total Modeled Concentration (PPM)	Background Concentration	Cumulative Concentration	Standard	Value of Standard	Units of Standard, Background, and Total	Percent of Standard
H ₂ S	1-hr	12.948	12.948			12.948	NMAAQS	139.3	µg/m ³	9.3%

16-W: Location of maximum concentrations						
1	Identify the locations of the maximum concentrations.					
Pollutant	Period	UTM East (m)	UTM North (m)	Elevation (ft)	Distance (m)	Radius of Impact (ROI) (m)
H ₂ S	1-hr	543,250	3,583,090	1,345.63	9,360	32,561.5

16-X: Summary/conclusions	
1	<p>A statement that modeling requirements have been satisfied and that the permit can be issued.</p> <p>OXY USA WTP LP has demonstrated that H₂S emissions from Indian Basin Gas Plant neither cause nor contribute to an exceedance of the standard.</p>

Section 17

Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

Compliance Test History Table

Unit No.	Test Description	Test Date
ES-04	Turbine Generator #1 - Portable analyzer test for NOx and CO	08/11/2015
ES-05	Turbine Generator #2 - Portable analyzer test for NOx and CO	08/11/2015
ES-06 & 07	Turbine Recompressor #1 - 40 CFR Pt. 60 Appx. A, compliance testing for NOx and CO	08/11/2015
ES-08 & 09	Turbine Recompressor #2 - 40 CFR Pt. 60 Appx. A, compliance testing for NOx and CO	08/11/2015
ES-10 & 11	Turbine Recompressor #3 - 40 CFR Pt. 60 Appx. A, compliance testing for NOx and CO	08/11/2015 05/11/2016
ES-14	Emergency (Utility) Flare - 40 CFR Pt. 60 Appx. A, compliance testing for NOx and CO	08/11/2015
ES-17	Turbine Inlet Compressor - 40 CFR Pt. 60 Appx. A, compliance testing for NOx and CO	08/11/2015
ES-21	Turbine Generator #3 - Portable analyzer test for NOx and CO	08/11/2015
ES-22	Turbine Recompressor #4 - 40 CFR Pt. 60 Appx. A, compliance testing for NOx and CO	08/11/2015
ES-50	MSS Flare – Initial performance test to verify designed and operated according to 40 CFR 60.18	12/15/2010

Section 20

Other Relevant Information

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

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

No other relevant information is being submitted with this application.

Section 22: Certification

Company Name: OXY USA WTP Limited Partnership

I, Keith Sevin, 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 9 day of August, 2016, upon my oath or affirmation, before a notary of the State of

TEXAS.

Keith Sevin
*Signature

8-9-16
Date

Keith Sevin
Printed Name

Operations Manager
Title

Scribed and sworn before me on this 9 day of August, 2016

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

16 day of September, 2018

Thalia Himes
Notary's Signature

8/9/16
Date

Thalia Himes
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.

