Table 3.2-2. UNCONTROLLED EMISSION FACTORS FOR 4-STROKE LEAN-BURN ENGINES[a]
(SCC 2-02-002-54)

Pollutant	Emission Factor (lb/MMBtu)[b] (fuel input)	Emission Factor Rating
Criteria Pollutants and Greenhouse Gases		
NO_x[c] 90 - 105% Load	4.08 E+00	B
NO_x[c] <90% Load	8.47 E-01	B
CO[c] 90 - 105% Load	3.17 E-01	C
CO[c] <90% Load	5.57 E-01	B
CO_2[d]	1.10 E+02	A
SO_2[e]	5.88 E-04	A
TOC[f]	1.47 E+00	A
Methane[g]	1.25 E+00	C
VOC[h]	1.18 E-01	C
PM10 (filterable)[i]	7.71 E-05	D
PM2.5 (filterable)[i]	7.71 E-05	D
PM Condensable[j]	9.91 E-03	D
Trace Organic Compounds		
1,1,2,2-Tetrachloroethane[k]	<4.00 E-05	E
1,1,2-Trichloroethane[k]	<3.18 E-05	E
1,1-Dichloroethane	<2.36 E-05	E
1,2,3-Trimethylbenzene	2.30 E-05	D
1,2,4-Trimethylbenzene	1.43 E-05	C
1,2-Dichloroethane	<2.36 E-05	E
1,2-Dichloropropane	<2.69 E-05	E
1,3,5-Trimethylbenzene	3.38 E-05	D
1,3-Butadiene[k]	2.67E-04	D
1,3-Dichloropropene[k]	<2.64 E-05	E
2-Methylnaphthalene[k]	3.32 E-05	C
2,2,4-Trimethylpentane[k]	2.50 E-04	C
Acenaphthene[k]	1.25 E-06	C

Table 3.2-2. UNCONTROLLED EMISSION FACTORS FOR 4-STROKE LEAN-BURN ENGINES (Continued)

Pollutant	Emission Factor (lb/MMBtu)[b] (fuel input)	Emission Factor Rating
Acenaphthylene[k]	5.53 E-06	C
Acetaldehyde[k,l]	8.36 E-03	A
Acrolein[k,l]	5.14 E-03	A
Benzene[k]	4.40 E-04	A
Benzo(b)fluoranthene[k]	1.66 E-07	D
Benzo(e)pyrene[k]	4.15 E-07	D
Benzo(g,h,i)perylene[k]	4.14 E-07	D
Biphenyl[k]	2.12 E-04	D
Butane	5.41 E-04	D
Butyr/Isobutyraldehyde	1.01 E-04	C
Carbon Tetrachloride[k]	<3.67 E-05	E
Chlorobenzene[k]	<3.04 E-05	E
Chloroethane	1.87 E-06	D
Chloroform[k]	<2.85 E-05	E
Chrysene[k]	6.93 E-07	C
Cyclopentane	2.27 E-04	C
Ethane	1.05 E-01	C
Ethylbenzene[k]	3.97 E-05	B
Ethylene Dibromide[k]	<4.43 E-05	E
Fluoranthene[k]	1.11 E-06	C
Fluorene[k]	5.67 E-06	C
Formaldehyde[k,l]	5.28 E-02	A
Methanol[k]	2.50 E-03	B
Methylcyclohexane	1.23 E-03	C
Methylene Chloride[k]	2.00 E-05	C
n-Hexane[k]	1.11 E-03	C
n-Nonane	1.10 E-04	C

Table 3.2-2. UNCONTROLLED EMISSION FACTORS FOR 4-STROKE LEAN-BURN ENGINES
(Continued)

Pollutant	Emission Factor (lb/MMBtu)[b] (fuel input)	Emission Factor Rating
n-Octane	3.51 E-04	C
n-Pentane	2.60 E-03	C
Naphthalene[k]	7.44 E-05	C
PAH[k]	2.69 E-05	D
Phenanthrene[k]	1.04 E-05	D
Phenol[k]	2.40 E-05	D
Propane	4.19 E-02	C
Pyrene[k]	1.36 E-06	C
Styrene[k]	<2.36 E-05	E
Tetrachloroethane[k]	2.48 E-06	D
Toluene[k]	4.08 E-04	B
Vinyl Chloride[k]	1.49 E-05	C
Xylene[k]	1.84 E-04	B

[a] Reference 7. Factors represent uncontrolled levels. For NO_x, CO, and PM10, "uncontrolled" means no combustion or add-on controls; however, the factor may include turbocharged units. For all other pollutants, "uncontrolled" means no oxidation control; the data set may include units with control techniques used for NOx control, such as PCC and SCR for lean burn engines, and PSC for rich burn engines. Factors are based on large population of engines. Factors are for engines at all loads, except as indicated. SCC = Source Classification Code. TOC = Total Organic Compounds. PM-10 = Particulate Matter ≤ 10 microns (μm) aerodynamic diameter. A "<" sign in front of a factor means that the corresponding emission factor is based on one-half of the method detection limit.

[b] Emission factors were calculated in units of (lb/MMBtu) based on procedures in EPA Method 19. To convert from (lb/MMBtu) to (lb/10^6 scf), multiply by the heat content of the fuel. If the heat content is not available, use 1020 Btu/scf. To convert from (lb/MMBtu) to (lb/hp-hr) use the following equation:

$$\text{lb/hp-hr} = (\text{lb/MMBtu})\ (\text{heat input, MMBtu/hr})\ (\text{1/operating HP, 1/hp})$$

[c] Emission tests with unreported load conditions were not included in the data set.

[d] Based on 99.5% conversion of the fuel carbon to CO_2. CO_2 [lb/MMBtu] = (3.67)(%CON)(C)(D)(1/h), where %CON = percent conversion of fuel carbon to CO_2, C = carbon content of fuel by weight (0.75), D = density of fuel, 4.1 E+04 lb/10^6 scf, and

h = heating value of natural gas (assume 1020 Btu/scf at 60°F).

[e] Based on 100% conversion of fuel sulfur to SO_2. Assumes sulfur content in natural gas of 2,000 gr/10^6scf.

[f] Emission factor for TOC is based on measured emission levels from 22 source tests.

[g] Emission factor for methane is determined by subtracting the VOC and ethane emission factors from the TOC emission factor. Measured emission factor for methane compares well with the calculated emission factor, 1.31 lb/MMBtu vs. 1.25 lb/MMBtu, respectively.

[h] VOC emission factor is based on the sum of the emission factors for all speciated organic compounds less ethane and methane.

[i] Considered $\leq$ 1 μm in aerodynamic diameter. Therefore, for filterable PM emissions, PM10(filterable) = PM2.5(filterable).

[j] PM Condensable = PM Condensable Inorganic + PM-Condensable Organic

[k] Hazardous Air Pollutant as defined by Section 112(b) of the Clean Air Act.

[l] For lean burn engines, aldehyde emissions quantification using CARB 430 may reflect interference with the sampling compounds due to the nitrogen concentration in the stack. The presented emission factor is based on FTIR measurements. Emissions data based on CARB 430 are available in the background report.

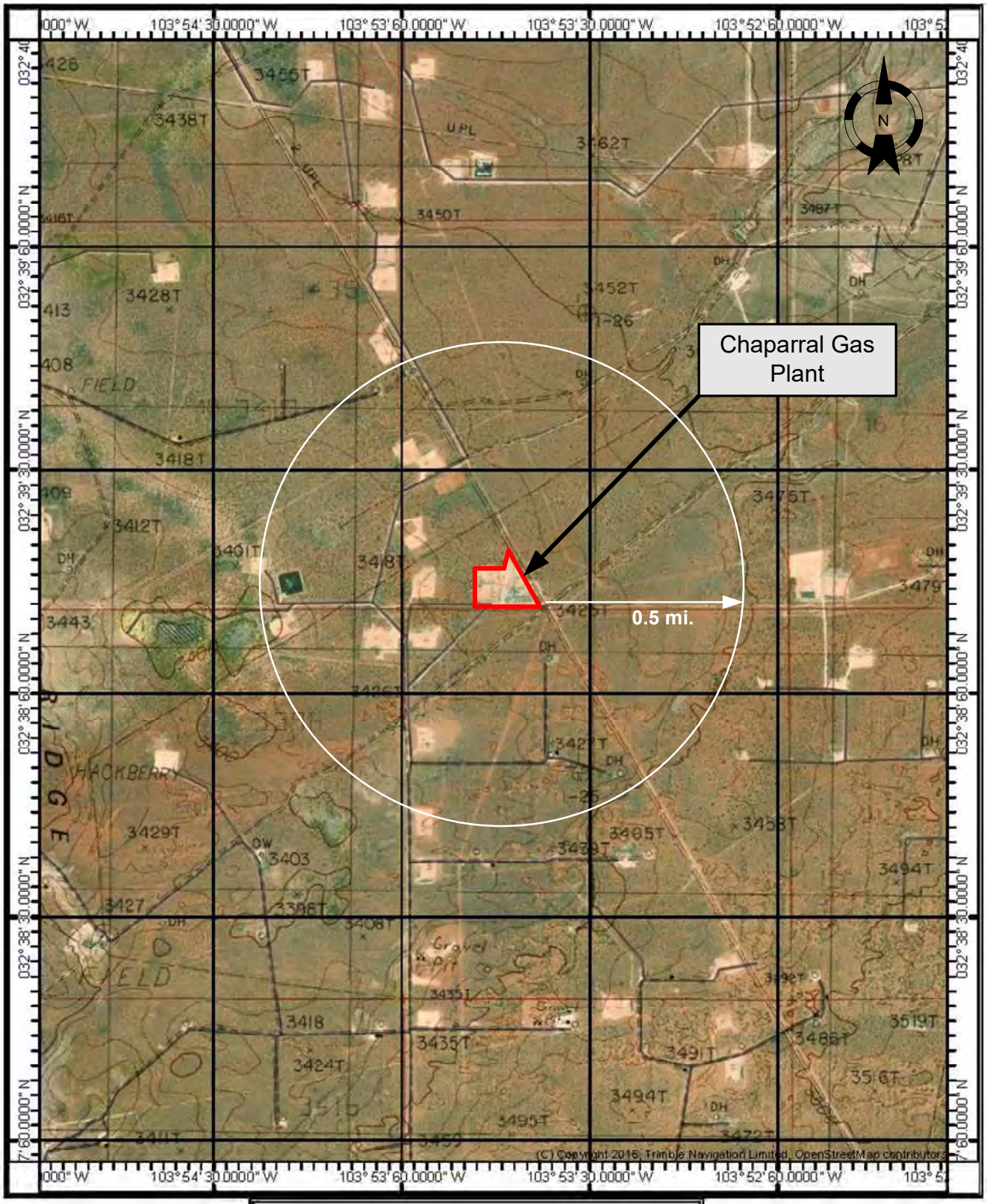
Section 8

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	

An area map is attached.



ALLIANT ENVIRONMENTAL, LLC	**Area Map**		**Enterprise Field Services LLC**			
Scale: **1:20,000**	Drawn by: MDF	Date: 12/29/2021	**Chaparral Gas Plant** N 32° 39' 15.06" Latitude W 103° 53' 41.54" Longitude	Project No.: 066-037	File Name: **Chaparral GP Maps**	Figure: Section 8
	Chk'd by:	Date:				

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:

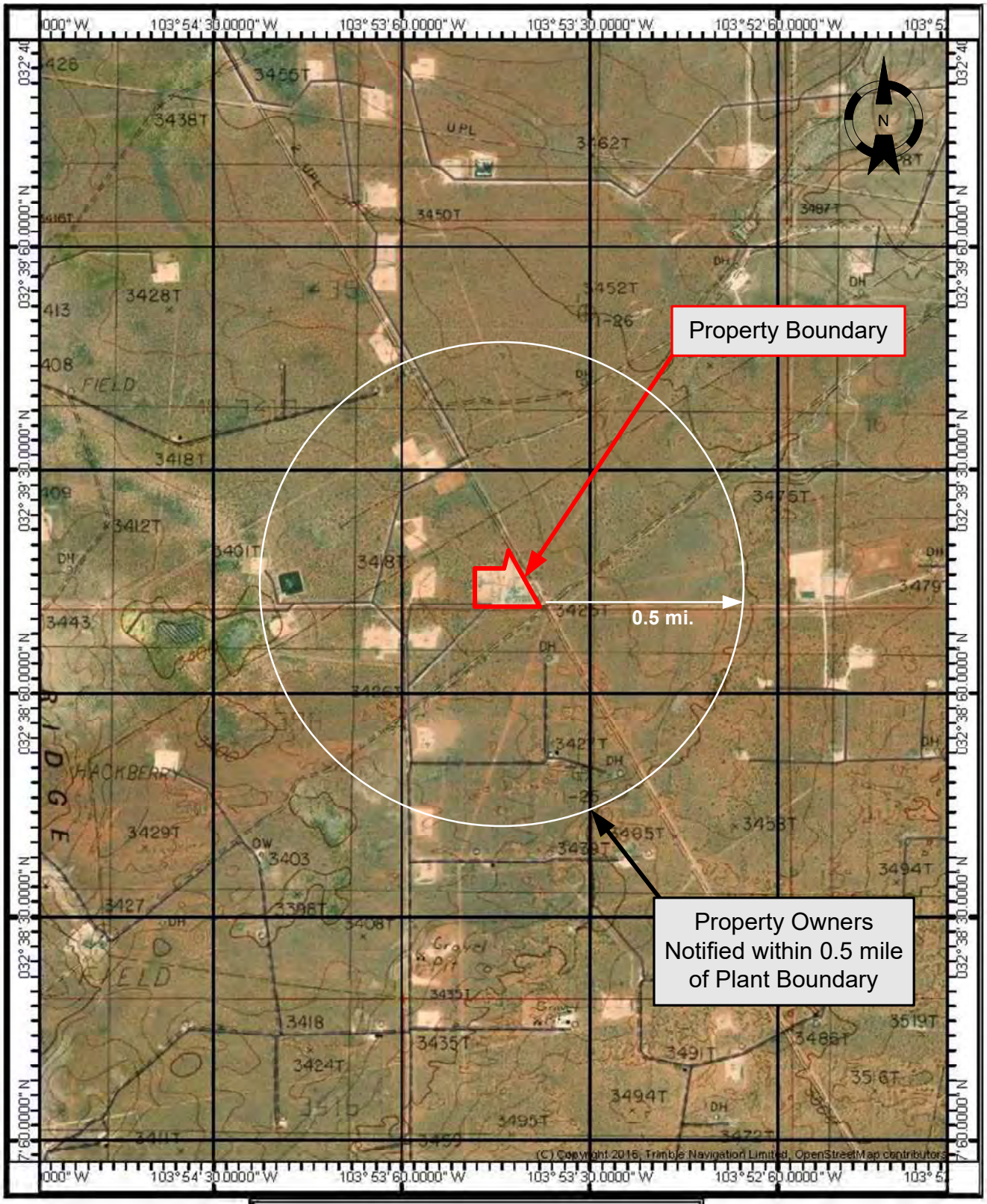
1. ☑ A copy of the certified letter receipts with post marks (20.2.72.203.B NMAC)
2. ☑ A list of the places where the public notice has been posted in at least four publicly accessible and conspicuous places, including the proposed or existing facility entrance. (e.g: post office, library, grocery, etc.)
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 for a significant permit revision is attached.

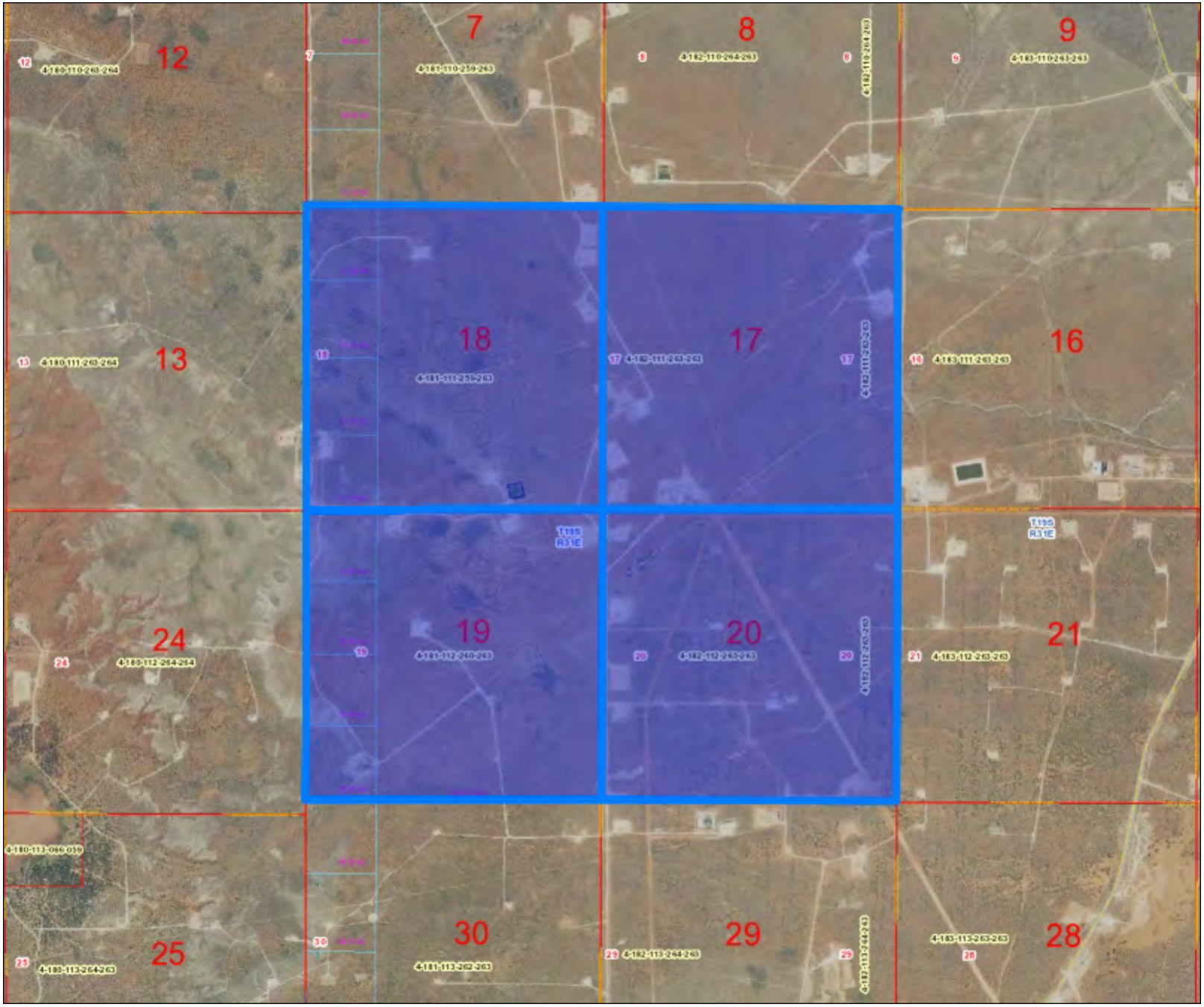
Landowners, Counties, Municipalities, Indian Tribes in which notices were sent:

Name	Mailing Address	Category of Notice
Bureau of Land Management	Pecos District Office 2909 West Second St Roswell, NM 88201-2019	Nearby Landowner
Eddy County	Eddy County Manager's Office 101 W Greene St Carlsbad, NM 88220	County
Lea County	Lea County Manager's Office 100 N. Main Ave Lovington, NM 88260	County

Note: There are no municipalities or Indian Tribes within a 10-mile radius of the facility.



ALLIANT ENVIRONMENTAL, LLC	**Public Notice Map**		**Enterprise Field Services LLC**		
Scale: **1:20,000**	Drawn by: MDF	Date: 12/29/2021	**Chaparral Gas Plant** N 32° 39' 15.06" Latitude W 103° 53' 41.54" Longitude	Project No.: 066-037	File Name: **Chaparral GP Maps**	Figure: Section 9
	Chk'd by:	Date:			



Legend

Cartography

- <all other values>
- Govt Lot Lines
- Dimension Tic
- Leader Lines
- Misc Carto
- Owner Hooks
- Sub Corners

Roads

Railroads

Water

Geographic

Section

Subdivision

Parcel

Enter Map Title...

Web Print: 12/27/2021

0 3,009 6,019 Feet

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

OBJECTID_12_13_14: 5130
UPC: 4-182-111-263-263
UPC_join: 4182111263263
ACCOUNTNUMBER: R094129
LEGALSUMMARY: Quarter: NE S: 17 T: 19S R: 31E Quarter: NW S: 17 T: 19S R: 31E Quarter: SW S: 17 T: 19S R: 31E Quarter: SE S: 17 T: 19S R: 31E ALL MAP# 160-17 LOC LOCO HILLS EXEMPT
OWNERNAME: BUREAU OF LAND MANAGEMENT
LANDACTUAL: 2880
OBJECTID_1: 64397
TAXYEAR_1: 2021
ACCOUNTNUMBER_1: R094129
SEQUENCE_R: 0
OWNER_OCCURENCE: 0
INTERNALID: C20160250195.1609484400000
DOCUMEN_TTYPE: Owner
ACTIVE_1: A
CONFIDENTIAL: 0
OWNERID_1: C20160250195
OBJECTID_12: 57729
TAXYEAR_12: 2021
ACCOUNTNUMBER_12: R094129
SEQUENCE_R_1: 0
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MODEL_TYPE: Land
ACCOUNTNUMBER_12_13: R094129
ACTUALAREA: 640
LANDCODE: 141_4_5
TAXAREA: 16O_NR
VERSIONEND_1: 9223372036854775807
VERSIONSTART_1: 1511266774264

OBJECTID_12_13_14: 5111
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UPC_join: 4181111259263
ACCOUNTNUMBER: R094130
LEGALSUMMARY: Quarter: NE S: 18 T: 19S R: 31E Quarter: NW S: 18 T: 19S R: 31E Quarter: SW S: 18 T: 19S R: 31E Quarter: SE S: 18 T: 19S R: 31E ALL MAP# 160-18 LOC LOCO HILLS EXEMPT
OWNERNAME: BUREAU OF LAND MANAGEMENT
LANDACTUAL: 2835
OBJECTID_1: 64398
TAXYEAR_1: 2021
ACCOUNTNUMBER_1: R094130
SEQUENCE_R: 0
OWNER_OCCURENCE: 0
INTERNALID: C20160250195.1609484400000
DOCUMEN_TTYPE: Owner
ACTIVE_1: A
CONFIDENTIAL: 0
OWNERID_1: C20160250195
OBJECTID_12: 57730
TAXYEAR_12: 2021
ACCOUNTNUMBER_12: R094130
SEQUENCE_R_1: 0
INTERNALID_1: R094130.LAND2766211.1511266774749
MODEL_TYPE: Land
ACCOUNTNUMBER_12_13: R094130
ACTUALAREA: 630
LANDCODE: 141_4_5
TAXAREA: 16O_NR
VERSIONEND_1: 9223372036854775807
VERSIONSTART_1: 1511266774749

OBJECTID_12_13_14: 5131
UPC: 4-182-112-263-263
UPC_join: 4182112263263
ACCOUNTNUMBER: R074663
LEGALSUMMARY: Quarter: NE S: 20 T: 19S R: 31E Quarter: NW S: 20 T: 19S R: 31E Quarter: SW S: 20 T: 19S R: 31E Quarter: SE S: 20 T: 19S R: 31E ALL MAP# 160-20 LOC W OF MM 8 SHUGART RD EXEMPT
OWNERNAME: BUREAU OF LAND MANAGEMENT
SITUS: SHUGART ROAD
LANDACTUAL: 2880
OBJECTID_1: 45740
TAXYEAR_1: 2021
ACCOUNTNUMBER_1: R074663
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OWNER_OCCURENCE: 0
INTERNALID: C20160020093.1451631600000
DOCUMEN_TTYPE: Owner
ACTIVE_1: A
CONFIDENTIAL: 0
OWNERID_1: C20160020093
OBJECTID_12: 37607
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ACCOUNTNUMBER_12: R074663
SEQUENCE_R_1: 0
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MODEL_TYPE: Land
ACCOUNTNUMBER_12_13: R074663
ACTUALAREA: 640
LANDCODE: 141_4_5
TAXAREA: CO_NR
VERSIONEND_1: 9223372036854775807
VERSIONSTART_1: 1511254930909

OBJECTID_12_13_14: 5112
UPC: 4-181-112-260-263
UPC_join: 4181112260263
ACCOUNTNUMBER: R051643
LEGALSUMMARY: Quarter: NE S: 19 T: 19S R: 31E Quarter: NW S: 19 T: 19S R: 31E Quarter: SW S: 19 T: 19S R: 31E Quarter: SE S: 19 T: 19S R: 31E ALL MAP# 160-19 LOC CARLSBAD EXEMPT
OWNERNAME: BUREAU OF LAND MANAGEMENT
LANDACTUAL: 2847
OBJECTID_1: 28466
TAXYEAR_1: 2021
ACCOUNTNUMBER_1: R051643
SEQUENCE_R: 0
OWNER_OCCURENCE: 0
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DOCUMEN_TTYPE: Owner
ACTIVE_1: A
CONFIDENTIAL: 0
OWNERID_1: C20160020093
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SEQUENCE_R_1: 0
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ACCOUNTNUMBER_12_13: R051643
ACTUALAREA: 632.7
LANDCODE: 141_4_5
TAXAREA: CO_NR
VERSIONEND_1: 9223372036854775807
VERSIONSTART_1: 1511238975428

Postings:

- Facility entrance: Chaparral Gas Plant
- Loco Hills USPS: 3 Goat Ropers Rd, Loco Hills, NM 88255
- Supply Store: 132445 Lovington Hwy, Loco Hills, NM 88255
- Artesia USPS: 201 N 4th St, Artesia, NM 88210

Radio:

KBIM 94.9 (Roswell, NM)
contest@kbimradio.com

Newspaper:

The classified/legal ad and the display ad to be published in the Artesia Daily Press

Latisha Romine: legals@artesianews.com

Landowners, Counties, Municipalities, Indian Tribes in which notices were sent:

Name	Mailing Address	Category of Notice
Bureau of Land Management	Pecos District Office 2909 West Second St Roswell, NM 88201-2019	Nearby Landowner
Eddy County	Eddy County Manager's Office 101 W Greene St Carlsbad, NM 88220	County
Lea County	Lea County Manager's Office 100 N. Main Ave Lovington, NM 88260	County

Note: There are no municipalities or Indian Tribes within a 10-mile radius of the facility.

General Posting of Notices – Certification

I Robert Dunaway, the undersigned, certify that on **1/12/2022,** posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the **city\town\village** of **Loco Hills and Artesia** in **Eddy** County, State of New Mexico on the following dates:

1. Chaparral Gas Plant 1/12/2022
2. Loco Hills USPS 1/12/2022
   3 Goat Ropers Rd, Loco Hills, NM 88255
3. Supply Store 1/12/2022
   132445 Lovington Hwy, Loco Hills, NM 88255
4. Artesia USPS 1/12/2022
   201 N 4th St, Artesia, NM 88210

Signed this 14 day of January, 2022,

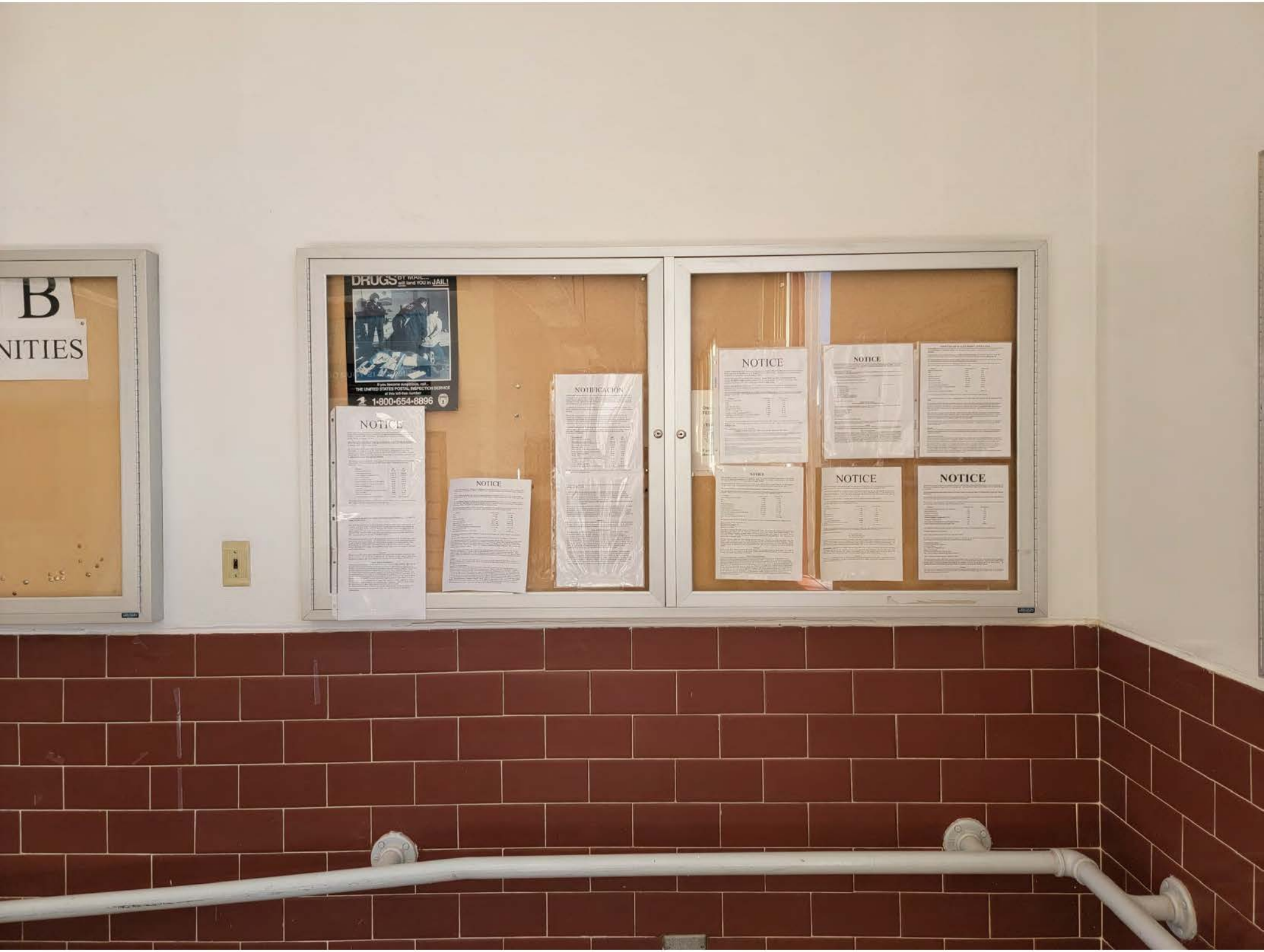
R. Dunaway
Signature

1/14/2022
Date

Robert Dunaway
Printed Name

Senior Environmental Engineer
Title {APPLICANT OR RELATIONSHIP TO APPLICANT}


Enterprise
Products
CHAPARRAL GAS PLANT
EDDY COUNTY, NEW MEXICO
SEC: 17, T19S, R31E
NM - 120711
EMERGENCY PHONE NUMBERS:
PIPELINE 1-800-203-1347
NOTICE
THIS AREA IS A
LESSER PRAIRIE CHICKEN
ZONE
NO CONSTRUCTION OR
MAINTENANCE ALLOWED
BETWEEN THE HOURS OF


B
NITIES
DRUGS BY MAIL...
will land YOU in JAIL!
1-800-654-8896
NOTICE
NOTIFICACIÓN
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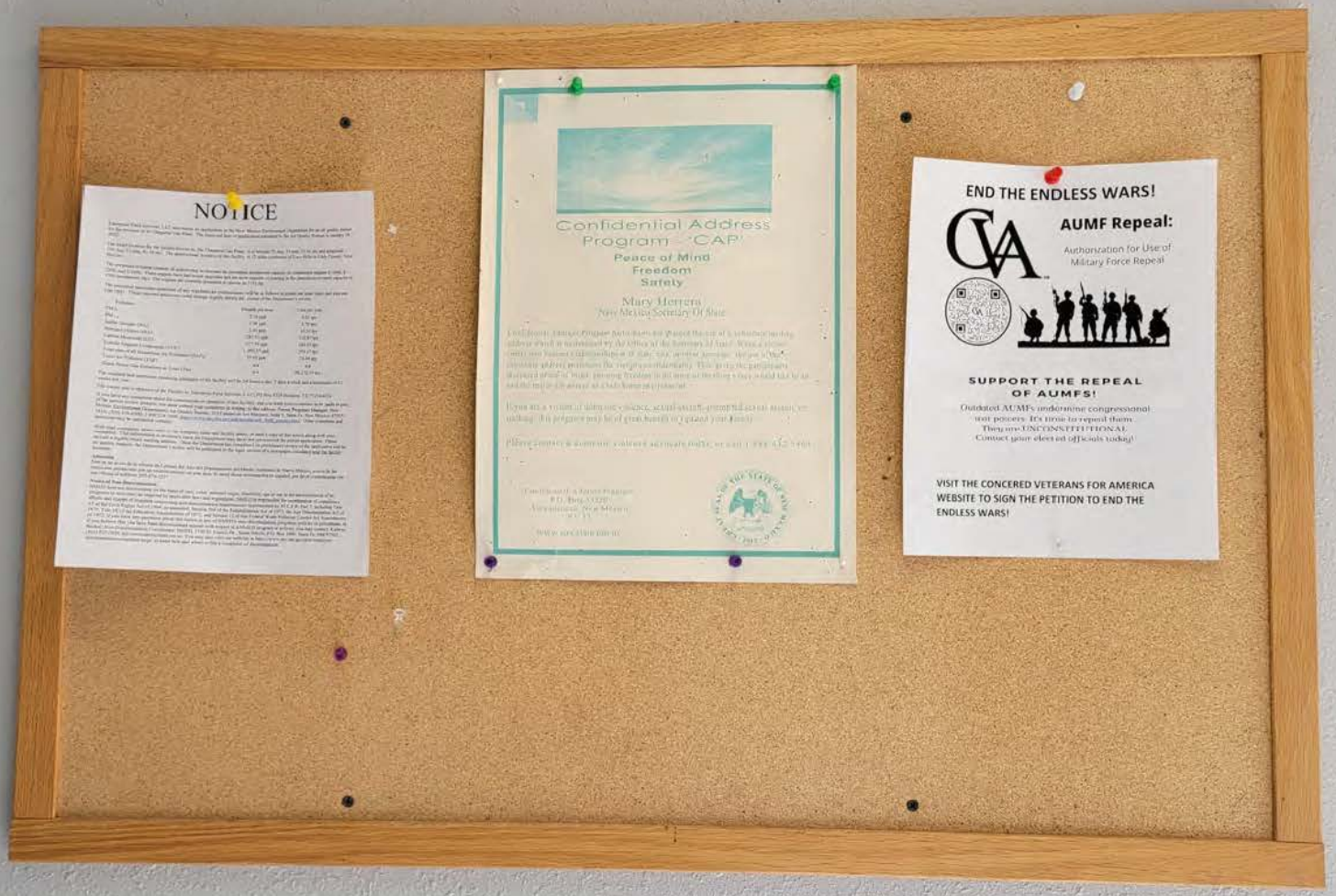
NOTICE


SPS.com
to 16%


NOTICE
Confidential Address Program - "CAP"
Peace of Mind
Freedom
Safety
Mary Herrera
New Mexico Secretary Of State
END THE ENDLESS WARS!
AUMF Repeal:
Authorization for Use of Military Force Repeal
SUPPORT THE REPEAL OF AUMFS!
Outdated AUMFs undermine congressional war powers. It's time to repeal them. They are UNCONSTITUTIONAL. Contact your elected officials today!
VISIT THE CONCERED VETERANS FOR AMERICA WEBSITE TO SIGN THE PETITION TO END THE ENDLESS WARS!


1464
THIS
BIG


1 3 2 4 4 5
VISA
$25.00
Charge for any
Hose repair
Plus fittings
If hose is not
purchased at
The Supply
Store
TUB
TOWELS
SOLD HERE
OUTDOOR
EDGE
KNIVES/TOOLS
PULL
INTERSTATE
BATTERIES
PULL

Submittal of Public Service Announcement – Certification

I, Melissa Fetman, the undersigned, certify that on **1/13/2022**, submitted a public service announcement to **radio station KBIM 94.9** that serves the City of **Carlsbad**, **Eddy** County, New Mexico, in which the source is or is proposed to be located and that **KBIM 94.9 did not respond that it would air the announcement.**

Signed this 28 day of January, 2022.

Signature

1/28/2022
Date

Melissa Fetman
Printed Name

Consultant
Title {APPLICANT OR RELATIONSHIP TO APPLICANT}

PSA to be sent to radio station is on the following page.

Dear KBIM 94.9 FM Radio:

Enterprise Field Services LLC kindly requests, according to New Mexico air quality regulations, that KBIM 94.9 FM Radio make the following public service announcement:

Enterprise Field Services LLC is applying for an NSR permit revision for their Chaparral Gas Plant located at latitude: 32 degrees, 39 minutes, 15.06 seconds and longitude: -103 degrees, 53 minutes, 41.54 seconds. The plant is approximately 12 miles southwest of Loco Hills, NM. The purpose of this revision is to authorize an increase the permitted horsepower capacity of combustion engines E-1000, E-2000, and E-5000. These engines have had recent upgrades and are now capable of running at the manufacturer-rated capacity of 1340-horsepower (hp). The engines are currently permitted to operate at 1151-hp. Public notice of this application is being posted at the facility entrance, the USPS in Loco Hills at 3 Goat Ropers Rd., the Supply Store in Loco Hills at 132445 Lovington Hwy., and also the USPS in Artesia at 201 N 4th St.

If you have any questions regarding this application, please contact the New Mexico Environmental Department, Air Quality Bureau located at 525 Camino de los Marquez, Suite 1, Santa Fe, New Mexico 87505-1816; (505) 476-4300; 1-800-224-7009.

Melissa Fetman

From: Melissa Fetman <mfetman@alliantenv.com>
Sent: Thursday, January 13, 2022 10:27 AM
To: 'contest@kbimradio.com'
Subject: PSA Request

Dear KBIM 94.9 FM Radio:

Enterprise Field Services LLC kindly requests, according to New Mexico air quality regulations, that KBIM 94.9 FM Radio make the following public service announcement:

Enterprise Field Services LLC is applying for an NSR permit revision for their Chaparral Gas Plant located at latitude: 32 degrees, 39 minutes, 15.06 seconds and longitude: -103 degrees, 53 minutes, 41.54 seconds. The plant is approximately 12 miles southwest of Loco Hills, NM. The purpose of this revision is to authorize an increase the permitted horsepower capacity of combustion engines E-1000, E-2000, and E-5000. These engines have had recent upgrades and are now capable of running at the manufacturer-rated capacity of 1340-horsepower (hp). The engines are currently permitted to operate at 1151-hp. Public notice of this application is being posted at the facility entrance, the USPS in Loco Hills at 3 Goat Ropers Rd., the Supply Store in Loco Hills at 132445 Lovington Hwy., and also the USPS in Artesia at 201 N 4th St.

If you have any questions regarding this application, please contact the New Mexico Environmental Department, Air Quality Bureau located at 525 Camino de los Marquez, Suite 1, Santa Fe, New Mexico 87505-1816; (505) 476-4300; 1-800-224-7009.

Melissa D. Fetman
Alliant Environmental, LLC
7804 Pan American Fwy. NE, Suite 5
Albuquerque, NM 87109
(C) 505.385.3407
(F) 505.771.0793
www.alliantenv.com

For Posted Notices

NOTICE

Enterprise Field Services, LLC announces its application to the New Mexico Environment Department for an air quality permit for the revision of its Chaparral Gas Plant. The expected date of application submittal to the Air Quality Bureau is January 19, 2022.

The exact location for the facility known as, the Chaparral Gas Plant, is at latitude 32 deg, 39 min, 15.06 sec and longitude -103 deg, 53 min, 41.54 sec. The approximate location of this facility is 12 miles southwest of Loco Hills in Eddy County, New Mexico.

The proposed revision consists of authorizing an increase the permitted horsepower capacity of combustion engines E-1000, E-2000, and E-5000. These engines have had recent upgrades and are now capable of running at the manufacturer-rated capacity of 1340-horsepower (hp). The engines are currently permitted to operate at 1151-hp.

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

Pollutant:	Pounds per hour	Tons per year
PM_{10}	2.16 pph	4.51 tpy
$PM_{2.5}$	0.98 pph	3.79 tpy
Sulfur Dioxide (SO_2)	2.41 pph	10.56 tpy
Nitrogen Oxides (NO_x)	287.53 pph	210.87 tpy
Carbon Monoxide (CO)	517.99 pph	165.07 tpy
Volatile Organic Compounds (VOC)	1,993.57 pph	295.17 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	25.95 pph	24.84 tpy
Toxic Air Pollutant (TAP)	n/a	n/a
Green House Gas Emissions as Total CO_2e	n/a	89,372.79 tpy

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Notice to Neighbors, Indian Tribes, Counties, and/or Municipalities

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Total Postage and Fees $4.33	
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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Carlsbad, NM 88220

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☐ Adult Signature Required $ $0.00	
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Postage $0.58	01/10/2022
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Total Postage and Fees $4.33	
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Sent To: Eddy County Manager
Street and Apt. No., or PO Box No.: 101 W. Greene St
City, State, ZIP+4®: Carlsbad, NM 88220

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

7019 0700 0001 4973 3043

U.S. Postal Service™
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Roswell, NM 88201

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☐ Adult Signature Required $ $0.00	
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Postage $0.58	01/10/2022
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Total Postage and Fees $4.33	
$	

Sent To: Bureau of Land Management
Street and Apt. No., or PO Box No.: 2909 West Second Street
City, State, ZIP+4®: Roswell, NM 88201-2019

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

January 10, 2022

CERTIFIED MAIL 7019 0700 0001 4973 3029

Dear Eddy County Manager,
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The proposed revision consists of authorizing an increase the permitted horsepower capacity of combustion engines E-1000, E-2000, and E-5000. These engines have had recent upgrades and are now capable of running at the manufacturer-rated capacity of 1340-horsepower (hp). The engines are currently permitted to operate at 1151-hp.

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Pollutant:	Pounds per hour	Tons per year
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Sulfur Dioxide (SO_2)	2.41 pph	10.56 tpy
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Volatile Organic Compounds (VOC)	1,993.57 pph	295.17 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	25.95 pph	24.84 tpy
Toxic Air Pollutant (TAP)	n/a	n/a
Green House Gas Emissions as Total CO_2e	n/a	89,372.79 tpy

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

The owner and/or operator of the Facility is: Enterprise Field Services, LLC**;** PO Box 4324 Houston, TX 77210-4324

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January 10, 2022

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For Newspaper Ads

NOTICE OF AIR QUALITY PERMIT APPLICATION

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Religion

Reasons to believe

Pastor's Corner

By Ty Houghtaling

"Jesus went throughout Galilee, teaching in their synagogues, proclaiming the good news of the kingdom, and healing every disease and sickness among the people." (Matthew 4:23).

Jesus, the son of Joseph from Nazareth, was becoming something of a celebrity in the hill country around Jerusalem. The Bible seems to paint the picture of a traveling preacher (Rabbi) who brought with him miraculous healings and the power over demonic forces.

Everything He did seemed to draw crowds of curious onlookers, as well as those who were inflicted with diseases. I can only imagine having access to an individual who has given me reason to believe that He can heal anyone of their sickness.

There was a time in my life when one of my loved ones needed healing. We traveled over 10 hours to find someone who had the expertise to heal. I'm willing to bet the farm that virtually everyone I know would do the same, if not travel even further, if they believed that the trip would take them to someone who could heal them or their loved ones.

The men and women who traveled with Jesus had every reason to believe that He could heal the sick and had authority over the demonic. They witnessed such healings. They heard the incredible teachings of this itinerating teacher. Yet, Jesus rebukes the crowd's misplaced hope in Him as a physical healer.

We find this fascinating conversation in John 6. Jesus has been traveling, teaching and healing. The crowds have grown quite large and included high-ranking local religious and civil officials. John 6:2 confirms "and a great crowd of people followed him because they saw the signs He had performed by healing the sick."

Then, in an unexpected move, Jesus performs the miracle of the multiplied loaves, feeding the crowd on what would amount to maybe a two-person meager meal. Once again, the crowds are astonished, and Jesus senses that they will want to take Him by force and make Him their king. So, He leaves. He travels to the other side of the lake and along the way "walks on water" in an additional act of authority over the physical realm.

His disciples witness the unimaginable act. They are in complete awe. Upon arriving on the other side of the lake, the crowds gather. It is here that Jesus turns from an incredible "faith healer" to so much more.

In the passage, we discover that He Himself will be the bread that gives life, that His body will be the sustenance that saves humanity from death. It is a hard teaching, and it receives a harsh criticism by the religious elites. It is still a challenging teaching, transitioning us away from our hope of physical healing to our complete and utter need for spiritual healing.

Jesus is able to heal each physical ailment according to His will. But more importantly, He still heals anyone humble enough to ask Him for forgiveness of our "sin sickness." It is our sin sickness that needs ultimate healing. The passage in John reveals much about our need for spiritual healing and how that occurs.

Spiritual healing comes when we place our faith in the One God has sent. Need a reason to believe? Read John 6 and just think through what Jesus is really saying about our need to be healed. It really is an eye-opening passage.

(EDITOR'S NOTE: Ty Houghtaling is the lead pastor at First Baptist Church. Contact him at ty@fbcartesia.org.)

NMED

(Continued from Page 1)

• Artesia Municipal Court (Public Safety Complex), 3300 W. Main St.: 1 incident

• Artesia Physical Therapy, 601 W. Mahone Drive: 1 incident

• Central Valley Electric Cooperative, 1403 N. 13th St.: 1 incident

• First American Bank, 303 W. Main St.: 1 incident

• HollyFrontier Corp. (Navajo Refining Co.), 501 E. Main St.: 1 incident

Jan. 13

• Wal-Mart, 604 N. 26th St.: 3 incidents

• HollyFrontier Corp. (Navajo Refining Co.), 501 E. Main St.: 3 incidents

• HollyFrontier Corp. (Blue Quail Shopping Center), 1602 W. Main St.: 2 incidents

• Artesia High School, 1002 W. Richardson Ave.: 1 incident

• First American Bank, 303 W. Main St.: 1 incident

• Buffalo Oilfield Supply, 11368 Lovington Hwy.: 1 incident

• ConocoPhillips, 2208 W. Main St.: 1 incident

• Adelante Services (FLETC), 1300 W. Richey Ave.: 1 incident

• Western Way Shell, 101 N. First St.: 1 incident

• New Mexico Income Support Division, 108 N. 16th St.: 1 incident

Jan. 12

• HollyFrontier Corp. (Navajo Refining Co.), 501 E. Main St.: 4 incidents

• Head Start, 504 W. Gage Ave.: 2 incidents

• HollyFrontier Corp. (Blue Quail Shopping Center), 1602 W. Main St.: 2 incidents

• Mack Energy Corp., 11344 Lovington Hwy.: 2 incidents

• City of Artesia, 511 W. Texas Ave.: 2 incidents

• Wal-Mart, 604 N. 26th St.: 1 incident

• Allsup's, 800 S. First St.: 1 incident

• Allsup's, 1910 W. Main St.: 1 incident

• HollyFrontier Renewables, 190 S. Freeman Ave.: 1 incident

• ConocoPhillips, 2208 W. Main St.: 1 incident

• Brewer Oil, 2601 W. Main St.: 1 incident

Locations currently on the NMED's Rapid Response Watchlist include

• HollyFrontier Corp. (Navajo Refining Co.), 501 E. Main St.: 40 incidents

• Wal-Mart, 604 N. 26th St.: 24 incidents

• HollyFrontier Corp. (Blue Quail Shopping Center), 1602 W. Main St.: 23 incidents

• Mack Energy Corp., 11344 Lovington Hwy.: 13 incidents

• EOG Resources, 104 S. Fourth St.: 9 incidents

• Artesia High School, 1002 W. Richardson Ave.: 6 incidents

• ConocoPhillips, 2208 W. Main St.: 6 incidents

• Adelante Services (FLETC), 1300 W. Richey Ave.: 6 incidents

• Deans Inc., 409 Commerce Road: 7 incidents

• Head Start, 504 W. Gage Ave.: 5 incidents

• First American Bank, 303 W. Main St.: 5 incidents

• Zia Intermediate School, 1100 W. Bullock Ave.: 4 incidents

The Law of the Pendulum

Pastor's Corner

By David Grousnick

In the church, most of us think of Epiphany simply as a season on the church calendar, and sometimes as a season we don't understand too well.

We may recall that during the season of Epiphany, we are celebrating particularly the revealing of Christ to the Gentile world, via the Wise Men, but not much more.

The dictionary, however, adds further dimension to the word; listen: "a sudden, intuitive perception ... into the reality or essential meaning of something, usually initiated by some simple, homely or commonplace occurrence or experience."

That definition applies in a profound and unique way to our Lord Jesus Christ. We have good reason to write his Epiphany with a capital "E" because it is not only a special day on the calendar, and a special season in the church year, but a revealing which sets the pattern for all other revelations to come.

True to the literary definition of the term, Jesus brought perception "into the reality or essential meaning." He stripped the superficial away from life and the artificial from religion. What we need, he told Nicodemus, is a new birth: not just a reformation or higher resolves, but an utterly new start.

To the woman of Samaria, he prescribed water which would satisfy the deep, eternal thirst. For the rich young ruler, he commanded a whole new set of values, a change which the man, unfortunately, was unwilling to make.

But in every case, Jesus went below the surface – down to reality.

So, let's think about reality and faith.

In 1 Corinthians 13, we are told, "Now abide these three – faith, hope and love. So, what is the reality about faith?

Christianity would not exist without it. By faith, Abraham was justified. By faith, Moses demanded before the king, "Let my people Go." By faith, Jesus said, we are able to move mountains. By faith, the Apostle Paul said, we are justified.

By faith!

There is no other way for us to come to God. We cannot reach him by our works. In that we have failed. By faith, we come and then we learn of love. When we believe that God has loved us in Christ, it is then that we are free to love others. There can be no loving action in Christianity without at least a mustard-seed-size worth of faith.

True faith will produce real love. We must first do a reality check: Do we have faith?

So, how might we discover whether someone actually does have faith?

In his book "How To Speak To Youth," Ken Davis tells of a college lesson he had to prepare for a speech class. He and his classmates were to be graded on their creativity and ability to drive home a point in a memorable way. The title of his talk was, "The Law of the Pendulum."

He spent 20 minutes carefully teaching the physical principle that governs a swinging pendulum.

The law of the pendulum is as follows: A pendulum can never return to a point higher than the point from which it was released. Because of friction and gravity, when the pendulum returns, it will fall short of its original release point. Each time it swings, it makes less and less of an arc, until finally, it is at rest.

This point of rest is called the state of equilibrium, where all forces acting on the pendulum are equal. He then attached a 3-foot string to a child's toy top and secured it to the top of the blackboard with a thumbtack. He pulled the top to one side and made a mark on the blackboard where he let it go. Each time it swung back, he made a new mark. It took less than a minute for the top to complete its swinging and come to rest.

When he finished the demonstration, the markings on the blackboard had proven his thesis. He then asked how many people in the room BELIEVED the law of the pendulum was true. All in the class raised their hands, and so did the teacher.

The teacher started to walk to the front of the room, thinking the class was over. In reality, it had just begun.

Hanging from the steel ceiling beams in the middle of the room, Ken had fashioned a large, crude but functional pendulum (250 pounds of metal weights tied to four strands of 500-pound test parachute cord). He then invited the teacher to climb up on a table and sit in a chair with the back of his head against a cement wall.

Ken brought the 250 pounds of metal up to his nose. Holding the huge pendulum just a fraction of an inch from his face, he once again explained the law of the pendulum to the teacher who had applauded only moments before: "If the law of the pendulum is true, then when I release this mass of metal, it will swing across the room and return short of the release point. Your nose will be in no danger."

After that final restatement of this law, he looked the teacher in the eye and asked, "Sir, do you believe this law is true?"

There was a long pause. Huge beads of sweat had formed on the teacher's upper lip, and then weakly, he nodded and whispered, "Yes."

Ken released the pendulum. It made a swishing sound as it arced across the room. At the far end of its swing, it paused momentarily and started back.

Ken Davis said he never saw a man move so fast in his life. He literally dove from the table.

Deftly stepping around the still-swinging pendulum, Ken asked the class, "Does he believe in the law of the pendulum?"

The students resounding response was, "NO!"

So, how is your faith?

We invite you to come and join us for worship at First Christian Church. Seek us out Sunday mornings at 11th Street and Bullock Avenue, across the street from Zia Intermediate School. We start at 10:30 a.m. Dress is casual. Hope to see you soon!

Have a great weekend!

(EDITOR'S NOTE: David Grousnick is the pastor of First Christian Church.)

Bank

(Continued from Page 1)

Following the combination with First American, our customers will realize the benefit of an expanded offering of products, services and resources."

Upon completion of the merger, First American will have 21 branches serving New Mexico and Texas and is anticipated to have assets in excess of approximately $1.9 billion.

First Artesia was advised by Hilworth, LLC, as financial advisor and Gerrish Smith Tuck, PC, as its legal counsel. SUBI was advised by The Bank Advisory Group as financial advisor and Hunton Andrews Kurth LLP as its legal counsel.

Help

(Continued from Page 1)

... state services are not affected by this effort.

"Our schools are a critical source of stability for our kids – we know they learn better in the classroom and thrive among their peers," said Lujan Grisham. "Our kids, our teachers and our parents deserve as much stability as we can provide during this time of uncertainty, and the state stands ready to help keep kids in the classroom, parents able to go to work and teachers able to fully focus on the critical work they do every single day in educating the next generation."

By bringing multiple agencies and school districts together to facilitate the licensure processes for substitute teachers and child care workers, the initiative will allow state workers to use administrative leave to work in schools and child care programs with staffing shortages. The additional staffing will allow schools to avoid the disruptive process of switching between remote and in-person learning and prevent child care programs from having to shut down altogether.

Currently, many schools are being forced to shift to online learning and child care facilities are being forced to temporarily close when staff members test positive for COVID-19 or are identified as close contacts and must isolate or quarantine for 5 days. The goal of the state's effort is to ensure these establishments have the staffing resources to temporarily fill in during these gaps. Since winter break, around 60 school districts and charter schools have moved into remote learning. Since the beginning of the year, 75 child care centers have partially or completely closed due to staffing shortages.

The initiative was announced at Santa Fe High School, which is currently operating under a remote model due to a lack of substitute teachers.

"We've heard from multiple districts that a lack of substitute teachers is among the most critical staffing issues right now, and they've asked for the state's support," said Public Education Secretary Kurt Steinhaus. "This is state government at its best, and we are ready to step up to support our teachers, who have been on the front lines of the pandemic for nearly two years now, by increasing the state's pool of substitute teachers."

NOTICE OF AIR QUALITY PERMIT APPLICATION

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The exact location for the facility known as, the Chaparral Gas Plant, is at latitude 32 deg, 39 min, 15.06 sec and longitude -103 deg, 53 min, 41.54 sec. The approximate location of this facility is 12 miles southwest of Loco Hills in Eddy County, New Mexico.

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

Pollutant:	Pounds per hour	Tons per year
PM 10	2.16 pph	4.51 tpy
PM 2.5	0.98 pph	3.79 tpy
Sulfur Dioxide (SO2)	2.41 pph	10.56 tpy
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Total sum of all Hazardous Air Pollutants (HAPs)	25.95 pph	24.84 tpy
Toxic Air Pollutant (TAP)	n/a	n/a
Green House Gas Emissions as Total CO2e	n/a	89,372.79 tpy

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

The owner and/or operator of the Facility is: Enterprise Field Services, LLC; PO Box 4324 Houston, TX 77210-4324

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.

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

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Notice of Non-Discrimination

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

WORD SCRAMBLE

Rearrange the letters to spell something pertaining to restaurants.

RSDKIN

Answer: Drinks

Legal Notice

NOTICE

MEWBOURNE OIL COMPANY announces its intent to apply to the New Mexico Environment Department for an air quality General Construction Permit, **(GCP-Oil and Gas).** The names of these facilities are **FNR FED UNIT BATTERY #2, LOCO HILLS 2/1 B2GH FED COM #1H BATTERY, LOCO HILLS 2-4 BATTERY, BONANZA 22-15 W0GB STATE COM 1H BATTERY.** The expected date of the submittal of our Registration for an air quality permit to the Air Quality Bureau is **January 28, 2022.** This notice is a requirement according to New Mexico air quality regulations.

The exact initial location of **FNR FED UNIT BATTERY #2** will be **"UTM Zone 13, UTM Easting 603058, UTM Northing 3574890"** The approximate location of this site is **11.5 miles East of Loving in Eddy County.** The standard operating schedule of this facility will be continuous.

The exact initial location of **LOCO HILLS 2/1 B2GH FED COM #1H BATTERY is "UTM Zone 13, UTM Easting 599162.08, UTM Northing 3627316.78"** The approximate location of this site is **3.53 miles Southeast of Loco Hills in Eddy County.** The standard operating schedule of this facility will be continuous.

The exact initial location of the **LOCO HILLS 2-4 BATTERY will be "UTM Zone 13, UTM Easting 599121, UTM Northing 3626880"** The approximate location of this site is **3.6 miles Southeast of Loco Hills in Eddy County.** The standard operating schedule of this facility will be continuous.

The exact initial location of **BONANZA 22-15 W0GB STATE COM 1H BATTERY will be "UTM Zone 13, UTM Easting 587574, UTM Northing 3553700"** The approximate location of this site is **7.3 miles South of Malaga in Eddy County.** The standard operating schedule of this facility will be continuous.

Air emissions of any regulated air contaminant will be less than or equal to:

	Tons per year (TPY)
1. Nitrogen Oxides (NOx)	95
2. Carbon Monoxide (CO)	95
3. Volatile Organic Compounds (VOC) (s:ack)	95
4. Particulate Matter (PM10)	25
5. Particulate Matter (PM2.5)	25
6. Sulfur Dioxide (SO2)	95
7. Hydrogen Sulfide (H2S)	25
8. Any one (1) Hazardous Air Pollutant (HAP)	<10
9. Sum of all Hazardous Air Pollutants (HAPs)	<25

The owner and/or operator of the Plant is:
Mewbourne Oil Company, P.O. Box 5270 Hobbs, NM 88241

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

New Mexico Environment Department
Air Quality Bureau Permit Section
525 Camino de los Marquez, Suite 1
Santa Fe, New Mexico, 87505
Phone (505) 476-4300
Fax (505) 476-4375

Other comments and questions may be submitted verbally.

Please refer to the company name and site name, as used in this notice or send a copy of this notice along with your comments, since the Department may not have received the permit Registration at the time of this notice.

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Published in the Artesia Daily Press, Artesia, N.M., Jan. 20, 2022 Legal No. 25999.

Legal Notice

STATE OF NEW MEXICO
COUNTY OF EDDY
FIFTH JUDICIAL DISTRICT COURT

IN THE MATTER OF THE PETITION
FOR NAME CHANGE BY
Kevin Valles
Petitioner. No. D-503-CV-2021-937

NOTICE OF CHANGE OF NAME

NOTICE IS GIVEN as required by NMSA 1978, 40-8-1 to 40-8-3 that the Petition for Name Change of the Petitioner Kevin Valles, shall come before the Honorable Jane Shuler-Gray, District Judge of the Fifth Judicial District, Eddy County, New Mexico at the Eddy County Courthouse, 102 N. Canal, Carlsbad, New Mexico 88220 at 10:30 am on the 31st day of January 2022, where the Petitioner will request entry of an Order Changing Name changing the Petitioner's name from Kevin Valles to Kevin Colmenero Valles.

KAREN CHRISTESSON
CLERK OF THE DISTRICT COURT
/s/
Deputy Clerk/Clerk

Submitted by:
Kevin Valles
Published in the Artesia Daily Press, Artesia, N.M., January 13, 20, 2022 Legal No. 25997.

Legal Notice

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Published in the Artesia Daily Press, Artesia, N.M., Jan. 20, 2022 Legal No. 26000.

Guess Who?

I am a singer born in New York on January 25, 1981. I studied at the Professional Performing Arts School. I am the first singer to receive five Grammy Awards at once after releasing my debut album. I also sang on a Jay Z New York-themed song.

Answer: Alicia Keys

Legal Notice

SECOND JUDICIAL DISTRICT COURT
COUNTY OF EDDY
STATE OF NEW MEXICO

No. D503-CV-2021-971

IN THE MATTER OF THE PETITION OF
CJ Hardt
FOR CHANGE OF NAME

NOTICE OF PETITION TO CHANGE NAME

NOTICE IS GIVEN that CJ Hardt, Resident of the City of Artesia, County of Eddy , State of New Mexico has filed a Petition to Change Name in the Second Judicial District Court, Eddy County, New Mexico, wherein he/she seeks to change his/her name as follows:
Current Name CJ Hardt
Proposed Name Christy Janelle Hardt.

This Petition will be heard before the Honorable Eileen P. Riordan District Judge, on the 24th day of February 2022 at the hour of 1:30pm at the Eddy County Courthouse.

Submitted by:
CJ Hardt

Published in the Artesia Daily Press, Artesia, N.M., January, 13, 20, 2022 Legal No. 25995.

Legal Notice

STATE OF NEW MEXICO
COUNTY OF EDDY
FIFTH JUDICIAL DISTRICT COURT

No. D-503-CV-2021-00150

NEW REZ LLC D/B/A SHELLPOINT MORTGAGE SERVICING,

Plaintiff,

vs.

AMY CHRISTIANSEN AND ANNA ARREDONDO,

Defendants.

NOTICE OF SALE

NOTICE IS HEREBY GIVEN that on February 22, 2022, at the hour of 1:00 PM, the undersigned Special Master, or his designee, will, at the front entrance of the Eddy County Courthouse, at 102 North Canal, Carlsbad, NM 88220, sell all of the rights, title, and interests of the above-named Defendant(s), in and to the hereinafter described real property to the highest bidder for cash. The property to be sold is located at 71 Heath St, Artesia, New Mexico 88210, and is more particularly described as follows:

Lot 24 in Block 5 of SHERRELL ACRES, a subdivision in the NW1/4 and N1/2SW1/4 of Section 32, Township 17 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, as the same appears on the official, filed plat thereof on file in the Office of the County Clerk of Eddy County, New Mexico.

including a 1998 Crestridge, Vehicle Identification No. CRH1TX8580AB, (hereinafter the "Property"). If there is a conflict between the legal description and the street address, the legal description shall control.

The foregoing sale will be made to satisfy a foreclosure judgment rendered by this Court in the above-entitled and numbered cause on November 19, 2021, being an action to foreclose a mortgage on the Property. Plaintiff's judgment is in the amount of $120,724.87, and the same bears interest at the rate of 5.25% per annum, accruing at the rate of $17.36 per diem. The Court reserves entry of final judgment against Defendants, Amy Christiansen and Anna Arredondo, for the amount due after foreclosure sale, including interest, costs, and fees as may be assessed by the Court. Plaintiff has the right to bid at the foregoing sale in an amount equal to its judgment, and to submit its bid either verbally or in writing. Plaintiff may apply all or any part of its judgment to the purchase price in lieu of cash.

In accordance with the Court's decree, the proceeds of sale are to be applied first to the costs of sale, including the Special Master's fees, and then to satisfy the above-described judgment, including interest, with any remaining balance to be paid unto the registry of the Court in order to satisfy any future adjudication of priority lienholders.

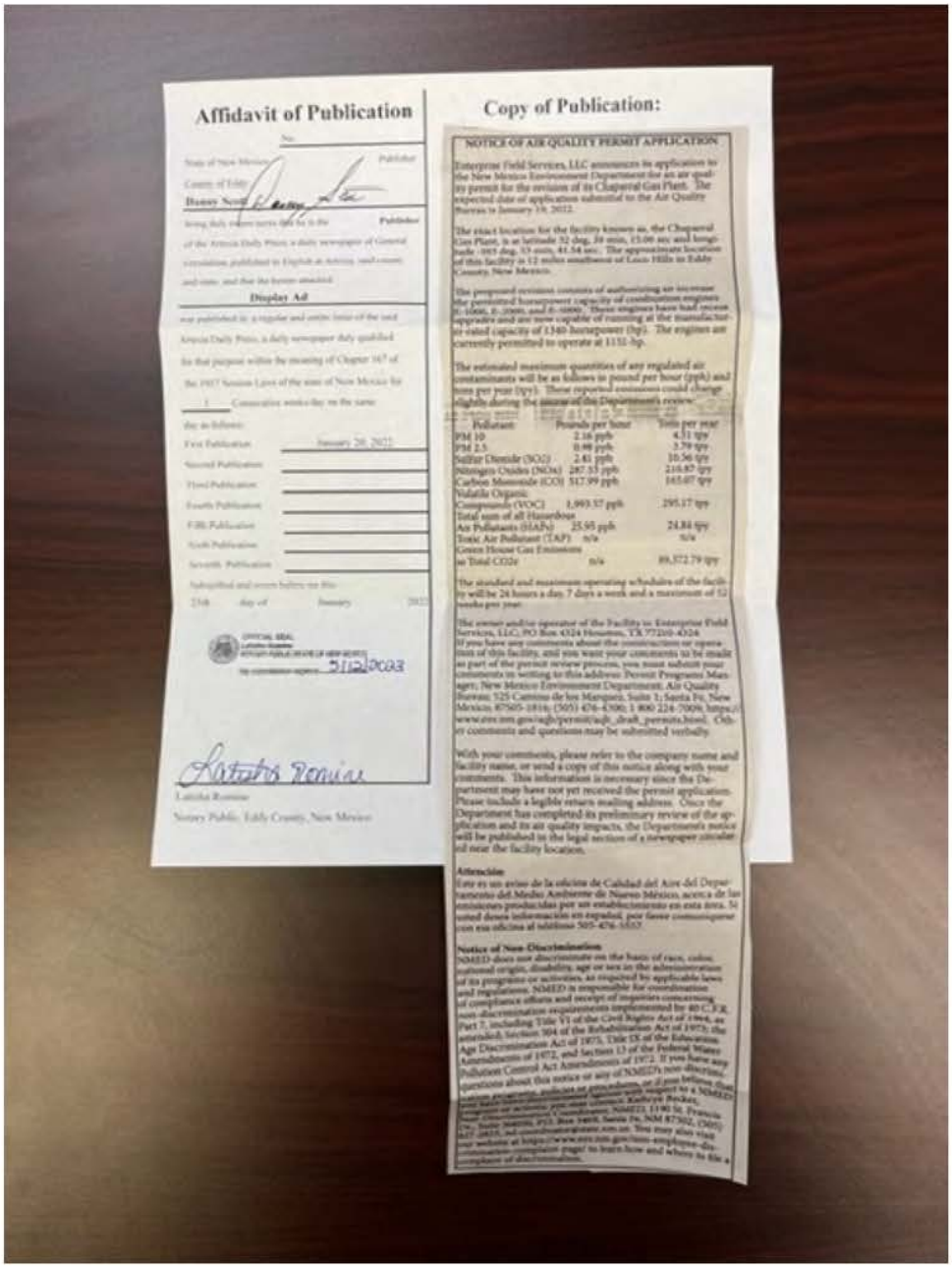
NOTICE IS FURTHER GIVEN that in the event that the Property is not sooner redeemed, the undersigned Special Master will, as set forth above, offer for sale and sell the Property to the highest bidder for cash or equivalent, for the purpose of satisfying, in the adjudged order of priorities, the judgment and decree of foreclosure described herein, together with any additional costs and attorney's fees, including the costs of advertisement and publication for the foregoing sale, and, reasonable receiver and Special Master's fees in an amount to be fixed by the Court. The amount of the judgment due is $120,724.87, plus interest to and including date of sale in the amount of $4,704.56, for a total judgment of $125,429.43.

The foregoing sale may be postponed and rescheduled at the discretion of the Special Master, and is subject to all taxes, utility liens and other restrictions and easements of record, and subject to a one (1) month right of redemption held by the Defendant(s) upon entry of an order approving sale, an order of the Court approving the terms and conditions of sale.

Witness my hand this 23rd day of December, 2021.

/s/ David Washburn
DAVID WASHBURN, Special Master
8100 Wyoming Blvd NE
Suite M-4, Box 272
Albuquerque, NM 87113
Telephone: (505) 318-0300
E-mail: sales@nsi.legal

Published in the Artesia Daily Press, Artesia, N.M., Dec. 30, 2021, Jan 6, 13, 20, 2022 Legal No. 25979.



Affidavit of Publication

No.

State of New Mexico } Publisher
County of Eddy }

Danny Scott

being duly sworn says that he is the **Publisher** of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

Display Ad

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/day on the same day as follows:

First Publication	January 20, 2022
Second Publication	
Third Publication	
Fourth Publication	
Fifth Publication	
Sixth Publication	
Seventh Publication	

Subscribed and sworn before me this 21st day of January 2022

OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires: 5/12/2023

Latisha Romine

Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

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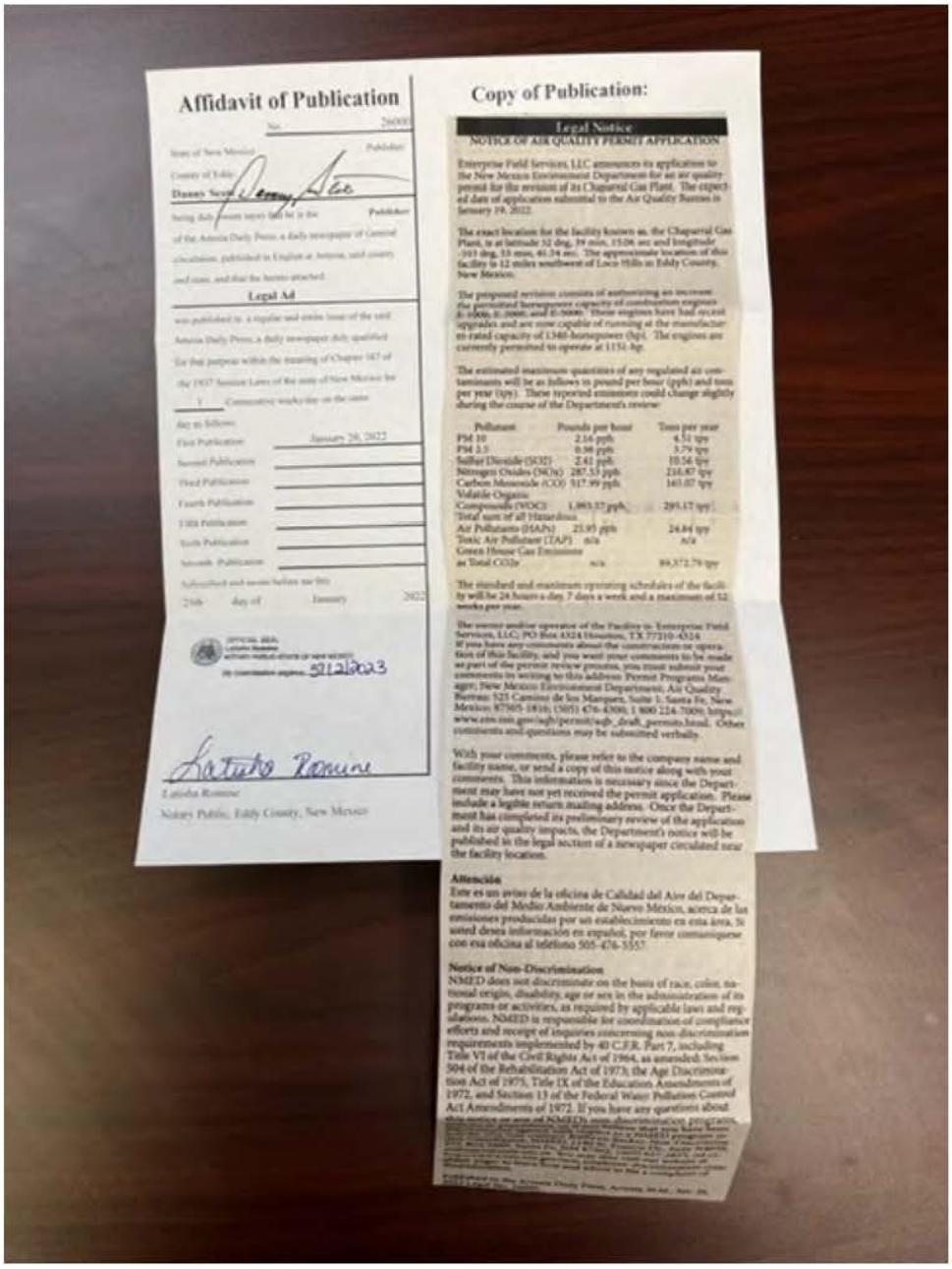
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-476-4302

Notice of Non-Discrimination

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that discrimination has occurred in connection with any program or activity, please contact NMED's Kathryn Becker, Equal Opportunity Coordinator, NMED, 1190 St. Francis Drive, Suite N4071, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nmed.eeoinquiries@state.nm.us. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.



Affidavit of Publication

No. 26008

State of New Mexico } Publisher
County of Eddy }

Danny Scott

being duly sworn says that he is the Publisher of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Ad

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/day on the same day as follows:

First Publication January 20, 2022
Second Publication
Third Publication
Fourth Publication
Fifth Publication
Sixth Publication
Seventh Publication

Subscribed and sworn before me this:
25th day of January 2022

OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO
My Commission expires: 5/12/2023

Latisha Romine

Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

Legal Notice
NOTICE OF AIR QUALITY PERMIT APPLICATION

Enterprise Field Services, LLC announces its application to the New Mexico Environment Department for an air quality permit for the revision of its Chaparral Gas Plant. The expected date of application submittal to the Air Quality Bureau is January 19, 2022.

The exact location for the facility known as the Chaparral Gas Plant, is at latitude 32 deg, 39 min, 15.04 sec and longitude -103 deg, 53 min, 40.34 sec. The approximate location of this facility is 12 miles southwest of Loco Hills in Eddy County, New Mexico.

The proposed revision consists of authorizing an increase the permitted horsepower capacity of combustion engines E-1000, E-2000, and E-5000. These engines have had recent upgrades and are now capable of running at the manufacturer-rated capacity of 1340 horsepower (hp). The engines are currently permitted to operate at 1134 hp.

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

Pollutant	Pounds per hour	Tons per year
PM 10	2.16 pph	4.51 tpy
PM 2.5	0.98 pph	1.79 tpy
Sulfur Dioxide (SO2)	2.41 pph	10.56 tpy
Nitrogen Oxides (NOx)	287.53 pph	216.87 tpy
Carbon Monoxide (CO)	517.99 pph	161.07 tpy
Volatile Organic Compounds (VOC)	1,993.57 pph	295.17 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	25.95 pph	24.84 tpy
Toxic Air Pollutant (TAP)	n/a	n/a
Green House Gas Emissions as Total CO2e	n/a	89,372.79 tpy

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

The owner and/or operator of the Facility is: Enterprise Field Services, LLC; PO Box 4324 Houston, TX 77210-4324

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.

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

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

Notice of Non-Discrimination
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Published in the Artesia Daily Press, Artesia, N.M., Jan. 20,

Section 10

Written Description of the Routine Operations of the Facility

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

A mixture of natural gas, condensate, and water enter the facility via pipeline and is sent through a three-phase inlet separator. Condensate liquids are sent to 300-bbl condensate tanks (TK-1, TK-2). The natural gas is then compressed by the inlet compressor(s). One lean burn engine (unit 6000) drives compression for a low-pressure field natural gas stream and is a dedicated inlet compression unit. The other 5 engines (units 1000- 5000 and 7000) drive compressors with the capability to operate as either inlet or residue gas compressors.

The natural gas is sent through a tri-ethylene glycol (TEG) dehydrator (Unit DEHY-1) where moisture is removed from the gas. The dehydrator is equipped with a BTEX Buster control device that routes all non-condensable vapor to either the reboiler firebox, the glowplug, or the flare. The gas is further dried using a mole sieve dehydrator (unit MOLE-1). The gas is then thermally processed in a cryogenic unit (unit CRYO) to remove hydrocarbon liquids. The hydrocarbon liquids are treated in an amine unit for removal of CO_2. The resulting residue gas is compressed for transport via pipeline by the residue gas compressor(s). The Y-grade natural gas liquids are removed from the facility by pipeline. Condensate from the 300-bbl condensate tanks is removed from the facility by truck. The flare is used as a control device during normal operation; for SSM emissions from facility-wide blow down and compressor blowdowns; and during upset events.

Gas will be sent to the TEG dehydrator (unit DEHY-2) to remove water. After the water has been removed, the gas will be sent to the mechanical refrigeration unit (unit MRU) where Y-grade liquids will be removed from the gas. The Y-grade liquids will be sent to the stabilizer. Gas off the stabilizer will be captured by VRU-1 and routed back to the inlet. The gas off of the MRU will either tie in to the existing residue gas line or routed back to the inlet of the exiting cryogenic unit, where it will be further treated. The Y-grade liquids from the MRU will tie into the existing facility pipeline and for removal from the facility.

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)**:**

Chaparral Gas Plant – a list of emission sources is included in the Section 2 Tables.

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

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

☑ **Yes** ☐ **No**

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

☑ **Yes** ☐ **No**

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

☑ **Yes** ☐ **No**

C. Make a determination:

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

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

Section 12

Section 12.A

PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

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

A. This facility is:

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

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

a. **NOx: 8.13 TPY**
b. **CO: 7.14 TPY**
c. **VOC: 2.35 TPY**
d. **SOx: 0.27 TPY**
e. **PM: 0.18 TPY**
f. **PM10: 0.18 TPY**
g. **PM2.5: 0.18 TPY**
h. **Fluorides: N/A**
i. **Lead: N/A**
j. **Sulfur compounds (listed in Table 2): 0 TPY**
k. **GHG: 2,466.80 TPY**

Note: There is no de-bottlenecking associated with this project. The site will continue to operate at it's currently permitted throughputs.

C. **Netting is not required as this project is not considered a PSD major stationary source by itself.**

D. **BACT** is **not required for this modification, as this application does not trigger a PSD determination.**

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.
This site is not an existing PSD source and this project does not constitute a major stationary source by itself.

Section 13

Determination of State & Federal Air Quality Regulations

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

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

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

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

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

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

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

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

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

Table for STATE REGULATIONS:

STATE REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Facility	If subject, this would normally apply to the entire facility. 20.2.3 NMAC is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentration of Total Suspended Particulates, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. Title V applications, see exemption at 20.2.3.9 NMAC
20.2.7 NMAC	Excess Emissions	Yes	Facility	If subject, this would normally apply to the entire facility. If your entire facility or individual pieces of equipment are subject to emissions limits in a permit or numerical emissions standards in a federal or state regulation, this applies. This would not apply to Notices of Intent since these are not permits.
20.2.23 NMAC	Fugitive Dust Control	No	N/A	This regulation does not apply as the facility has no need to incorporate fugitive dust control measures as the facility does not generate enough emissions. As of January 2019, the only areas of the State subject to a mitigation plan per 40 CFR 51.930 are in Doña Ana and Luna Counties. As this site is located in Eddy County a mitigation plan is not required.
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	**This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers.** This facility does not have gas burning equipment (external combustion emission sources, such as gas fired boilers and heaters) having a heat input of greater than 1,000,000 million British Thermal Units per year per unit. The facility is not subject to this regulation and does not have emission sources that meet the applicability requirements under 20.2.33.108 NMAC.
20.2.34 NMAC	Oil Burning Equipment: NO_2	No	N/A	**This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers.** This facility does not have oil burning equipment (external combustion emission sources, such as oil fired boilers and heaters) having a heat input of greater than 1,000,000 million British Thermal Units per year per unit. 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	No	N/A	This regulation could apply to existing (prior to July 1, 1974) or new (on or after July 1, 1974) natural gas processing plants that use a Sulfur Recovery Unit to reduce sulfur emissions. This site is not subject to the requirements of this regulation as it does not process sour gas.
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	N/A	N/A	**These regulations were repealed by the Environmental Improvement Board. If you had equipment subject to 20.2.37 NMAC before the repeal, your combustion emission sources are now subject to 20.2.61 NMAC.**
20.2.38 NMAC	Hydrocarbon Storage Facility	No	TK-1, TK-2, and TK-3	There are three 300-bbl tanks at this facility, which do not meet the capacity or throughput thresholds to be subject to this regulation. [20.2.38.109 NMAC] [20.2.38.112 NMAC]

STATE REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	This regulation could apply to sulfur recovery plants that are not part of petroleum or natural gas processing facilities.
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	ECD-1, FLARE, C-1000 to C-7000	This regulation that limits opacity to 20% applies to Stationary Combustion Equipment, such as engines, boilers, heaters, and flares unless your equipment is subject to another state regulation that limits particulate matter such as 20.2.19 NMAC (see 20.2.61.109 NMAC). This regulation is applicable to units ECD-1, FLARE, C-1000 to C-7000
20.2.70 NMAC	Operating Permits	Yes	Facility	The facility is subject to this regulation because the source is a Title V major source. This site operates under TV Permit number P264.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	This regulation establishes a schedule of operating permit emission fees. The facility is subject to 20.2.70 NMAC and in turn subject to 20.2.71 NMAC.
20.2.72 NMAC	Construction Permits	Yes	Facility	This regulation establishes the requirements for obtaining a construction permit. The facility is a stationary source that has potential emission rates greater 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. Therefore, this facility is subject to 20.2.72 NMAC and complies with NSR Permit 3662-M8-R5.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	The facility is a Title V major source and must meet the requirements of 20.2.73.300 NMAC for emissions inventory reporting.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	No	Facility	This regulation establishes requirements for obtaining a prevention of significant deterioration permit. This facility is a PSD minor source. Accordingly, this regulation does not apply.
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	This regulation establishes a schedule of operating permit emission 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	Yes	ECD-1, CRYO, MRU, CVRU-1, FUG-1, FUG-2, FLARE, C-1000 to C-7000	This regulation establishes state authority to implement new source performance standards (NSPS) for stationary sources as amended in the Federal Register through September 23, 2013. This is a stationary source which is subject to the requirements of 40 CFR Part 60, Subparts A, KKK, and OOOO, therefore, 20.2.77 NMAC applies.
20.2.78 NMAC	Emission Standards for HAPS	No	N/A	This regulation establishes state authority to implement emission standards for hazardous air pollutants subject to 40 CFR Part 61. In the event of asbestos demolition, NESHAP M may apply, making 20.2.78 NMAC applicable.
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	This regulation establishes the requirements for obtaining a nonattainment area permit. The facility is not located in a non-attainment area and therefore is not subject to this regulation.
20.2.80 NMAC	Stack Heights	No	N/A	This regulation establishes requirements for the evaluation of stack heights and other dispersion techniques. This regulation does not apply as all stacks at the facility follow good engineering practice

STATE REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	ECD-1, E-1000 to E-7000, E-VRU-1, DEHY-1, DEHY-2	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. The facility is an area source of HAPs with two applicable MACT standards (MACT HH and MACT ZZZZ).

Table for FEDERAL REGULATIONS:

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
40 CFR 50	NAAQS	Yes	Facility	This regulation defines national ambient air quality standards. The facility meets all applicable national ambient air quality standards for NOx, CO, SO_2, H_2S, PM_{10}, and $PM_{2.5}$ under this regulation.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	ECD-1, CRYO, MRU, FLARE, FUG-1, FUG-2, P24A, P24B, C-1000, To C-7000	This regulation defines general provisions for relevant standards that have been set under this part. The units listed are subject to or potentially subject to this regulation as they are subject to another rule under this part.
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for **Electric Utility Steam Generating Units**	No	N/A	This regulation establishes standards of performance for electric utility steam generating units. This regulation does not apply because the facility does not operate any electric utility steam generating units.
NSPS 40 CFR60.40b Subpart Db	**Electric Utility Steam Generating Units**	No	N/A	This regulation establishes standards of performance for industrial-commercial-institutional steam generating units. This regulation does not apply because the facility does not operate any industrial-commercial-institutional steam generating units.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	No	N/A	Potentially subject units are the reboiler heaters and the mole sieve regen heater. However, these units have a heat input less than 10 MMBtu/hr and, therefore, are not subject to this regulation.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	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	No	N/A	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. The tanks at the facility are three (3) 300-bbl (37,800 gallons). The capacities of the tanks at the facility are less than 40,000 gallons regulatory threshold, thus this regulation does not apply to these tanks. [40 CFR Part 60.110a(a)]
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for **Volatile Organic Liquid Storage Vessels** (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced **After** July 23, 1984	No	N/A	This regulation establishes performance standards for volatile organic liquid storage vessels (including petroleum liquid storage vessels) for which construction, reconstruction, or modification commenced after July 23, 1984. The tanks at the facility have a capacity of 300-bbl (12,600 gallons or 48 m^3) each. Because the capacity of each tank is less than 75 m^3, this regulation does not apply. [60.110b(a)]
NSPS 40 CFR 60.330 Subpart GG	**Stationary Gas Turbines**	No	N/A	This regulation establishes standards of performance for stationary gas turbines with a heat input at a peak load equal to or greater than 10 MMBtu/hr based on the lower heating value of the fuel fired and have commenced construction, modification, or reconstruction after October 3, 1977. This regulation is not applicable as this facility does not have any stationary gas turbines.
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from **Onshore Gas Plants**	Yes	FUG-1, C-1000, C-2000, C-3000, C-4000, C-5000, C-6000, C-7000, C-VRU1	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. The group of all equipment (each pump, pressure relief device, open-ended valve or line, valve, compressor, and flange or other connector that is in VOC service or in wet gas service, and any device or system required by this subpart) except compressors (defined in § 60.631) within a process unit is an affected facility. CRYO unit is subject to NSPS KKK. Units C-1000 through C-6000 are compressors in wet gas service and are subject to the provisions of this subpart.
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for **Onshore Natural Gas Processing**: SO_2 Emissions	No	N/A	This regulation establishes standards of performance for SO_2 emissions from onshore natural gas processing for which construction, reconstruction, or modification of the amine sweetening unit commenced after January 20, 1984 and on or before August 23, 2011. This regulation does not apply as the facility does not process natural gas with a H_2S concentration greater than 4 ppmv.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
NSPS 40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction, modification or reconstruction commenced after August 23, 2011 and before September 18, 2015	Yes	P24A, P24B, C-1, MRU, FUG-2	This regulation establishes emission standards and compliance schedules for the control of volatile organic compounds (VOC) and sulfur dioxide (SO_2) emissions from affected facilities that commence construction, modification or reconstruction after August 23, 2011. This facility is not located in the oil and natural gas production segment, as defined by this regulation. In addition, Units TK-1, TK-2 and TK-3 are not subject to NSPS Subpart OOOO because they commenced construction prior to August 23, 2011. Therefore, they are not subject to this regulation. Units P24A and P24B are centrifugal pumps that are a source of fugitive emissions and are subject to the requirements of NSPS OOOO. The fugitive equipment associated with unit MRU is expected to be monitored under this subpart.
NSPS 40 CFR Part 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	No	N/A	No fugitive components are subject to this rule as the site did not have any construction, modifications, or reconstruction commence after September 18, 2015.
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	No	N/A	This facility does not operate any stationary compression ignition internal combustion engine, therefore it is not subject to this regulation.
NSPS 40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	Yes	E-1000	This regulation establishes standards of performance for stationary spark ignition combustion engines. Engine E-1000 must comply with Subpart JJJJ requirements as it was manufactured after January 1, 2008 and constructed after June 12, 2006. Other engines (E-2000 and E-5000) were manufactured prior to the applicability dates of Subpart JJJJ; No physical or operational changes were made to the engines (engines were already capable of running at newly permitted hp rating). Additionally, the exemption 40 CFR 60.14(e)(2) will also apply –change is accomplished without a capital expenditure on those engines. Therefore NSPS JJJJ is not applicable.
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	This facility does not operate electric generating units, therefore it is not subject to this regulation.
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	This facility does not operate electric generating units, therefore it is not subject to this regulation.
NSPS 40 CFR 60, Subparts WWW,	Standards of performance for Municipal Solid Waste (MSW)	No	N/A	This facility is not a municipal solid waste landfill, therefore it is not subject to this regulation.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
XXX, Cc, and Cf	Landfills			
NESHAP 40 CFR 61 Subpart A	General Provisions	No	N/A	There are no NESHAP-affected source types at this facility.
NESHAP 40 CFR 61 Subpart E	National Emission Standards for **Mercury**	No	N/A	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 V	National Emission Standards for **Equipment Leaks** (Fugitive Emission Sources)	No	N/A	This regulation establishes national emission standards for equipment leaks (fugitive emission sources). The facility does not have equipment that operates in volatile hazardous air pollutant (VHAP) service [40 CFR Part 61.240]. The regulated activities subject to this regulation do not take place at this facility. The facility is not subject to this regulation.
MACT 40 CFR 63, Subpart A	General Provisions	Yes	E-1000 to E-7000, E-VRU-1, DEHY-1, DEHY-2	Applies if any other Subpart in 40 CFR 63 applies.
MACT 40 CFR 63.760 Subpart HH	**Oil and Natural Gas Production Facilities**	Yes	DEHY-1, DEHY-2	This regulation establishes national emission standards for hazardous air pollutants from oil and natural gas production facilities. Facility is an area source of HAPs. DEHY-1 and DEHY-2 have actual average benzene emissions less than 0.90 Mg/yr. Pursuant to 63.764(e), facility is exempt from standards of 63.764(c)(l) and (d) but has to maintain records required in 63.774(d)(1).
MACT 40 CFR 63 Subpart HHH	National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities	No	N/A	This regulation establishes national emission standards for hazardous air pollutants from natural gas transmission and storage facilities. The facility is not subject because it is not a natural gas transmission and storage facility.
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	No	N/A	This facility does not operate boilers or process heaters that meet the regulation definitions. Boilers and process heaters that use natural gas are exempted from complying with this regulation.
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	This facility does not operate a steam generating unit.
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (**RICE**	Yes	E-1000 to E-7000, E-VRU-1	This regulation defines national emissions standards for HAPs for stationary reciprocating Internal Combustion Engines. Facilities are subject to this subpart if they own or operate a stationary RICE. Enterprise will comply with any applicable requirements.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
	MACT)			
40 CFR 64	**Compliance Assurance Monitoring**	No	DEHY-1 and DEHY-2	This regulation defines compliance assurance monitoring. Units DEHY-1 and DEHY-2 have pre-controlled emissions greater than 100 tpy. Therefore, the units meet the applicability criteria of 64.2(a)(3), so 40 CFR 64 does apply. CAM plans are included in TV Permit number P-264.
40 CFR 68	**Chemical Accident Prevention**	Yes	Facility	This facility has more than a threshold quantity of a regulated substance in a process, as determined under §68.115, and is therefore an affected source. To comply with this regulation, the facility operator maintains a current RMP
Title IV – Acid Rain 40 CFR 72	**Acid Rain**	No	N/A	This part establishes the acid rain program. This facility is not an acid rain source. This regulation does not apply.
Title IV – Acid Rain 40 CFR 73	**Sulfur Dioxide** Allowance Emissions	No	N/A	This regulation establishes sulfur dioxide allowance emissions for certain types of facilities. This facility is not an acid rain source. This regulation does not apply.
Title IV-Acid Rain 40 CFR 75	**Continuous Emissions Monitoring**	No	N/A	This facility does not generate commercial electric power or electric power for sale, therefore it is not subject to this regulation.
Title IV – Acid Rain 40 CFR 76	**Acid Rain** Nitrogen Oxides **Emission Reduction Program**	No	N/A	This regulation establishes an acid rain nitrogen oxides emission reduction program. This regulation applies to each coal-fired utility unit that is subject to an acid rain emissions limitation or reduction requirement for 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**	No	N/A	Enterprise owns appliances containing CFCs and is therefore subject to this requirement. Enterprise uses only certified technicians for the maintenance, service, repair and disposal of appliances and maintains the appropriate records for this requirement.

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

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

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

Enterprise keeps the above-mentioned required plans and documentation on site.

Section 15

Alternative Operating Scenarios

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

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

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

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

There are no alternative operating scenarios being requested 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:	Chaparral Gas Plant
2	Name of company:	Enterprise Field Services, LLC
3	Current Permit number:	3662-M8-R5
4	Name of applicant's modeler:	Martin R. Schluep, Alliant Environmental, LLC
5	Phone number of modeler:	(505) 205-4819
6	E-mail of modeler:	Mschluep@alliantenv.com

16-B: Brief

1	Was a modeling protocol submitted and approved?	Yes☐	No☒
2	Why is the modeling being done?	Other (describe below)	
3	Describe the permit changes relevant to the modeling.		
	The purpose of this revision is to authorize an increase the permitted horsepower capacity of combustion engines E-1000, E-2000, and E-5000. These engines have had recent upgrades and are now capable of running at the manufacturer-rated capacity of 1340-horsepower (hp). The engines are currently permitted to operate at 1151-hp. There are no changes to the engine emission factors used in previous permit applications, but with the increased engine horsepower capacity, engine emissions will be increasing with this application.		
4	What geodetic datum was used in the modeling?	WGS84	

5	How long will the facility be at this location?	The facility will be at this location for greater than one year.	
6	Is the facility a major source with respect to Prevention of Significant Deterioration (PSD)?	Yes☐	No☒
7	Identify the Air Quality Control Region (AQCR) in which the facility is located	155	
8	List the PSD baseline dates for this region (minor or major, as appropriate).		
	NO2	03/16/1988	
	SO2	07/28/1978	
	PM10	02/20/1979	
	PM2.5	11/13/2013	
9	Provide the name and distance to Class I areas within 50 km of the facility (300 km for PSD permits).		
	There are no Class I areas within 50 km of this facility. The closest Class I area is the Carlsbad Caverns National Park located 68 km from this facility.		
10	Is the facility located in a non-attainment area? If so describe below	Yes☐	No☒
11	Describe any special modeling requirements, such as streamline permit requirements.		
	There are no special modeling requirements.		

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	3662-M6	August 2017	
NO_2	3662-M6	August 2017	
SO_2	3662-M6	August 2017	
H_2S	3662-M6	August 2017	
PM2.5	3662-M6	August 2017	
PM10	3662-M6	August 2017	
Lead	N/A	N/A	
Ozone (PSD only)	N/A	N/A	
NM Toxic Air Pollutants (20.2.72.402 NMAC)	N/A	N/A	

16-D: Modeling performed for this application

1. For each pollutant, indicate the modeling performed and submitted with this application.
Choose the most complicated modeling applicable for that pollutant, i.e., culpability analysis assumes ROI and cumulative analysis were also performed.

	Pollutant	ROI	Cumulative analysis	Culpability analysis	Waiver approved	Pollutant not emitted or not changed.
	CO	☒	☐	☐	☐	☐
	NO_2	☐	☒	☐	☐	☐
	SO_2	☒	☐	☐	☐	☐
	H_2S	☐	☐	☐	☐	☒
	PM2.5	☒	☐	☐	☐	☐
	PM10	☒	☐	☐	☐	☐
	Lead	☐	☐	☐	☐	☒
	Ozone	☐	☐	☐	☐	☒
	State air toxic(s) (20.2.72.402 NMAC)	☐	☐	☐	☐	☒

16-E: New Mexico toxic air pollutants modeling

1 List any New Mexico toxic air pollutants (NMTAPs) from Tables A and B in 20.2.72.502 NMAC that are modeled for this application.
N/A – this facility does not emit NMTAP which require modeling.

2 List any NMTAPs that are emitted but not modeled because stack height correction factor. Add additional rows to the table below, if required.

Pollutant	Emission Rate (pounds/hour)	Emission Rate Screening Level (pounds/hour)	Stack Height (meters)	Correction Factor	Emission Rate/ Correction Factor
N/A					

16-F: Modeling options

1	Was the latest version of AERMOD used with regulatory default options? If not explain below.	Yes☒	No☐

16-G: Surrounding source modeling

1	Date of surrounding source retrieval	01/20/2022

2 If the surrounding source inventory provided by the Air Quality Bureau was believed to be inaccurate, describe how the sources modeled differ from the inventory provided. If changes to the surrounding source inventory were made, use the table below to describe them. Add rows as needed.

AQB Source ID	Description of Corrections
N/A	Other than deleting the duplicate sources for this facility which were included in the surrounding source data provided by NMED, no changes were made to the surrounding source data.

16-H: Building and structure downwash

1	How many buildings are present at the facility?	Nine (9) buildings were included in the model.	
2	How many above ground storage tanks are present at the facility?	Ten (10) storage tanks.	
3	Was building downwash modeled for all buildings and tanks? If not explain why below.	Yes☒	No☐
4	Building comments	N/A	

16-I: Receptors and modeled property boundary

1	"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. Describe the fence or other physical barrier at the facility that defines the restricted area.					
2	Receptors must be placed along publicly accessible roads in the restricted area. Are there public roads passing through the restricted area?				Yes☐	No☒
3	Are restricted area boundary coordinates included in the modeling files?				Yes☒	No☐
4	Describe the receptor grids and their spacing. The table below may be used, adding rows as needed.					
	Grid Type	Shape	Spacing	Start distance from restricted area or center of facility	End distance from restricted area or center of facility	Comments
	Fine Grid	Facility Fence	100m	Restricted Area (fence)	1,000m	
	Middle Grid	Facility Fence	250m	Restricted Area (fence)	2,500m	
	Coarse Grid	Facility Fence	500m	Restricted Area (fence)	15,000m	
5	Describe receptor spacing along the fence line.					
	25m spacing along the fence line.					
6	Describe the PSD Class I area receptors.					
	There are no Class I areas within 50 km of this facility. A PSD Class I analysis is not required.					

16-J: Sensitive areas

1	Are there schools or hospitals or other sensitive areas near the facility? If so describe below. This information is optional (and purposely undefined) but may help determine issues related to public notice.	Yes☐	No☒
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?	Yes☐	No☒

16-K: Modeling Scenarios

1	Identify, define, and describe all modeling scenarios. Examples of modeling scenarios include using different production rates, times of day, times of year, simultaneous or alternate operation of old and new equipment during transition periods, etc. Alternative operating scenarios should correspond to all parts of the Universal Application and should be fully described in Section 15 of the Universal Application (UA3).		
	N/A		
2	Which scenario produces the highest concentrations? Why?		
	N/A		
3	Were emission factor sets used to limit emission rates or hours of operation? (This question pertains to the "SEASON", "MONTH", "HROFDY" and related factor sets, not to the factors used for calculating the maximum emission rate.)	Yes☐	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:		

5

Hour of Day	Factor	Hour of Day	Factor								
1		13									
2		14									
3		15									
4		16									
5		17									
6		18									
7		19									
8		20									
9		21									
10		22									
11		23									
12		24									

	If hourly, variable emission rates were used that were not described above, describe them below.		
6	Were different emission rates used for short-term and annual modeling? If so describe below.	Yes☐	No☒

16-L: NO_2 Modeling

1	Which types of NO_2 modeling were used? Check all that apply.	
	☒	ARM2
	☐	100% NO_X to NO_2 conversion
	☐	PVMRM
	☐	OLM
	☐	Other:
2	Describe the NO_2 modeling.	
	NO_2 modeling using default ARM2 parameters were used. The facility high eighth high (H8H) impact is 156.23 ug/m3 approximately 89m south-east of the facility's fence line. A cumulative impacts model run including all surrounding sources provided by NMED, was then performed. To reduce modeling time, only a fine grid with 100m spacing and a middle grid with 250 m spacing to 2,500 m from the fence line was performed. This approach is justified since the facility's H8H impact is well within the fine grid.	
3	Were default NO_2/NO_X ratios (0.5 minimum, 0.9 maximum or equilibrium) used? If not describe and justify the ratios used below.	Yes☒ No☐
4	Describe the design value used for each averaging period modeled.	
	1-hour: High eighth high Annual: Highest Annual Average of Three Years	

16-M: Particulate Matter Modeling

1	Select the pollutants for which plume depletion modeling was used.			
	☐	PM2.5		
	☐	PM10		
	☒	None		
2	Describe the particle size distributions used. Include the source of information.			
	N/A			
3	Does the facility emit at least 40 tons per year of NO_X or at least 40 tons per year of SO_2? Sources that emit at least 40 tons per year of NO_X or at least 40 tons per year of SO_2 are considered to emit significant amounts of precursors and must account for secondary formation of PM2.5.			Yes☒ No☐
4	Was secondary PM modeled for PM2.5?			Yes☒ No☐
5	If MERPs were used to account for secondary PM2.5 fill out the information below. If another method was used describe below.			
	NO_X (ton/yr)	SO_2 (ton/yr)	$[PM2.5]_{annual}$	$[PM2.5]_{24\text{-hour}}$
	200.83	10.1	0.02 ug/m^3	0.26 ug/m^3

16-N: Setback Distances

1	Portable sources or sources that need flexibility in their site configuration requires that setback distances be determined between the emission sources and the restricted area boundary (e.g. fence line) for both the initial location and future locations. Describe the setback distances for the initial location.
	N/A – no setback distances were used.
2	Describe the requested, modeled, setback distances for future locations, if this permit is for a portable stationary source. Include a haul road in the relocation modeling.
	N/A

16-O: PSD Increment and Source IDs

1	The unit numbers in the Tables 2-A, 2-B, 2-C, 2-E, 2-F, and 2-I should match the ones in the modeling files. Do these match? If not, provide a cross-reference table between unit numbers if they do not match below.	Yes☒	No☐

Unit Number in UA-2	Unit Number in Modeling Files

2	The emission rates in the Tables 2-E and 2-F should match the ones in the modeling files. Do these match? If not, explain why below.	Yes☒	No☐
3	Have the minor NSR exempt sources or Title V Insignificant Activities" (Table 2-B) sources been modeled?	Yes☐	No☒
4	Which units consume increment for which pollutants? All units consume increment. Please note, except for the 1-hr NO_2 standard, the project increases of all pollutants and averaging times are below the Significant Impact Levels (SIL)		

Unit ID	NO_2	SO_2	PM10	PM2.5

5	PSD increment description for sources. (for unusual cases, i.e., baseline unit expanded emissions after baseline date).	All units consume increment. There are no increment expanders at this facility.

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

16-P: Flare Modeling

1	For each flare or flaring scenario, complete the following			
	Flare ID (and scenario)	Average Molecular Weight	Gross Heat Release (cal/s)	Effective Flare Diameter (m)
	FLARE	37.20 g/mol	116,805,474 cal/s	9.089m

16-Q: Volume and Related Sources – N/A – No Volume Sources Modeled

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

16-R: Background Concentrations

1	Were NMED provided background concentrations used? Identify the background station used below. If non-NMED provided background concentrations were used describe the data that was used.	Yes☐	No☒
	CO: Choose an item.		
	NO_2: Choose an item.		
	PM2.5: Choose an item.		
	PM10: Choose an item.		
	SO_2: Choose an item.		
	Other:		
	Comments: The only pollutant and averaging time exceeding the Significant Impact Levels (SIL) for the project increases was the 1-hr NO_2 standard. A cumulative analysis including surrounding sources was performed. No background data was used or is required for this model.		
2	Were background concentrations refined to monthly or hourly values? If so describe below.	Yes☐	No☐
	N/A		

16-S: Meteorological Data

1	Was NMED provided meteorological data used? If so select the station used. (The Carlsbad2014_2018 data set was used as provided on NMED's website) Carlsbad	Yes☒	No☐

2	If NMED provided meteorological data was not used describe the data set(s) used below. Discuss how missing data were handled, how stability class was determined, and how the data were processed.

16-T: Terrain

1	Was complex terrain used in the modeling? If not, describe why below.	Yes☐	No☒
2	What was the source of the terrain data?		
	Elevation data was retrieved from the USGS website.		

16-U: Modeling Files

Describe the modeling files:

File name (or folder and file name)	Pollutant(s)	Purpose (ROI/SIA, cumulative, culpability analysis, other)
Chaparral GP_Project Increases SIL	NO_2, CO, SO_2, $PM_{2.5}$, PM_{10}	ROI/SIA
Chaparral GP_1hr_NO2_Sitewide_1	NO_2 (1-hr)	Refined Site-wide Impact
Chaparral GP_1hr_NO2_Sitewide_Surr	NO_2 (1-hr)	Cumulative

16-V: PSD New or Major Modification Applications – N/A – Site is PSD Minor Source

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 PM2.5 ambient impacts analyses been completed? If so describe below.	Yes☐	No☐

16-W: Modeling Results

1	If ambient standards are exceeded because of surrounding sources, a culpability analysis is required for the source to show that the contribution from this source is less than the significance levels for the specific pollutant. Was culpability analysis performed? If so describe below.	Yes☐	No☒
2	Identify the maximum concentrations from the modeling analysis. Rows may be modified, added and removed from the table below as necessary.		

Pollutant, Time Period and Standard	Modeled Facility Concentration (µg/m3)	Modeled Concentration with Surrounding Sources (µg/m3)	Secondary PM (µg/m3)	Background Concentration (µg/m3)	Cumulative Concentration (µg/m3)	Value of Standard (µg/m3)	Percent of Standard	Location		
								UTM E (m)	UTM N (m)	Elevation (ft)
1-hr NO_2	156.2341	156.6567	N/A	N/A	156.6567	188.03	83%	603810	3613450	3428.9
The modeled concentrations below show the Project Emissions Increase only compare to their SILs (Also see Table 16-1)										
1-hr NO_2	21.35	See above								
Annual NO_2	0.84	N/A	N/A	N/A	N/A	1.0	84% of SIL			
24-hr $PM_{2.5}$	0.16	N/A	0.26	N/A	N/A	1.2	32% of SIL			
Annual $PM_{2.5}$	0.02	N/A	0.01	N/A	N/A	0.2	12% of SIL			
24-hr PM_{10}	0.16	N/A	N/A	N/A	N/A	5.0	2% of SIL			
Annual PM_{10}	0.02	N/A	N/A	N/A	N/A	1.0	1% of SIL			
1-hr CO	22.34	N/A	N/A	N/A	N/A	2000	1% of SIL			
8-hr CO	17.05	N/A	N/A	N/A	N/A	500	3% of SIL			
1-hr SO_2	0.82	N/A	N/A	N/A	N/A	7.8	11% of SIL			
3-hr SO_2	0.71	N/A	N/A	N/A	N/A	25.0	3% of SIL			
24-hr SO_2	0.40	N/A	N/A	N/A	N/A	5.0	8% of SIL			
Annual SO_2	0.03	N/A	N/A	N/A	N/A	1.0	3% of SIL			

16-X: Summary/conclusions

	A statement that modeling requirements have been satisfied and that the permit can be issued.
1	This modeling analysis has demonstrated that the project emissions increase for all pollutants and respective averaging times, except for the 1-hour NO_2 standard, are each pollutants Significant Impact Levels (SILs). A site-wide refined modeling analysis for the 1-hour NO_2 standard, including surrounding sources, shows that the site is below the N/NMAAQS and that the facility is in compliance.

Table 16-1: Project Emissions Increase Analysis Against SILs

Units	Criteria Pollutant	Averaging Period	Significance Level (ug/m^3)	N/NMAAQS (ug/m^3)	GLC_{max} (ug/m^3)	GLC_{max} < Significance Level? If Yes, NAAQS is met (ug/m^3)
Site-wide	NO_2	1-hour	7.5	188	21.35	**No**
Site-wide	NO_2	Annual	1.0	100	0.84	**Yes, no further analysis required**
Site-wide	$PM_{2.5/10}$	24-hour	1.2	35	0.16	**Yes, no further analysis required**
Site-wide	$PM_{2.5/10}$	Annual	0.2	12	0.02	**Yes, no further analysis required**
Site-wide	CO	1-hour	2000	14,992	22.34	**Yes, no further analysis required**
Site-wide	CO	8-hour	500	9,957	17.05	**Yes, no further analysis required**
Site-wide	SO_2	1-hour	7.8	196.4	0.82	**Yes, no further analysis required**
Site-wide	SO_2	3-hour	25.0	1,309	0.71	**Yes, no further analysis required**
Site-wide	SO_2	24-hour	5.0	261.8	0.40	**Yes, no further analysis required**
Site-wide	SO_2	Annual	1.0	52.4	0.03	**Yes, no further analysis required**

Table 16-2: 1-Hour NO_2 N/NMAAQS Analysis

Units	Criteria Pollutant	Averaging Period	NAAQS (ug/m^3)	GLC_{max} incl. Surrounding Sources (ug/m^3)	GLC_{max} incl. Surrounding Sources < NAAQS?	Percent of Standard (%)
Site-wide	NO_2	1-hour	188.03	156.66	**Yes**	83.3

Note:

1-hour NO_2 GLC_{max} is the high 8th high, representative of the 98th percentile.

Annual NO_2 GLC_{max} is the high 1st high.

$PM_{2.5}$ Secondary Formation:

24-hr = ((NO_x emission rate (tpy) / 1155) + (SO_2 emission rate (tpy) / 229)) x 1.2 ug/m^3
= ((200.83 tpy NO_x / 1155) + (10.1 tpy SO_2 / 229) x
1.2 ug/m^3 = **0.26** **ug/m^3**

Annual = ((NO_x emission rate (tpy) / 3184) + (SO_2 emission rate (tpy) / 2289)) x 0.2 ug/m^3
= ((200.83 tpy NO_x / 3184) + (10.1 tpy SO_2 / 2289) x
0.2 ug/m^3 = **0.01** **ug/m^3**

Table 16-3: Project Emissions Increases

Unit ID	Changes in Emission Rates							
	NOx		CO		SO2		PM2.5/PM10	
	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)
1000	0.63	2.71	0.10	0.56	0.02	0.09	0.01	0.06
2000	0.63	2.71	0.72	3.29	0.02	0.09	0.01	0.06
5000	0.63	2.71	0.72	3.29	0.02	0.09	0.01	0.06

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
1000	Tested in accordance with EPA test methods for NOx and CO.	8/29/2012
	Portable analyzer for NOx and CO.	7/20/2015
	Tested in accordance with EPA test methods for NOx and CO.	4/2018
	Tested in accordance with EPA test methods for NOx and CO.	7/2018
	Tested in accordance with EPA test methods for NOx and CO.	4/2019
	Tested in accordance with EPA test methods for NOx and CO.	4/2020
	Tested in accordance with EPA test methods for NOx and CO.	6/2021
2000	Tested in accordance with EPA test methods for NOx and CO.	8/28/2012
	Portable analyzer for NOx and CO.	7/20/2015
	Tested in accordance with EPA test methods for NOx and CO.	4/2018
	Tested in accordance with EPA test methods for NOx and CO.	7/2018
3000	Tested in accordance with EPA test methods for NOx and CO.	8/27/2012
	Portable analyzer for NOx and CO.	7/22/2015
	Tested in accordance with EPA test methods for NOx and CO.	4/2018
4000	Tested in accordance with EPA test methods for NOx and CO.	8/27/2012
	Portable analyzer for NOx and CO.	7/20/2015
	Tested in accordance with EPA test methods for NOx and CO.	4/2018
	Tested in accordance with EPA test methods for NOx and CO.	7/2018
5000	Tested in accordance with EPA test methods for NOx and CO.	8/27/2012
	Portable analyzer for NOx and CO.	7/20/2015
	Tested in accordance with EPA test methods for NOx and CO.	4/2018
	Tested in accordance with EPA test methods for NOx and CO.	7/2018
6000	Tested in accordance with EPA test methods for NOx and CO.	3/27/2014
	Portable analyzer for NOx and CO.	7/22/2015
	Tested in accordance with EPA test methods for NOx and CO.	11/2019
	Tested in accordance with EPA test methods for NOx and CO.	11/2020
	Tested in accordance with EPA test methods for NOx and CO.	8/2021
7000	Tested in accordance with EPA test methods for NOx and CO.	7/2015

Section 18

Addendum for Streamline Applications

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

As this is not a Streamline Permit application, this Section is not applicable.

Section 19

Requirements for Title V Program

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

Who Must Use this Attachment:

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

As this is not a Title V permit application, this Section is not applicable.

Section 20

Other Relevant Information

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

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

There is no other relevant information being submitted with this application.

Section 21

Addendum for Landfill Applications

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

This Section is not applicable as this is not a Landfill application.

Section 22: Certification

Company Name: Enterprise Field Services, LLC

I, Rodney M. Sartor, 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 23rd day of March, 2022, upon my oath or affirmation, before a notary of the State of Texas.

*Signature

3/23/2022
Date

Rodney M. Sartor
Printed Name

Senior Director
Title

Scribed and sworn before me on this 23rd day of March, 2022.

My authorization as a notary of the State of Texas expires on the 23rd day of February, 2026.

Notary's Signature

3/23/2022
Date

Brenda J. Mendez
Notary's Printed Name

BRENDA J. MENDEZ
Notary Public, State of Texas
Comm. Expires 02-23-2026
Notary ID 10264322

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

Section 22: Certification

Company Name: Enterprise Field Services, LLC

I, Rodney M. Sartor, 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 _____ day of _____, _____, upon my oath or affirmation, before a notary of the State of _____.

_____ _____
*Signature Date

Rodney M. Sartor_____ Senior Director_____
Printed Name Title

Scribed and sworn before me on this ____ day of _____, _____.

My authorization as a notary of the State of _____ expires on the _____ day of _____, _____.

_____ _____
Notary's Signature Date

_____
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.