

# **ALTERNATIVE COMPLIANCE PLAN**

## **Energy Transfer Company**

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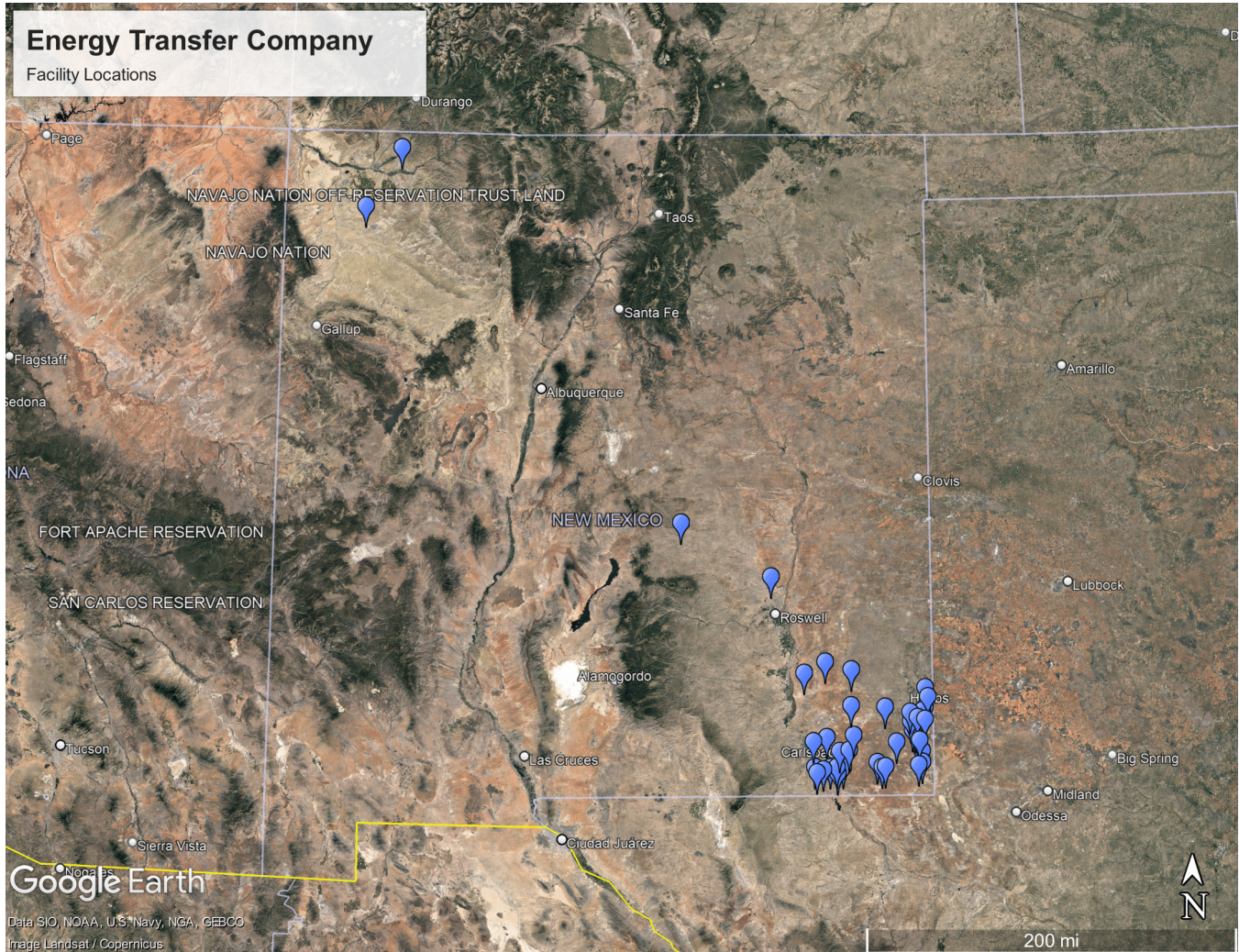
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## 1. EXECUTIVE SUMMARY

Energy Transfer Company (ETC) is a transmission and gathering/processing oil and gas company with numerous facility locations in New Mexico. Figure 1 provides an overview of the facilities and their locations.

**Figure 1. Energy Transfer Company New Mexico Facility Locations**



ETC is submitting an alternative compliance plan (ACP) in accordance with Paragraph (1) of Subsection B of 20.2.50.113 NMAC, which states:

*"In lieu of complying with the emission standards for individual engines and turbines established in Subsection B of 20.2.50.113 NMAC, an owner or operator may elect to comply with the emission standards through an Alternative Compliance Plan (ACP) approved by the department. An ACP must include the list of engines or turbines subject to the ACP, and a demonstration that the total allowable emissions for the engines or turbines subject to the ACP will not exceed the total allowable emissions under the emission standards of this Part."*

The ACP detailed herein addresses Nitrogen Dioxide (NO<sub>x</sub>) and Carbon Monoxide (CO) emissions from all subject units in the ETC fleet. The ACP also provides a demonstration that the total allowable emission for ETC's fleet of engines and turbines will not exceed the total allowable emissions for each pollutant under this Part.

If approved, ETC will meet the total allowable emissions established under the emission standards of 20.2.50.113 NMAC by January 1, 2029 for engines and January 1, 2028 for turbines.

Additionally, an environmental justice review is detailed herein that evaluates the areas surrounding the units of the fleet that are, on an individual basis, in excess of the limits established in 20.2.50.113 NMAC.



## 2. INTRODUCTION

### 2.1 Regulatory Background

20.2.50 NMAC, Oil and Gas Sector – Ozone Precursor Pollutants, became effective on August 5, 2022. The Part applies to sources located within areas of the state under the board’s jurisdiction that, as of the effective date or anytime thereafter, are causing or contributing to ambient ozone concentrations that exceed ninety-five percent of the national ambient air quality standard for ozone, as measured by a design value calculated and based on data from one or more department monitors. As of the effective date, sources located in the following counties of the state are subject to this Part: Chaves, Dona Ana, Eddy, Lea, Rio Arriba, Sandoval, San Juan, and Valencia.

Pursuant to 20.2.50.113.B(1) NMAC,

*"The owner or operator of a portable or stationary natural gas-fired spark ignition engine, compression ignition engine, or natural gas-fired combustion turbine shall ensure compliance with the emission standards by the dates specified in Subsection B of 20.2.50.113 NMAC, except as otherwise specified under an Alternative Compliance Plan approved pursuant to Paragraph (10) of Subsection B of 20.2.50.113 NMAC or alternative emissions standards approved pursuant to Paragraph (11) of Subsection B of 20.2.50.113 NMAC."*

Table 1 below shows the emission standards for existing engines, as specified in Subsection B of 20.2.50.113 NMAC.

**Table 1. Emission Standards for Existing Natural Gas-Fired Spark Ignition Engines**

Engine Type	Rated bhp	NO <sub>x</sub>	CO	NMNEHC (as propane)
2 Stroke Lean Burn	>1,000 bhp	3.0 g/bhp-hr	0.60 g/bhp-hr	0.70 g/bhp-hr
4-Stroke Lean Burn	>1,000 bhp and <1,775 bhp	2.0 g/bhp-hr	0.60 g/bhp-hr	0.70 g/bhp-hr
4-Stroke Lean Burn	≥1,775 bhp	0.5 g/bhp-hr	0.60 g/bhp-hr	0.70 g/bhp-hr
Rich Burn	>1,000 bhp	0.5 g/bhp-hr	0.60 g/bhp-hr	0.70 g/bhp-hr

Table 2 below shows the emission standards turbines, as specified in Subsection b of 20.2.50.113 NMAC.

**Table 2. Emission Standards for Stationary Combustion Turbines**

Turbine Rating (bhp)	NO <sub>x</sub> (ppmvd @15% O <sub>2</sub> )	CO (ppmvd @ 15% O <sub>2</sub> )	NMNEHC (as propane, ppmvd @ 15% O <sub>2</sub> )
>1,000 and <4,100	150	50	9
≥4,100 and <15,000	50	50	9
≥15,000	50	50 or 93% reduction	5 or 50% reduction

## 2.2 Engine Information

ETC has numerous engines at multiple facilities which are above the Part 50 thresholds for NO<sub>x</sub>, CO, or both. These engines and their associated permitted emissions are detailed in Table 3 below. Please note that a different list of ACP engines is considered for NO<sub>x</sub> and CO. Additional information regarding each unit's make, model, type, and horsepower is also provided.

**Table 3. Existing Engines and Associated Emissions**

Site	Unit	Make	Model	Type	Hp	Permitted NO <sub>x</sub> tpy (8760 hrs)	Permitted CO tpy (8760 hrs)
A-14	1	Waukesha	7042 G	4SRB	896	17.3	26.0
	2	Waukesha	7042 GSI	4SRB	1231	23.8	35.7
Bennetville	ENG-1	Caterpillar	3606	4SLB	1775	-	23.5
	ENG-2	Caterpillar	3606	4SLB	1775	-	23.5
	ENG-3	Caterpillar	3606	4SLB	1775	-	23.5
	ENG-4	Caterpillar	3606	4SLB	1775	-	23.5
Fortson	4	Caterpillar	G3516ULB	4SLB	1353	-	26.1
Harroun	5	Caterpillar	G3516TALE	4SLB	1340	-	24.6
	6	Caterpillar	G3516TALE	4SLB	1245	-	23.2
	9	Caterpillar	G3516TALE	4SLB	1245	-	23.2
Hawk	1	Caterpillar	G3516TALE	4SLB	1340	-	24.6
Hobson	7072	Caterpillar	G3516TALE	4SLB	1340	-	24.6
	7073	Caterpillar	G3516TALE	4SLB	1340	-	24.6
House	2	Caterpillar	G3516TALE	4SLB	1340	-	24.6
	3	Caterpillar	G3516TALE	4SLB	1340	-	24.6
Jal #3	1A	Cooper-Bessemer	GMV-10TF	2SLB	1100	21.2	26.6
	2A	Cooper-Bessemer	GMV-10TF	2SLB	1100	21.2	26.6
	3A	Cooper-Bessemer	GMV-10TF	2SLB	1100	21.2	26.6
	4A	Cooper-Bessemer	GMV-10TF	2SLB	1100	122.0	50.1
	5A	Cooper-Bessemer	GMV-10TF	2SLB	1100	122.0	50.1
	S1	Superior	2416G	4SLB	3200	39.0	13.1
	S2	Superior	2416G	4SLB	3200	39.0	13.1
	S3	Superior	2416G	4SLB	3200	39.0	13.1
	S4	Superior	2416G	4SLB	3200	39.0	13.1
	S5	Superior	12SGTA	4SLB	2000	36.2	9.3
Jal #4	1	Caterpillar	G3516ULB	4SLB	1380	-	19.5
	2	Caterpillar	G3516ULB	4SLB	1380	-	19.5
	3	Caterpillar	G3516ULB	4SLB	1380	-	19.5
Maljamar	001	Waukesha	L7044GSI	4SRB	1195	23.1	34.6
	002	Superior	8GTL825	4SLB	1073	51.8	31.1



**Table 3. Existing Engines and Associated Emissions (cont.)**

Site	Unit	Make	Model	Type	Hp	Permitted NO <sub>x</sub> tpy (8760 hrs)	Permitted CO tpy (8760 hrs)
Nash Draw	1	Superior	12G825	4SRB	1140	22.0	33.0
New James Ranch	7069	Caterpillar	G3516TALE	4SLB	1340	-	24.6
Oil Center	2	Caterpillar	G3516TALE	4SLB	1340	-	25.9
	4	Waukesha	L7042GSI	4SRB	1478	28.54	42.8
Pecos River	2	Caterpillar	G3516TALE	4SLB	1340	-	25.9
	3	Caterpillar	G3516TALE	4SLB	1340	-	25.9
	8	Caterpillar	G3516TALE	4SLB	1775	-	28.3
Ross Draw	204	Caterpillar	G3606TALE	4SLB	1775	12.1	12.1
	205	Caterpillar	G3606TALE	4SLB	1775	12.1	12.1
Ross Ranch	ENG-4	Caterpillar	G3606A3	4SLB	1775	-	17.2
Roswell	903	Cooper- Bessemer	LSV-16SG	4SLB	4500	547.5	72.3
	904	Cooper- Bessemer	LSV-16SG	4SLB	4500	547.5	72.3
South Eunice	1	Superior	8GTLE	4SLB	1100	21.2	21.2
	2	Waukesha	L7042 GU	4SRB	896	16.5	16.5
Trestle	3 (Rich- burn)	Superior	16G825	4SRB	1600	15.5	14.5
Wantz	3	Waukesha	L7042GSI	4SRB	1478	12.4	22.4
West Eunice	4	Superior	2416GTL	4SLB	3200	46.3	24.6
	6	Caterpillar	G3516TALE	4SLB	1340	-	24.6
	7	Caterpillar	G3516TALE	4SLB	1340	-	24.6
White City Road	C-1	Caterpillar	3608 TAA	4SLB	2370	-	15.8
	C-2	Caterpillar	3608 TAA	4SLB	2370	-	15.8
	C-3	Caterpillar	3608 TAA	4SLB	2370	-	15.8
	C-4	Caterpillar	3608 TAA	4SLB	2370	-	15.8
	C-5	Caterpillar	3608 TAA	4SLB	2370	-	15.8

"-" indicates that the unit is in compliance for this pollutant in accordance with 20.2.50 NMAC and is therefore not being reviewed as part of the ACP.

## 2.3 Turbine Information

ETC has numerous turbines which are above the Part 50 thresholds for NO<sub>x</sub>, CO, or both. These turbines and their associated permitted emissions are detailed in Table 4 below. Please note that a different list of ACP turbines is considered for NO<sub>x</sub> and CO. Additional information regarding each unit's make, model, type, and horsepower is also provided.

**Table 4. Existing Turbines and Associated Emissions**

Site	Unit	Make	Model	Hp	Permitted NO <sub>x</sub> tpy (8760 hrs)	Permitted CO tpy (8760 hrs)
Atoka #2	760	Solar	Saturn	1100	-	16.0
	837	Solar	CSS1200	1100	-	16.0
Bloomfield	S1001	Solar	Taurus 60-T7002	5879	119.6	25.6
	S1002	Solar	Taurus 60-T7002	5879	119.6	25.6
	S1003	Solar	Taurus 60-T7002	5879	119.6	25.6
Crawford	751	Solar	Saturn T-1001S	1100	14.0	18.6
	756	Solar	Saturn T-1001S	1100	14.0	18.6
Monument Turbine Station	832	Solar	Saturn Mark II	1200	14.4	18.6
	836	Solar	Saturn Mark II	1200	14.4	18.6

"-" indicates that the unit is in compliance for this pollutant in accordance with 20.2.50 NMAC and is therefore not being reviewed as part of the ACP.

### 3. PROPOSED ALTERNATIVE COMPLIANCE PLAN

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ETC has conducted an inventory of their engines and turbines, pursuant 20.2.50.113.B(2) NMAC and has compiled a fleet-wide list of engines and turbines that are not in compliance with the emission limits as established in Subsection B of 20.2.50.113 NMAC for NO<sub>x</sub> and CO on an individual basis. In order to meet fleet-wide compliance with Subsection B of 20.2.50.113 NMAC, various units will be retired or re-permitted based on emission stack testing or the installation of a catalyst. The proposed stack testing results can be found in Appendix A. For units to be re-permitted based on emission stack testing, a safety factor has been applied to the stack test results. The scale of the emission factor was dependent on the confidence of the test, historical stack testing performance of the unit, age of the unit, etc.

The following units will be retired for the ACP:

- A-14 Facility (Units 1 & 2)
- Jal #3 Facility (Units 1A through 5A and units S1 through S5)
- Jal #4 Facility (Unit 1)
- Roswell Facility (Units 903 & 904)
- South Eunice Facility (Unit 1 & 2)
- West Eunice Facility (Unit 4)
- Crawford Facility (Units 751 & 756)
- Monument Turbine Station (Units 832 & 836)

The following units will be re-permitted based on stack testing:

- Bennetville Facility (Units ENG-1 through ENG-4)
- Fortson Facility (Unit 4)
- Harroun Facility (Units 6 & 9)
- Hobson Facility (Unit 7072 & 7073)
- Jal #4 Facility (Units 2 & 3)
- Pecos River Facility (Unit 8)
- Ross Ranch Facility (Unit ENG-4)
- White City Road Facility (Unit C-5)

The following unit will be re-permitted and a new catalyst will be installed:

- Nash Draw Facility (Unit 1)
- Hawk #1 Facility (Unit 1)

The remaining units will remain as permitted.

Below is a summary of the engines and turbines that will be subject to this ACP, their currently permitted NO<sub>x</sub> and CO emissions, their baseline value, which is either currently permitted or will be permitted, the NO<sub>x</sub> and CO emission limit for each unit based on Subpart B of 20.2.50.113 NMAC, and how the baseline value compares to the rule thresholds. Table 5 represents all the engines and turbines subject to the ACP for NO<sub>x</sub> and Table 6 represents the same for CO.

**Table 5. ACP Engines and Turbines Permitted, Baseline and NO<sub>x</sub> Rule Comparison**

Site	Unit	Proposed Modification for ACP	Permitted NO <sub>x</sub> (8760 hrs) (tpy)	Baseline (Permitted or To Be Permitted) (tpy)	Rule NO <sub>x</sub> Emission Limit (tpy)
A-14	1	Retire Unit	17.3	0.0	4.3
	2	Retire Unit	23.8	0.0	5.9
Jal #3	1A	Retire Unit	21.2	0.0	31.8
	2A	Retire Unit	21.2	0.0	31.8
	3A	Retire Unit	21.2	0.0	31.8
	4A	Retire Unit	122.0	0.0	31.8
	5A	Retire Unit	122.0	0.0	31.8
	S1	Retire Unit	39.0	0.0	15.4
	S2	Retire Unit	39.0	0.0	15.4
	S3	Retire Unit	39.0	0.0	15.4
	S4	Retire Unit	39.0	0.0	15.4
	S5	Retire Unit	36.2	0.0	9.6
Maljamar	001	-	23.1	23.1	5.8
	002	-	51.8	51.8	20.7
Nash Draw	1	-	22.0	22.0	5.5
Oil Center	4	-	28.5	28.5	7.1
Ross Draw	204	-	12.1	12.1	8.6
	205	-	12.1	12.1	8.6
Roswell	903	Retire Unit	547.5	0.0	21.7
	904	Retire Unit	547.5	0.0	21.7
South Eunice	1	Retire Unit	21.2	0.0	5.3
	2	Retire Unit	16.5	0.0	4.3
Trestle	3 (Rich-burn)	-	15.5	15.5	7.7
Wantz	3	-	12.4	12.4	7.1
West Eunice	4	Retire Unit	46.3	0.0	15.4
Bloomfield	S1001	-	119.6	119.6	34.8
	S1002	-	119.6	119.6	34.8
	S1003	-	119.6	119.6	34.8
Crawford	751	Retire Unit	14.0	0.0	28.4
	756	Retire Unit	14.0	0.0	28.4
Monument Turbine Station	832	Retire Unit	14.4	0.0	37.6
	836	Retire Unit	14.4	0.0	37.6

**Table 6. ACP Engines and Turbines Permitted, Baseline and CO Rule Comparison**

Site	Unit	Proposed Modification for ACP	Permitted CO tpy (8760 hrs)	Baseline (Permitted or To Be Permitted) (tpy)	Rule CO Emission Limit (tpy)
A-14	1	Retire Unit	26.0	0.0	5.2
	2	Retire Unit	35.7	0.0	7.1
Bennetville	ENG-1	Repermit CO Based on Stack Testing	23.5	4.0	10.3
	ENG-2	Repermit CO Based on Stack Testing	23.5	4.1	10.3
	ENG-3	Repermit CO Based on Stack Testing	23.5	3.7	10.3
	ENG-4	Repermit CO Based on Stack Testing	23.5	2.5	10.3
Fortson	4	Repermit CO Based on Stack Testing	26.1	2.5	7.8
Harroun	5	-	24.6	24.6	7.8
	6	Repermit CO Based on Stack Testing	23.2	2.5	7.2
	9	Repermit CO Based on Stack Testing	23.2	2.5	7.2
Hawk	1	Add Catalyst to Meet 2.5 tpy CO	24.6	2.5	7.8
Hobson	7072	Repermit CO Based on Stack Testing	24.6	2.5	7.8
	7073	Repermit CO Based on Stack Testing	24.6	12.9	7.8
House	2	-	24.6	24.6	7.8
	3	-	24.6	24.6	7.8
Jal #3	1A	Retire Unit	26.6	0.0	6.4
	2A	Retire Unit	26.6	0.0	6.4
	3A	Retire Unit	26.6	0.0	6.4
	4A	Retire Unit	50.1	0.0	6.4
	5A	Retire Unit	50.1	0.0	6.4
	S1	Retire Unit	13.1	0.0	18.5
	S2	Retire Unit	13.1	0.0	18.5
	S3	Retire Unit	13.1	0.0	18.5
	S4	Retire Unit	13.1	0.0	18.5
	S5	Retire Unit	9.3	0.0	11.6
Jal #4	1	Retire Unit	19.5	0.0	8.0
	2	Repermit CO Based on Stack Testing	19.5	2.5	8.0
	3	Repermit CO Based on Stack Testing	19.5	2.5	8.0
Maljamar	001	-	34.6	34.6	6.9
	002	-	31.1	31.1	6.2

**Table 6. ACP Engines and Turbines Permitted, Baseline and CO Rule Comparison (cont.)**

<b>Site</b>	<b>Unit</b>	<b>Proposed Modification for ACP</b>	<b>Permitted CO tpy (8760 hrs)</b>	<b>Baseline (Permitted or To Be Permitted) (tpy)</b>	<b>Rule CO Emission Limit (tpy)</b>
Nash Draw	1	Add Catalyst to Meet 2.5 tpy CO	33.0	2.5	6.6
New James Ranch	7069	-	24.6	24.6	7.8
Oil Center	2	-	25.9	25.9	7.8
	4	-	42.8	42.8	8.6
Pecos River	2	-	25.9	25.9	7.8
	3	-	25.9	25.9	7.8
	8	Repermit CO Based on Stack Testing	28.3	5.9	10.3
Ross Draw	204	-	12.1	12.1	10.3
	205	-	12.1	12.1	10.3
Ross Ranch	ENG-4	Repermit CO Based on Stack Testing	17.2	2.5	10.3
Roswell	903	Retire Unit	72.3	0.0	26.0
	904	Retire Unit	72.3	0.0	26.0
South Eunice	1	Retire Unit	21.2	0.0	6.4
	2	Retire Unit	16.5	0.0	5.2
Trestle	3	-	14.5	14.5	9.3
Wantz	3	-	22.4	22.4	8.6
West Eunice	6	-	24.6	24.6	7.8
	7	-	24.6	24.6	7.8
White City Road	C-1	-	15.8	15.8	13.7
	C-2	-	15.8	15.8	13.7
	C-3	-	15.8	15.8	13.7
	C-4	-	15.8	15.8	13.7
	C-5	Repermit CO Based on Stack Testing	15.8	5.2	13.7
Atoka #2	760	-	16.0	16.0	5.8
	837	-	16.0	16.0	5.8
Bloomfield	S1001	-	25.6	25.6	21.2
	S1002	-	25.6	25.6	21.2
	S1003	-	25.6	25.6	21.2
Crawford	751	Retire Unit	18.6	0.0	5.8
	756	Retire Unit	18.6	0.0	5.8
Monument Turbine Station	832	Retire Unit	18.6	0.0	7.6
	836	Retire Unit	18.6	0.0	7.6



Based on the emission limits established in Subpart B of 20.2.50.113 NMAC for existing engines and turbines, ETC's fleet is required to meet a fleet-wide NO<sub>x</sub> emission limit of 616.94 tons per year and a fleet-wide CO emission limit of 627.51 tons per year by January 1, 2029 for engines and January 1, 2028 for turbines. This is summarized in Table 7 below. This demonstrates compliance with the emission thresholds established in Subpart B of 20.2.50.113 NMAC and the compliance schedule as defined in 20.2.50.113.B(2) and 20.2.50.113.B(7) NMAC and shown below in Table 8 and Table 9. The net emissions compared to regulations is the difference between the regulatory threshold, as established in Subpart B of 20.2.50.113 NMAC, and the proposed fleet-wide emissions based on the modifications to their units. For NO<sub>x</sub>, the fleet-wide emissions will be 80.63 tpy below the regulatory emissions threshold. For CO, the fleet-wide emissions will be 4.11 tpy below the regulatory emissions threshold.

**Table 7. Rule Emissions Threshold Comparison**

<b>Pollutant</b>	<b>Regulatory Emissions Threshold (tpy)</b>	<b>Proposed Fleet-Wide Emissions (tpy)</b>	<b>Net Emissions Compared to the Regulation (tpy)</b>
NO <sub>x</sub>	616.94	536.31	-80.63
CO	631.62	627.51	-4.11

**Table 8. Schedule of Compliance for Existing Engines**

<b>Regulatory Compliance Date</b>	<b>Total Percent Meeting Standard</b>
January 1, 2025	30%
January 1, 2027	65%
January 1, 2029	100%

**Table 9. Schedule of Compliance for Existing Turbines**

<b>Regulatory Compliance Date</b>	<b>Total Percent Meeting Standard</b>
January 1, 2024	30%
January 1, 2026	65%
January 1, 2028	100%

## 4. ENVIRONMENTAL JUSTICE CONSIDERATIONS

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### 4.1 Background Information

New Mexico Environmental Justice Executive Order 2005-056<sup>1</sup> resulted in the creation of the New Mexico EJ Task Force, increased community outreach, notice and participation in permitting activities and public hearings in New Mexico. In 2008, New Mexico received the US EPA EJ National Achievement Award.

NMED has defined Environmental Justice as the following:<sup>2</sup>

*"Environmental Justice at the New Mexico Environment Department is the fair treatment and meaningful opportunities for involvement of all New Mexicans regarding the development and enforcement of environmental laws and regulations."*

The NMED Air Quality Bureau (AQB) develops Public Involvement Plans (PIPs) for the processing of air quality permit applications in accordance with the requirements at 20.2.72 NMAC. Elements presented by NMED AQB in the PIPs include:

- NMED assesses a combination of environmental and demographic factors (e.g., low income community, minority community, limited English proficiency individuals, linguistically isolated households, etc.) to ensure appropriate promotion of public outreach.
- EPA's EJSCREEN tool is used identify communities that are low income and minority populations for notification and outreach communication.
- A 4-mile radius from each facility
- (ACS) Summary Report

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<sup>1</sup> [https://www.env.nm.gov/wp-content/uploads/sites/10/2019/10/EO\\_2005\\_056.pdf](https://www.env.nm.gov/wp-content/uploads/sites/10/2019/10/EO_2005_056.pdf)

<sup>2</sup> <https://www.env.nm.gov/general/environmental-justice-in-new-mexico/>

## 4.2 Initial Filter Approach for Screening

In past screening experience, EPA has found it helpful to establish a suggested starting point for the purpose of identifying geographic areas that may warrant further consideration, analysis, or outreach. The use of an initial filter promotes consistency and provides a pragmatic first step for EPA programs and regions when interpreting screening results. For early applications of EJScreen, EPA identified the 80<sup>th</sup> percentile filter as that initial starting point. In other words, an area with any of the twelve EJ Indexes at or above the 80<sup>th</sup> percentile nationally should be considered as a potential candidate for further review. Further review may include considering other factors and other sources of information such as health-based information, local knowledge, proximity and exposure to environmental hazards, susceptible populations, unique exposure pathways, and other federal, regional, state, and local data. This filter is simply a starting point, and additional analysis should be performed before making any decisions about potential environmental justice issues. As EPA gains further experience and insight into the performance of the tool and its applicability for different uses, program offices and regions may opt to designate starting points that are more inclusive or specifically tailored to meet programmatic needs more effectively.

The 80<sup>th</sup> percentile filter in EJScreen is not intended to designate an area as an “EJ community.” EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. Nor does the use of the 80<sup>th</sup> percentile filter suggest that all of the twelve environmental indicators are equal in terms of their impact on human health and the environment. Instead, the 80<sup>th</sup> percentile filter encourages programs to consider environmental indicators outside of their areas of concentration.

### 4.3 Uncertainty in Estimates for Small Areas

It is important to understand that EJScreen is not a detailed risk analysis. It is a screening tool that examines some of the relevant issues related to environmental justice, and there is uncertainty in the data included. It is important to understand both of these limitations.

The first limitation arises because a screening tool cannot capture all the relevant issues that should be considered (e.g., other environmental concerns). Any national screening tool must balance a desire for data quality and national coverage against the goal of including as many important environmental factors as feasible given resource constraints.

Many environmental concerns are not yet included in comprehensive, nationwide databases. For example, data on environmental factors such as drinking water quality and indoor air quality are not available with adequate quality, coverage and/or resolution to be included in this national screening tool. EJScreen cannot provide data on every environmental impact and demographic factor that may be important to any location. Therefore, its initial results should be supplemented with additional information and local knowledge whenever appropriate, for a more complete picture of a location.

The second important limitation is that EJScreen relies on demographic and environmental estimates that involve substantial uncertainty. This is especially true when looking at a small geographic area, such as a single Census block group. A single block group is often small and has uncertain estimates. Therefore, it is typically very useful and advisable to summarize EJScreen data within a larger area that may cover several block groups, in what is called a “buffer” report.

The demographic estimates, such as “percent” low-income, come from surveys, not a full census of all households. This means the Census Bureau may estimate that a block group is 30% low-income, for example, but it might actually be 20% or 40% in some cases.

All indicators are calculated for each block group. The only exception is certain environmental indicators for air quality (PM, ozone, and air toxics indicators). Those air data were obtained for each Census tract, so each block group in a tract was assigned the same environmental indicator value, as described in the Technical Documentation.

## 4.4 EJScreen Data Overview

### 4.4.1 Socioeconomic Indicators

All demographic indicators are from Census Bureau's ACS 2016-2020 5-year Summary. EJScreen uses socioeconomic indicators as very general indicators of a community's potential susceptibility to the types of environmental factors included in EJScreen. There are seven socioeconomic indicators featured in EJScreen. These indicators form the basis for both the demographic index and the supplemental demographic index:

- ▶ **People of Color** – The percent of individuals in a block group who list their racial status as a race other than white alone and/or list their ethnicity as Hispanic or Latino. That is, all people other than non-Hispanic white-alone individuals. The word "alone" in this case indicates that the person is of a single race, not multiracial.
- ▶ **Low-Income** – The percent of a block group's population in households where the household income is less than or equal to twice the federal "poverty level."
- ▶ **Unemployment Rate** – The percent of a block group's population that did not have a job at all during the reporting period, made at least one specific active effort to find a job during the prior four weeks, and were available for work (unless temporarily ill).
- ▶ **Limited English-Speaking Household** – A "limited English-speaking household" is one in which no member 14 years old and over (1) speaks only English or (2) speaks a non-English language and speaks English "very well." In other words, all members 14 years old and over have at least some difficulty with English.
- ▶ **Less than High School Education** – Percent of people age 25 or older in a block group whose education is short of a high school diploma.
- ▶ **Under Age 5** – Percent of people in a block group under the age of 5.
- ▶ **Over Age 64** – Percent of people in a block group over the age of 64.

### 4.4.2 Demographic Index

The Demographic Index in EJScreen is a combination of percent low-income and percent people of color. These are the two demographic factors explicitly named in Executive Order 12898 on Environmental Justice. For each Census block group, these two numbers are simply averaged together. The formula is as follows:

$$\text{Demographic Index} = \frac{\% \text{ Low Income} + \% \text{ People of Color}}{2}$$

For example, if a Census block group has a low-income indicator value of 25% and a people of color indicator value of 75%, the Demographic Index value would be 50%.

### 4.4.3 Supplemental Demographic Index

The Supplemental Demographic Index uses the same updated methodology and calculation as the EJ Indexes but replaces the current Demographic Index (the average percent low-income and percent people of color) with a supplemental five-factor demographic index. The five socioeconomic indicators considered are percent low life expectancy, percent low-income, percent unemployed, percent limited English speaking, and percent less than high school education.



## 4.5 EJ Identification Assessment

Based on the Alternative Compliance Plan established in Section 3, some units will remain above the emissions requirements of Subsection B of 20.2.50.113 NMAC for NO<sub>x</sub> and CO on an individual basis. For these units, an initial filter screening, as described in Section 4.2, was conducted. For facilities identified during the initial filter screening as needing further evaluation, an additional analysis was conducted.

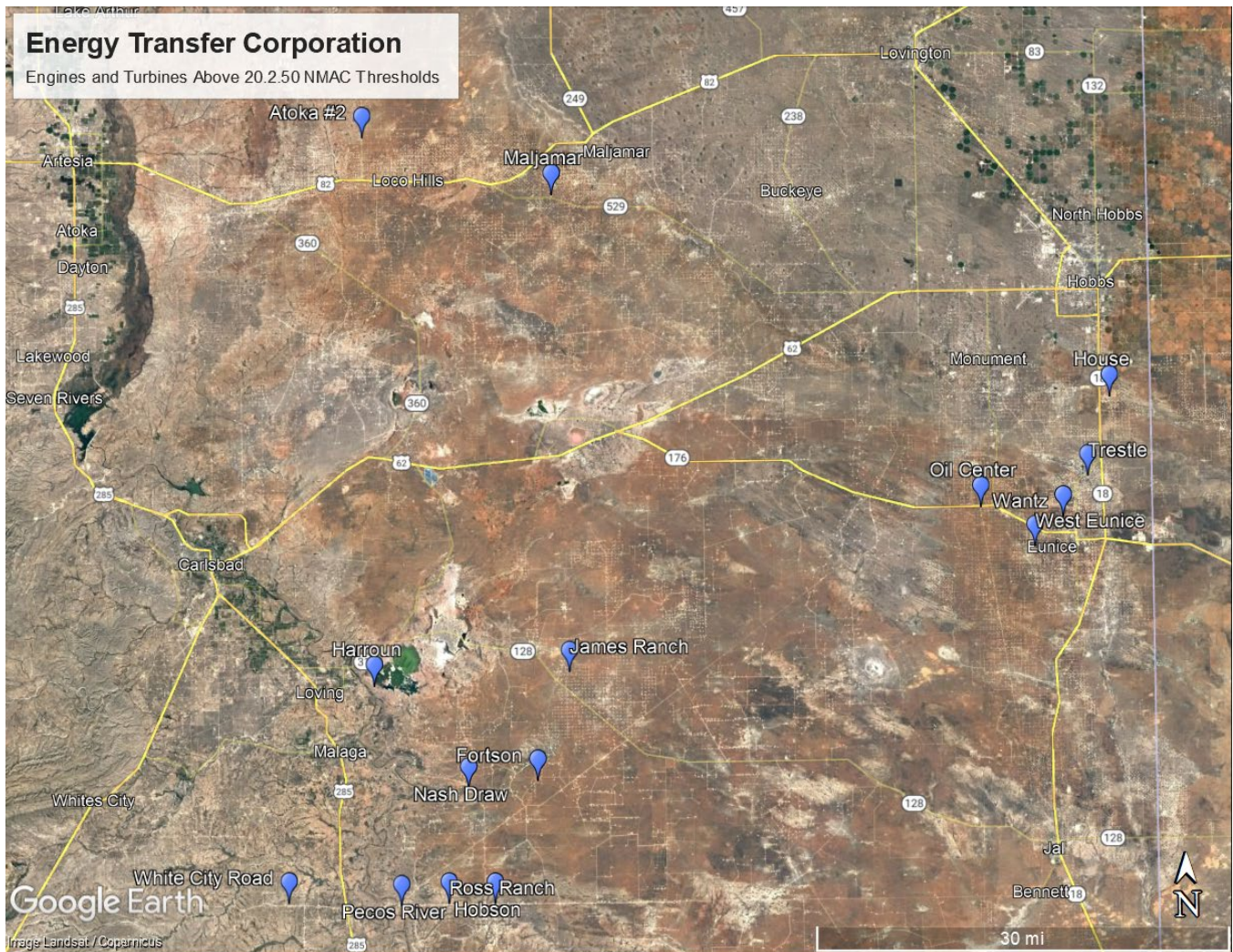
For the purposes of this evaluation, ETC facilities were grouped together. The communities surrounding each facility was evaluated independently.

**Figure 2. Locations of Engines and Turbines above 20.2.50 NMAC Thresholds – Northwest**





**Figure 3. Locations of Engines and Turbines above 20.2.50 NMAC Thresholds – Southeast**



### 4.5.1 High-Level Summary

EJ aspects are moderate for ETC facilities because the demographic indicators that are most frequently analyzed vary for the area encompassing the facilities:

- ◆ Demographic Index: 36% to 60% vs 51% state average
- ◆ People of Color: 55% to 76% vs 62% state average
- ◆ Low Income: 5% to 47% vs 40% state average

Although there is no definitive policy or procedure for EJ Index use, to date EPA has identified the 80<sup>th</sup> percentile as the starting point for identifying areas that may warrant further consideration, analysis, or outreach.<sup>3</sup>

The Federal CLEAN Future Act, as currently introduced, provides insight into being located in an “overburden census tract.” The Act defines this as:

*"Having a greater than 100 in 1 million total cancer risk per the National Air Toxics Assessment (NATA) [or] Having an annual mean concentration of PM<sub>2.5</sub> or greater than 8 micrograms per cubic meter, as determined over the most recent 3-year period for which data are available.*

For the locations of ETC facilities, NATA Cancer Risk and PM<sub>2.5</sub> are below the proposed CLEAN Future Act overburdened census tract thresholds.

### 4.5.2 EJSCREEN Report and Mapping Considerations

#### 4.5.2.1 Proximity Considerations

For ETC, the proximity of the facilities to tribal areas, schools, places of worship, and hospitals, parks, and facilities reporting to the EPA or the NMED were considered and evaluated:

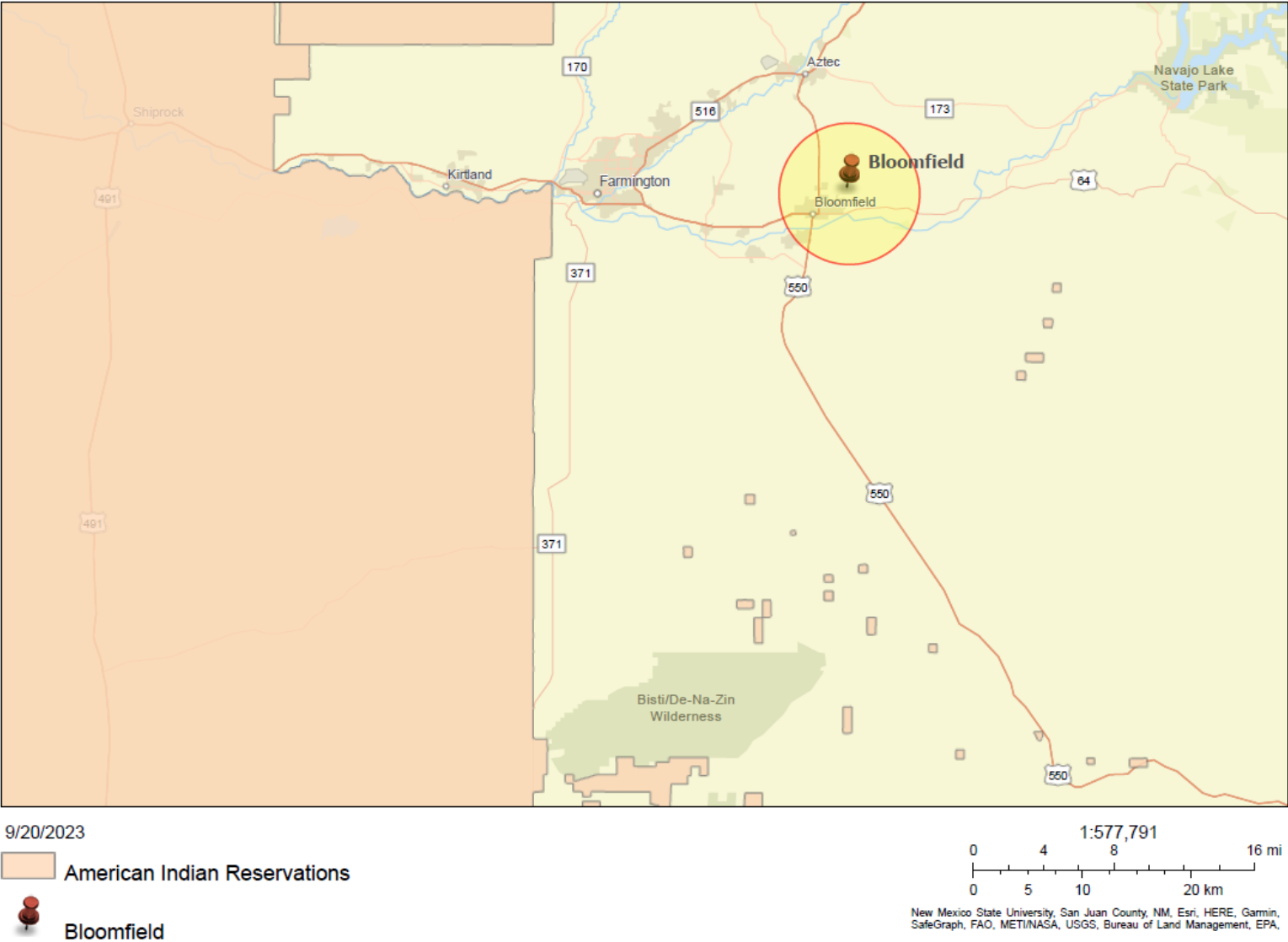
- Tribal Areas
  - ◆ As shown in Figures 2 and 3, the nearest EPA Tribal Area is Off-Reservation Trust land owned by the Navajo Nation.
- Schools, Places of Worship, and Hospitals
  - ◆ As shown in Figures 4 and 5, the following schools are located within a 4-mile radius of an ETC facility:
    - Central Primary;
    - Charlie Y Brown School;
    - Bloomfield Early Childhood Center;
    - Mesa Alta Junior High School;
    - Bloomfield High School;

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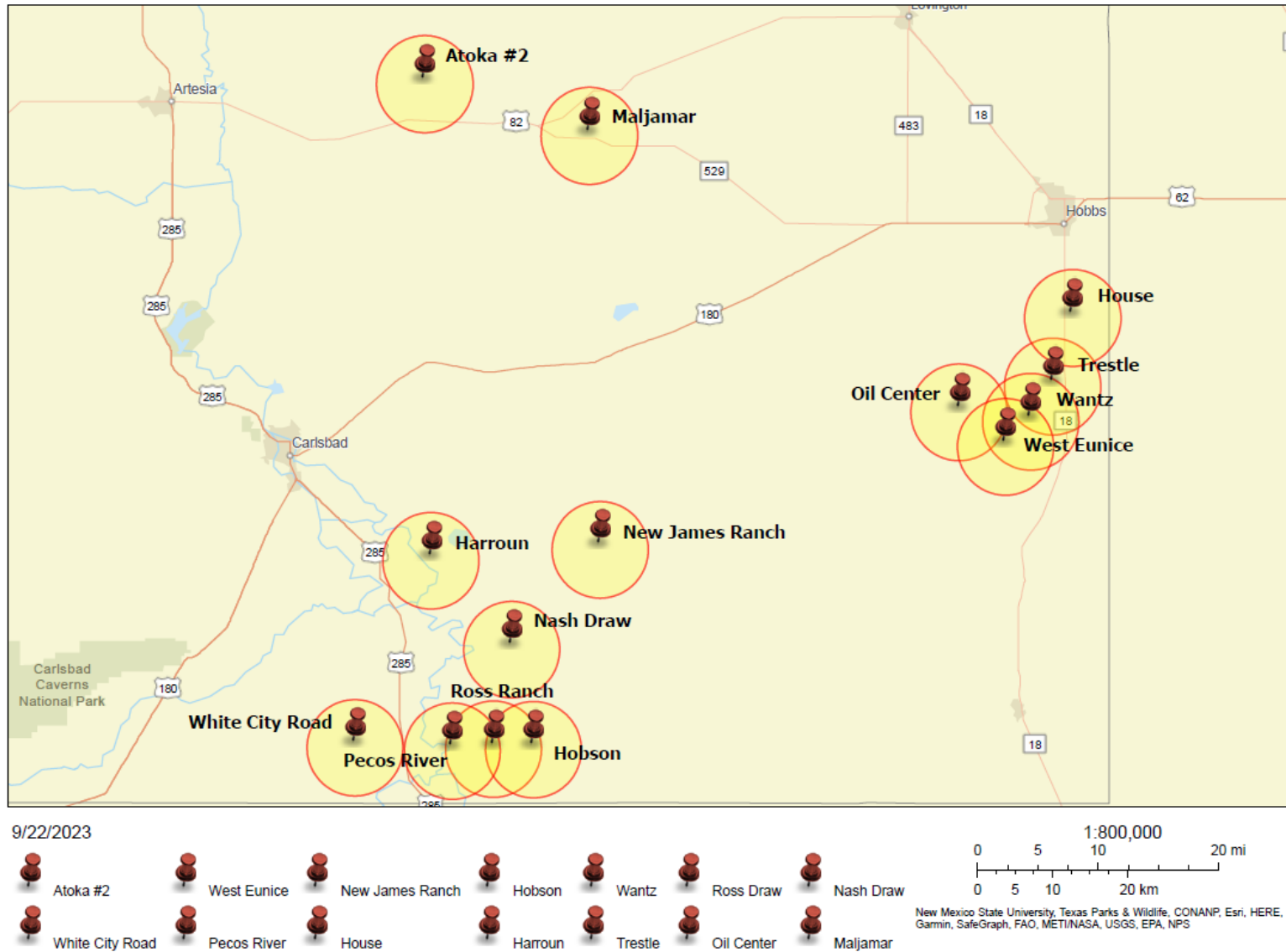
<sup>3</sup> EPA answer to question about EJSCREEN, Does EPA use any filters, benchmarks, or thresholds, as a part of interpreting indicators or indexes found in reports, as part of the screening process? - “In past screening experience, EPA has found it helpful to establish a suggested Agency starting point for the purpose of identifying geographic areas that may warrant further consideration, analysis or outreach. The use of an initial filter promotes consistency and provides a pragmatic first step for EPA programs and regions when interpreting screening results. For early applications of EJSCREEN, EPA identified the 80<sup>th</sup> percentile filter as that initial starting point. As EPA gains further experience and insight into the performance of the tool and its applicability for different uses, program offices and regions may opt to designate starting points that are more inclusive or specifically tailored to meet programmatic needs more effectively. Read the EJSCREEN Technical Documentation for more information on this topic. <https://www.epa.gov/ejscreen/frequent-questions-about-ejscreen>

- Naaba Ani Elementary School;
  - Eunice High School;
  - Caton Middle School; and
  - Mettie Jordan Elementary School
- ♦ There are a total of six places of worship located within a 4-mile radius of an ETC facility.
- ♦ There is one hospital located with a 4-mile radius of an ETC facility.
- Parks
  - ♦ As shown in Figures 6 and 8, there are no National Park Service (NPS) parks in close proximity to ETC facilities.
- Facilities Reporting to EPA (TRI and Superfund) – TRI/RSEI
  - ♦ As shown in Figures 9 and 10, there are four TRI facilities reporting to the EPA within the 4-mile radius of an ETC facility.

**Figure 4. Proximity to Tribal Areas – Northwest**

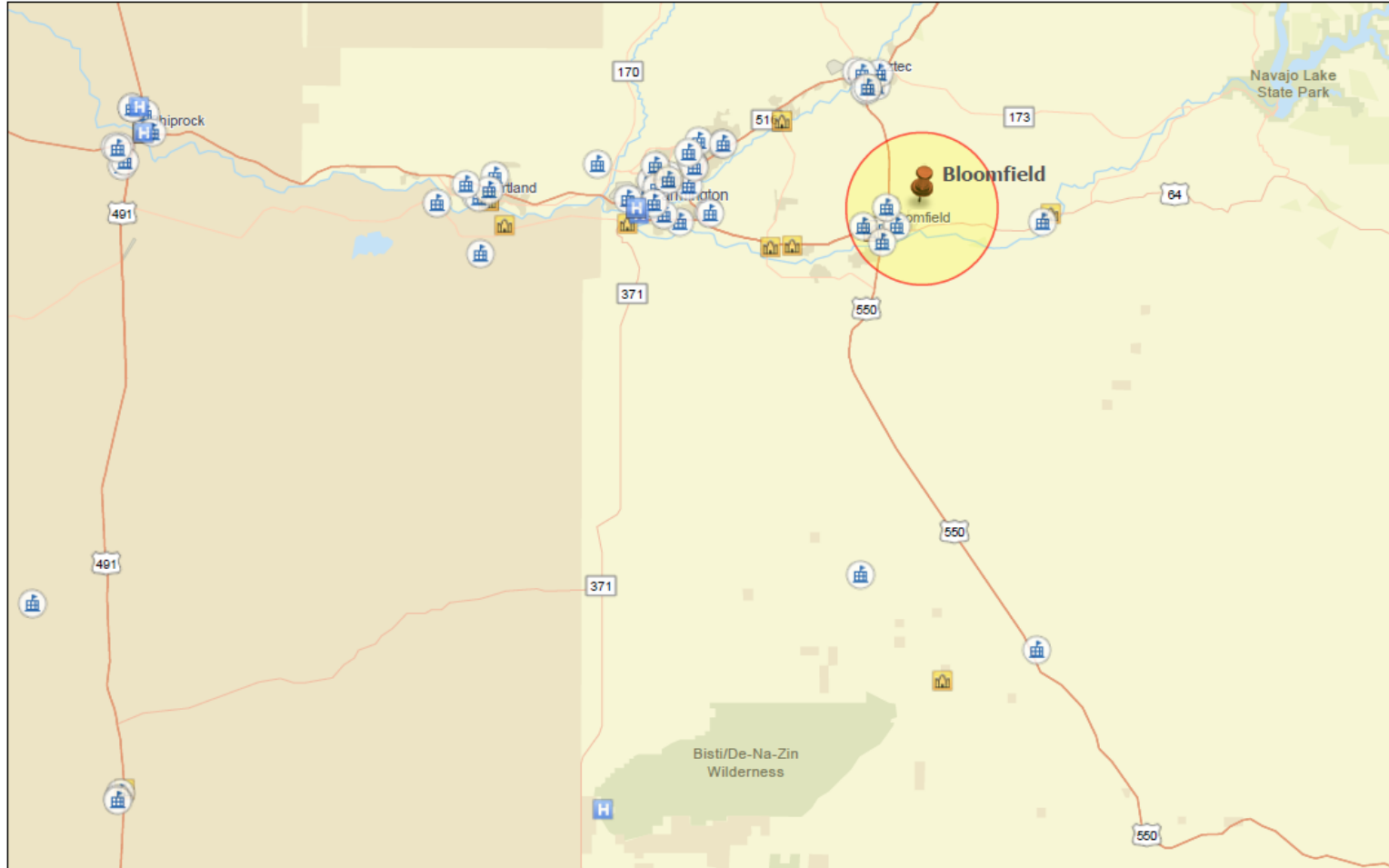


**Figure 5. Proximity to Tribal Areas – Southeast**









**Figure 6. Proximity to Schools, Places of Worship, and Hospitals – Northwest**



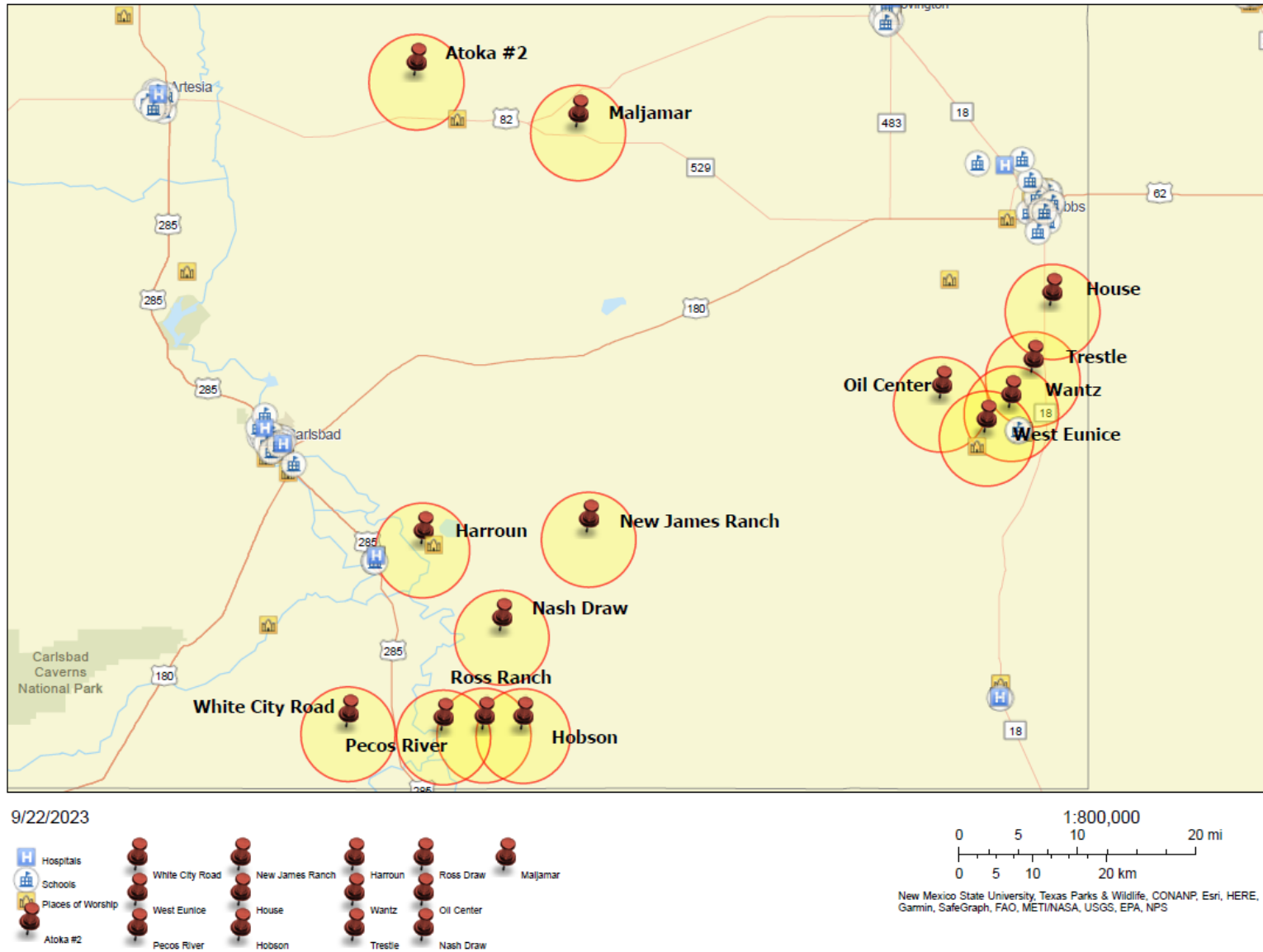
9/20/2023

 Hospitals
  Places of Worship
  Bloomfield
  Schools

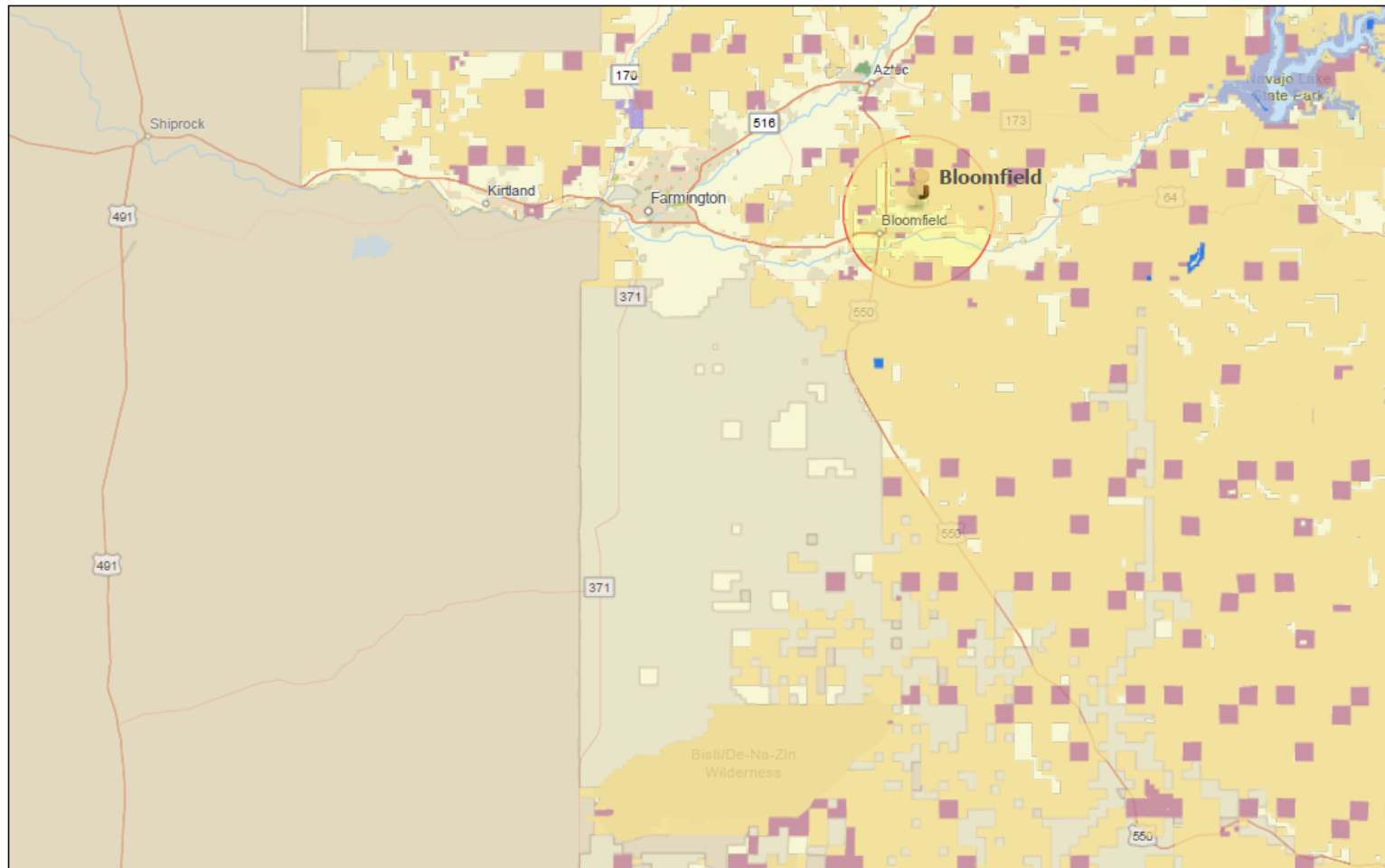
1:577,791  
 0 4 8 16 mi  
 0 5 10 20 km  
 New Mexico State University, San Juan County, NM, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, Bureau of Land Management, EPA,



**Figure 7. Proximity to Schools, Places of Worship, and Hospitals – Southeast**



**Figure 8. Proximity to Parks – Northwest**



9/20/2023

Protected Areas Database of the United States (PAD-US) v3.0

American Indian Areas (Census Bureau)

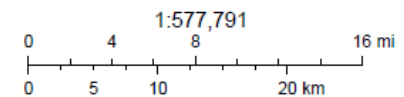
Bureau of Land Management (BLM)

National Park Service (NPS)

Bureau of Reclamation (USBR)

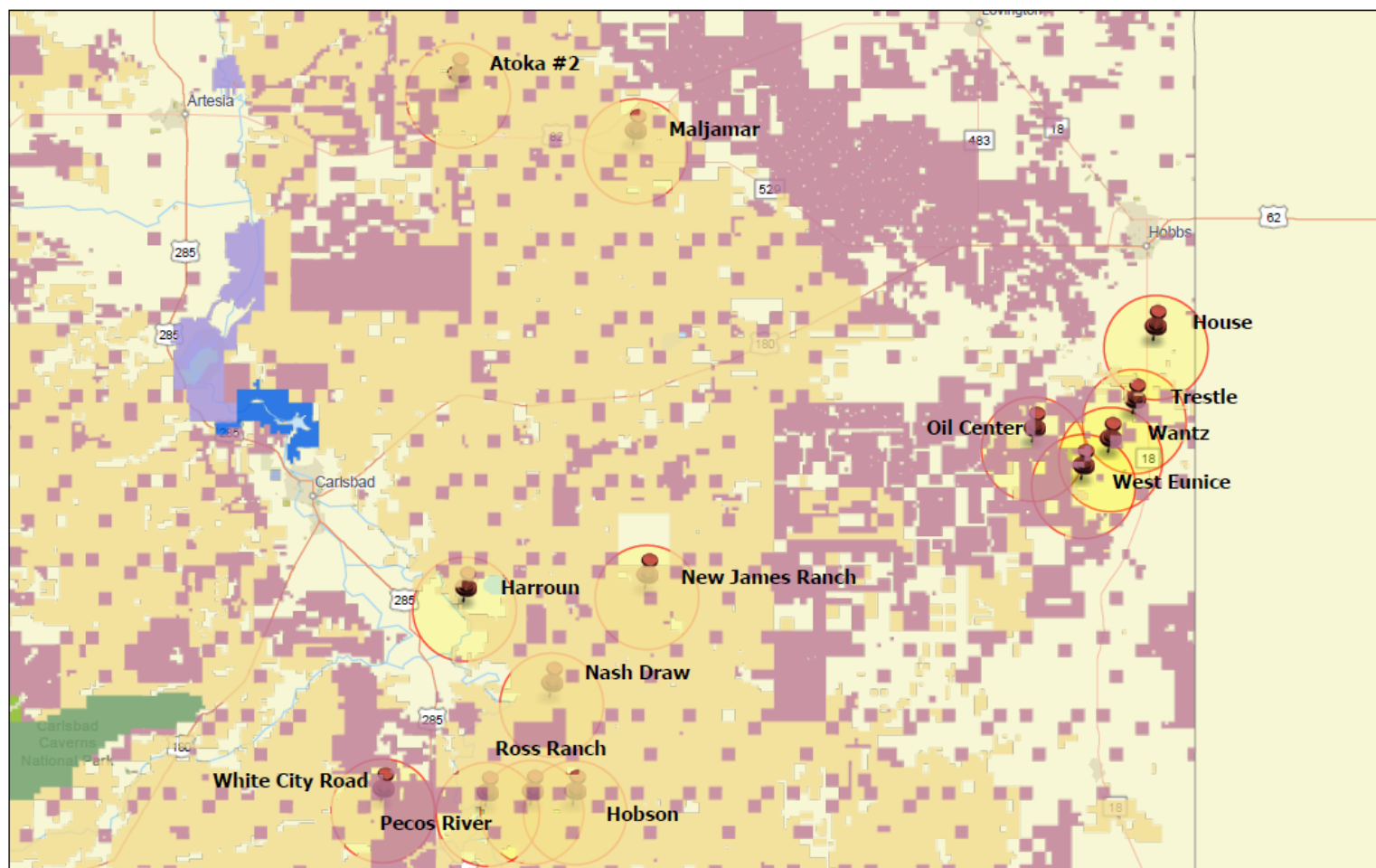
Natural Resources Conservation Service (NRCS)

Non-Governmental Organization



U.S. Geological Survey (USGS) Gap Analysis Project (GAP), 2022, Protected Areas Database of the United States (PAD-US) 3.0: U.S. Geological Survey

**Figure 9. Proximity to Parks – Southeast**



9/22/2023

Protected Areas Database of the United States (PAD-US) v3.0

Bureau of Land Management (BLM)

National Park Service (NPS)

Forest Service (USFS)

Bureau of Reclamation (USBR)

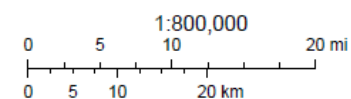
Non-Governmental Organization

State Trust Land

State Fish and Wildlife

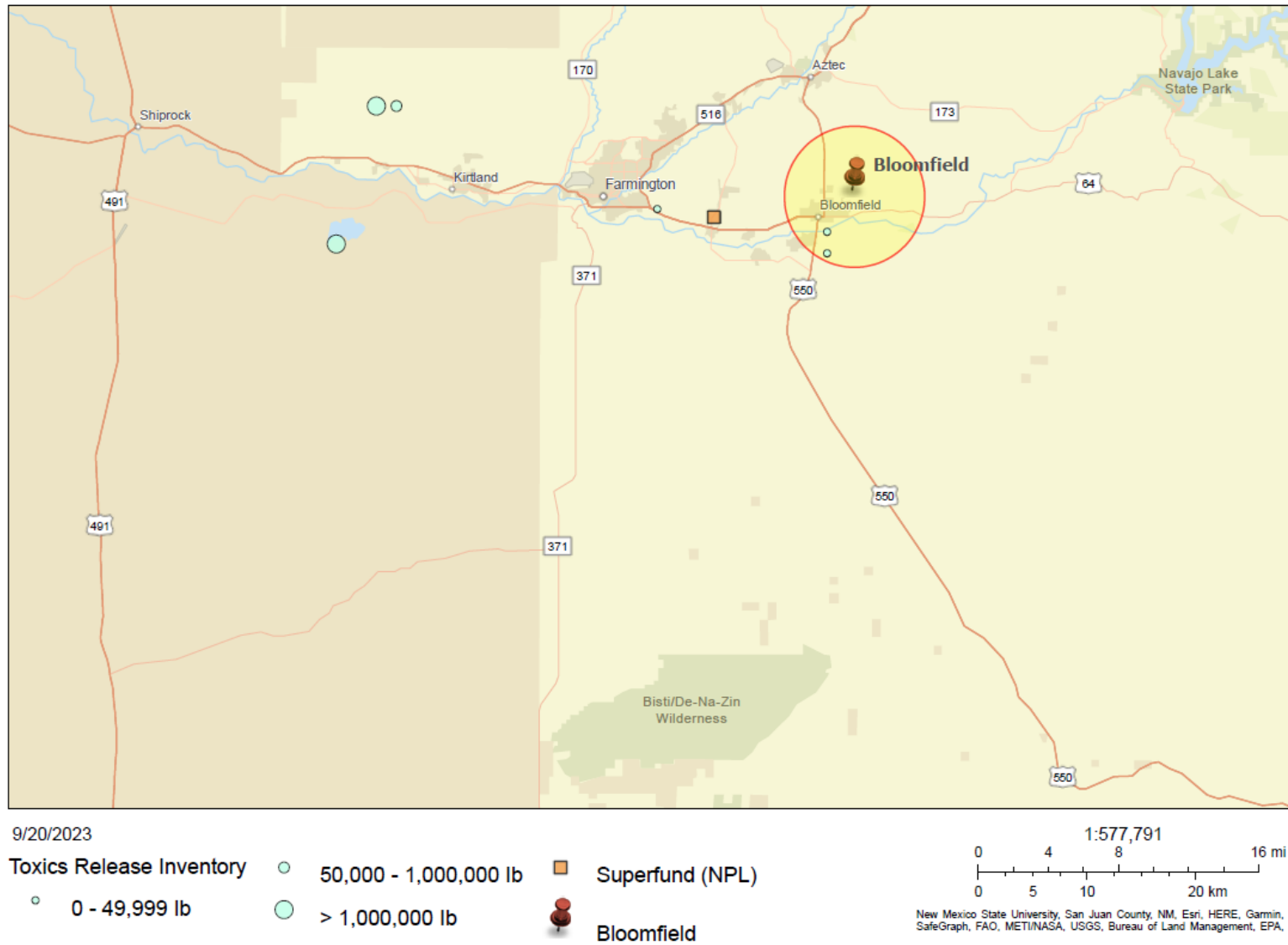
State Park and Recreation

County / Regional Agency Land

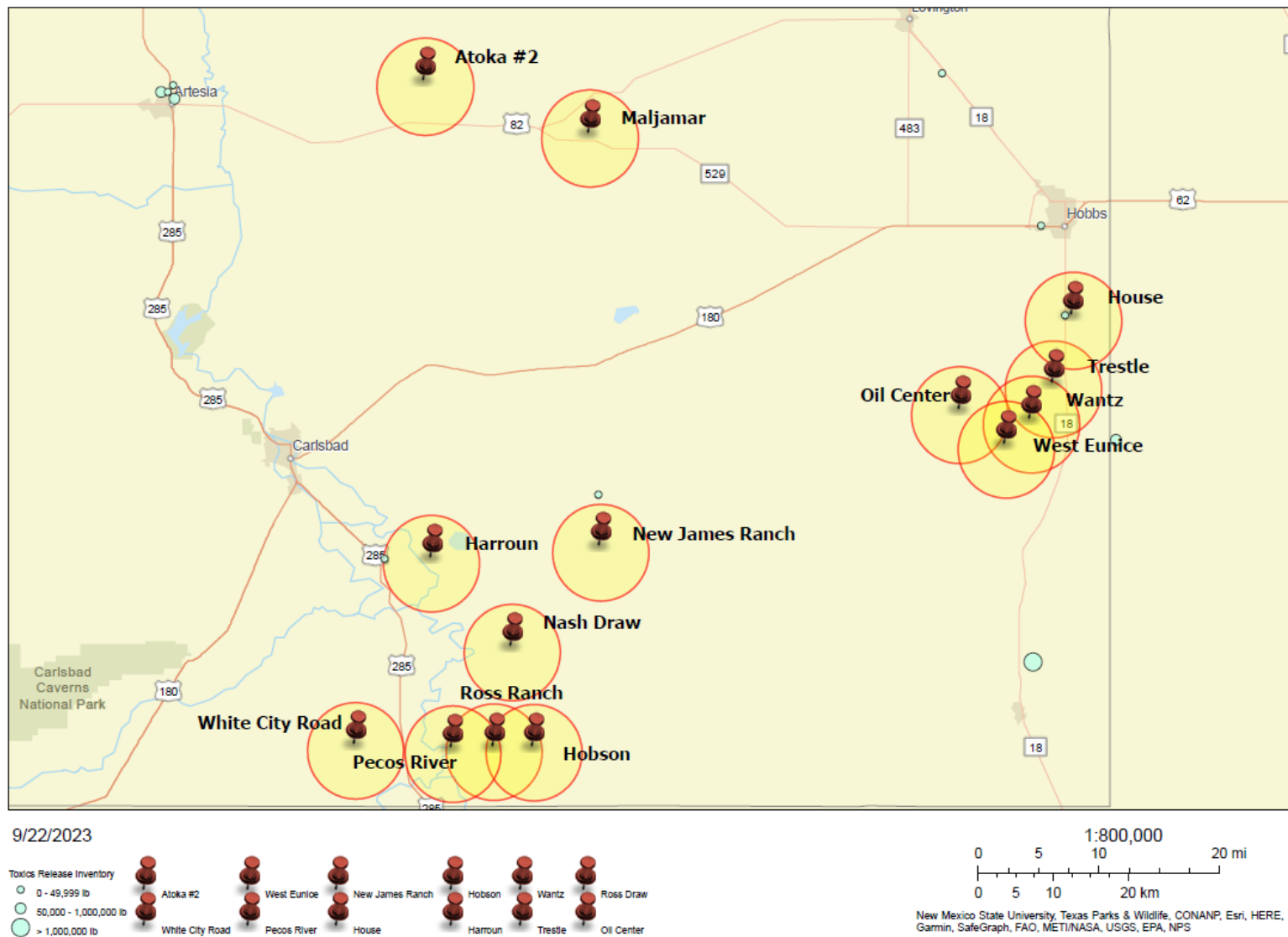


U.S. Geological Survey (USGS) Gap Analysis Project (GAP), 2022, Protected Areas Database of the United States (PAD-US) 3.0: U.S. Geological Survey

**Figure 10. Proximity to Facilities Reporting to EPA (TRI and Superfund) – Northeast**



**Figure 11. Proximity to Facilities Reporting to EPA (TRI and Superfund) – Southwest**



#### *4.5.2.2 Demographic Indicator Considerations*

For the region encompassing the ETC facilities listed in the ACP, there is minimal population (18,482) within 800+ sq. mile area encompassing the facilities location. EJSCREEN demographic indicators were compiled for the 4-mile radius surrounding each facility as can be seen in Table 10. A detailed environmental indicators analysis was conducted for facilities that have **two or more** socioeconomic indicators or **one or more** demographic indicators (People of Color or Low Income) above the 80<sup>th</sup> percentile when compared to either state or national averages. This analysis can be found in Section 4.6 of this ACP.

#### *4.5.2.3 Environmental Indicator Considerations*

For the facilities in New Mexico subject to the ACP, ozone ranges from 61.1 ppb to 74.2 ppb with an average of 70.18 ppb. This average is slightly higher than the state average of 64.7 ppb, placing the region on average in the 86<sup>th</sup> percentile in the state. The average ozone is also higher than the national average (61.6 ppb), placing the region in the 90<sup>th</sup> percentile.

Other Air Quality Indicators show on average results **lower than or equal** to state and national averages, including, Diesel Particulate Matter, Toxic Releases to Air, Traffic Proximity, Superfund Proximity, Hazardous Waste Proximity, Underground Storage Tanks, and Wastewater Discharge.

Particulate Matter small than 2.5 microns (on average 6.39  $\mu\text{g}/\text{m}^3$ ) is slightly higher than the state average (5.16  $\mu\text{g}/\text{m}^3$ ) but is still significantly lower than the national average (8.08  $\mu\text{g}/\text{m}^3$ ).



Table 10. EJSCREEN ETC Facilities in New Mexico

	State Average	USA Average	Atoka #2			Bloomfield			Harroun			Hobson			House			Maljamar		
Population	2,116,000	331,900,000	-			9,949			819			-			318			9		
Indicators	Value	Value	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA
Socioeconomic Indicators																				
Demographic Index	51	35	N/A	N/A	N/A	53	54	77	60	65	83	N/A	N/A	N/A	52	51	76	36	24	59
Supplemental Demographic Index	17	14	N/A	N/A	N/A	19	53	75	20	64	77	N/A	N/A	N/A	17	53	68	9	18	30
People of Color	62	39	N/A	N/A	N/A	60	45	75	76	67	81	N/A	N/A	N/A	56	40	70	66	53	76
Low Income	40	31	N/A	N/A	N/A	46	61	77	45	58	75	N/A	N/A	N/A	47	62	78	5	4	9
Unemployment Rate	7	6	N/A	N/A	N/A	5	54	56	8	67	74	N/A	N/A	N/A	0	0	0	0	0	0
Limited English Speaking	6	5	N/A	N/A	N/A	10	80	85	3	56	68	N/A	N/A	N/A	0	0	0	0	0	0
Less Than High School Education	14	12	N/A	N/A	N/A	14	61	70	22	76	83	N/A	N/A	N/A	12	55	65	24	81	86
Under Age 5	5	6	N/A	N/A	N/A	9	83	83	10	84	85	N/A	N/A	N/A	0	0	0	14	93	95
Over Age 64	19	17	N/A	N/A	N/A	17	49	55	15	40	46	N/A	N/A	N/A	18	54	59	9	20	24
Low Life Expectancy	19	20	N/A	N/A	N/A	19	39	41	20	60	59	N/A	N/A	N/A	23	87	83	17	21	23
Pollution and Sources																				
Particulate Matter 2.5 (µg/m3)	5.16	8.08	N/A	N/A	N/A	4.96	39	3	6.27	84	10	N/A	N/A	N/A	6.71	96	15	6.02	77	8
Ozone (ppb)	64.7	61.6	N/A	N/A	N/A	61.1	12	50	74.2	98	97	N/A	N/A	N/A	71	96	95	67.9	85	88
Diesel Particulate Matter* (µg/m3)	0.194	0.261	N/A	N/A	N/A	0.0457	22	3	0.0242	11	1	N/A	N/A	N/A	0.0394	18	2	0.0246	12	1
Air Toxics Cancer Risk* (lifetime risk per million)	20	28	N/A	N/A	N/A	20	1	1	30	34	5	N/A	N/A	N/A	20	34	5	20	34	5
Air Toxics Respiratory HI*	0.21	0.31	N/A	N/A	N/A	0.3	29	4	0.2	29	4	N/A	N/A	N/A	0.2	29	4	0.2	29	4
Toxic Releases to Air	29	4600	N/A	N/A	N/A	160	98	29	1.6	44	5	N/A	N/A	N/A	3	46	6	4.2	47	6
Traffic Proximity (daily traffic count/distance to road)	84	210	N/A	N/A	N/A	3.4	19	9	0.23	4	0	N/A	N/A	N/A	1.6	14	6	2.8	17	8
Lead Paint (% Pre-1960 Housing)	0.19	0.3	N/A	N/A	N/A	0.095	48	34	0.21	65	49	N/A	N/A	N/A	0.54	89	76	0.14	57	41
Superfund Proximity (site count/km distance)	0.14	0.13	N/A	N/A	N/A	0.092	65	65	0.0094	10	3	N/A	N/A	N/A	0.012	20	5	0.009	7	3
RMP Facility Proximity (facility count/km distance)	0.15	0.43	N/A	N/A	N/A	0.46	92	75	0.94	98	87	N/A	N/A	N/A	0.2	78	57	0.095	50	27
Hazardous Waste Proximity (facility count/km distance)	0.73	1.9	N/A	N/A	N/A	0.059	28	11	0.05	26	9	N/A	N/A	N/A	0.17	48	31	0.078	35	15
Underground Storage Tanks (count/km2)	3.3	3.9	N/A	N/A	N/A	4.1	78	73	1.4	58	53	N/A	N/A	N/A	0.048	31	25	0.0061	24	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.47	22	N/A	N/A	N/A	0.0048	40	61	6.20E-09	2	1	N/A	N/A	N/A	8.00E-12	0	0	2.50E-12	0	0

\*N/A indicates that data is not available or that there is no recorded population within a 4-mile buffer zone of the facility.

Table 10. EJSscreen ETC Facilities in New Mexico (cont.)

	State Average	USA Average	Nash Draw			New James Ranch			Oil Center			Pecos River			Ross Draw			Trestle		
Population	2,116,000	331,900,000	-			12			42			10			-			544		
Indicators	Value	Value	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA
Socioeconomic Indicators																				
Demographic Index	51	35	N/A	N/A	N/A	53	53	77	49	47	74	53	53	35	N/A	N/A	N/A	45	40	69
Supplemental Demographic Index	17	14	N/A	N/A	N/A	20	66	78	16	51	65	20	66	14	N/A	N/A	N/A	16	51	65
People of Color	62	39	N/A	N/A	N/A	62	47	73	63	48	74	62	47	39	N/A	N/A	N/A	56	39	70
Low Income	40	31	N/A	N/A	N/A	43	55	73	36	45	64	43	55	31	N/A	N/A	N/A	34	43	62
Unemployment Rate	7	6	N/A	N/A	N/A	11	78	83	3	37	38	11	78	6	N/A	N/A	N/A	6	55	62
Limited English Speaking	6	5	N/A	N/A	N/A	4	62	73	0	0	0	4	62	5	N/A	N/A	N/A	1	43	57
Less Than High School Education	14	12	N/A	N/A	N/A	21	75	82	26	82	88	21	75	12	N/A	N/A	N/A	24	79	85
Under Age 5	5	6	N/A	N/A	N/A	11	87	89	5	59	54	11	87	6	N/A	N/A	N/A	4	46	39
Over Age 64	19	17	N/A	N/A	N/A	9	19	21	9	20	24	9	19	17	N/A	N/A	N/A	12	30	34
Low Life Expectancy	19	20	N/A	N/A	N/A	20	60	59	16	17	18	20	60	20	N/A	N/A	N/A	16	17	18
Pollution and Sources																				
Particulate Matter 2.5 (µg/m3)	5.16	8.08	N/A	N/A	N/A	6.29	84	10	6.81	97	17	6.29	84	10	N/A	N/A	N/A	6.81	97	17
Ozone (ppb)	64.7	61.6	N/A	N/A	N/A	74.2	98	97	70.8	96	95	74.2	98	97	N/A	N/A	N/A	70.8	96	95
Diesel Particulate Matter* (µg/m3)	0.194	0.261	N/A	N/A	N/A	0.0243	11	1	0.0299	15	1	0.0243	11	1	N/A	N/A	N/A	0.0299	15	1
Air Toxics Cancer Risk* (lifetime risk per million)	20	28	N/A	N/A	N/A	30	87	52	20	34	5	30	87	52	N/A	N/A	N/A	20	34	5
Air Toxics Respiratory HI*	0.21	0.31	N/A	N/A	N/A	0.2	29	4	0.3	69	31	0.2	29	4	N/A	N/A	N/A	0.3	69	31
Toxic Releases to Air	29	4600	N/A	N/A	N/A	0.038	27	2	3.3	46	6	0.038	27	2	N/A	N/A	N/A	3	46	6
Traffic Proximity (daily traffic count/distance to road)	84	210	N/A	N/A	N/A	0.2	4	0	0.008	0	0	0.2	4	0	N/A	N/A	N/A	0.005	0	0
Lead Paint (% Pre-1960 Housing)	0.19	0.3	N/A	N/A	N/A	0.081	45	32	0.29	73	57	0.081	45	32	N/A	N/A	N/A	0.27	71	55
Superfund Proximity (site count/km distance)	0.14	0.13	N/A	N/A	N/A	0.0095	10	3	0.015	23	11	0.0095	10	3	N/A	N/A	N/A	0.015	23	11
RMP Facility Proximity (facility count/km distance)	0.15	0.43	N/A	N/A	N/A	0.64	96	81	0.37	89	71	0.64	96	81	N/A	N/A	N/A	0.43	92	74
Hazardous Waste Proximity (facility count/km distance)	0.73	1.9	N/A	N/A	N/A	0.048	26	9	0.1	40	20	0.048	26	9	N/A	N/A	N/A	0.1	40	20
Underground Storage Tanks (count/km2)	3.3	3.9	N/A	N/A	N/A	0.0076	25	0	0.03	29	24	0.0076	25	0	N/A	N/A	N/A	2.3	66	61
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.47	22	N/A	N/A	N/A	7.80E-09	2	1	0	0	0	7.80E-09	2	1	N/A	N/A	N/A	N/A	N/A	N/A

\*N/A indicates that data is not available or that there is no recorded population within a 4-mile buffer zone of the facility.

Table 10. EJSCREEN ETC Facilities in New Mexico (cont.)

	State Average	USA Average	Nash Draw			New James Ranch			Oil Center		
Population	2,116,000	331,900,000	3,435			3,344			-		
Indicators	Value	Value	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA	Value	%tile in State	%tile in USA
Socioeconomic Indicators											
Demographic Index	51	35	46	41	70	46	41	70	N/A	N/A	N/A
Supplemental Demographic Index	17	14	19	62	75	19	62	75	N/A	N/A	N/A
People of Color	62	39	55	38	59	55	38	69	N/A	N/A	N/A
Low Income	40	31	36	46	64	36	46	65	N/A	N/A	N/A
Unemployment Rate	7	6	7	62	69	7	62	69	N/A	N/A	N/A
Limited English Speaking	6	5	11	82	86	11	82	86	N/A	N/A	N/A
Less Than High School Education	14	12	27	84	89	27	84	89	N/A	N/A	N/A
Under Age 5	5	6	4	49	42	4	48	42	N/A	N/A	N/A
Over Age 64	19	17	14	38	43	14	39	43	N/A	N/A	N/A
Low Life Expectancy	19	20	16	17	18	16	17	18	N/A	N/A	N/A
Pollution and Sources											
Particulate Matter 2.5 (µg/m3)	5.16	8.08	6.81	97	17	6.81	97	17	N/A	N/A	N/A
Ozone (ppb)	64.7	61.6	70.8	96	95	70.8	96	95	N/A	N/A	N/A
Diesel Particulate Matter* (µg/m3)	0.194	0.261	0.0299	15	1	0.0299	15	1	N/A	N/A	N/A
Air Toxics Cancer Risk* (lifetime risk per million)	20	28	20	34	5	20	34	5	N/A	N/A	N/A
Air Toxics Respiratory HI*	0.21	0.31	0.3	69	31	0.3	69	31	N/A	N/A	N/A
Toxic Releases to Air	29	4600	2.5	45	5	2.5	45	5	N/A	N/A	N/A
Traffic Proximity (daily traffic count/distance to road)	84	210	0.003	0	0	0.002	0	0	N/A	N/A	N/A
Lead Paint (% Pre-1960 Housing)	0.19	0.3	0.3	74	58	0.3	74	58	N/A	N/A	N/A
Superfund Proximity (site count/km distance)	0.14	0.13	0.015	23	11	0.015	23	11	N/A	N/A	N/A
RMP Facility Proximity (facility count/km distance)	0.15	0.43	0.57	94	78	0.54	95	78	N/A	N/A	N/A
Hazardous Waste Proximity (facility count/km distance)	0.73	1.9	0.1	40	20	0.1	40	20	N/A	N/A	N/A
Underground Storage Tanks (count/km2)	3.3	3.9	3.6	75	70	3.7	76	71	N/A	N/A	N/A
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.47	22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*N/A indicates that data is not available or that there is no recorded population within a 4-mile buffer zone of the facility.

## 4.6 Additional Analysis for Communities Above 80<sup>th</sup> Percentile Socioeconomic Indicators

### 4.6.1 Bloomfield

The community surrounding the Bloomfield facility was below the 80<sup>th</sup> percentile when compared to state and national averages for all socioeconomic indicators except for Limited English Speaking (85<sup>th</sup> percentile in USA) and Under Age 5 (83<sup>rd</sup> percentile in State and USA). Further analysis was conducted on the proximity of the surrounding community to pollution and sources.

The following EJSCREEN pollution and source indicators are **below or equal to** the state averages:

- ◆ Particulate Matter 2.5
- ◆ Ozone
- ◆ Diesel Particulate Matter
- ◆ Air Toxics Cancer Risk
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Wastewater Discharge

The following EJSCREEN demographic indicators are **below or equal to** the national averages:

- ◆ Particulate Matter 2.5
- ◆ Ozone
- ◆ Diesel Particulate Matter
- ◆ Air Toxics Cancer Risk
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Wastewater Discharge

Additionally, Particulate Matter 2.5, Diesel Particulate Matter, Air Toxics Cancer Risk, Air Toxics Respiratory HI, Traffic Proximity, Lead Paint, and Hazardous Waste Proximity are all below the 50<sup>th</sup> percentile when compared to both the state and national averages. The community surrounding the Bloomfield facility is below the proposed Clean Future Act overburdened census tract thresholds for NATA Cancer Risk and PM<sub>2.5</sub>.

### 4.6.2 Harroun

The community surrounding the Harroun facility was below the 80<sup>th</sup> percentile when compared to state and national averages for all socioeconomic indicators except for Demographic Index (83<sup>rd</sup> percentile in USA), People of Color (81<sup>st</sup> percentile in USA), Less Than High School Education (83<sup>rd</sup> percentile in USA), Population Under Age 5 (84<sup>th</sup> percentile in state and 85<sup>th</sup> percentile in USA). Further analysis was conducted on the proximity of the surrounding community to pollution and sources.

The following EJSCREEN pollution and source indicators are **below or equal to** the state averages:

- ◆ Diesel Particulate Matter
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Underground Storage Tanks
- ◆ Wastewater Discharge

The following EJSCREEN demographic indicators are **below or equal to** the national averages:

- ◆ Particulate Matter 2.5
- ◆ Diesel Particulate Matter
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Underground Storage Tanks
- ◆ Wastewater Discharge

Additionally, Diesel Particulate Matter, Air Toxics Cancer Risk, Air Toxics Respiratory HI, Toxic Releases to Air, Traffic Proximity, Superfund Proximity, Hazardous Waste Proximity, and Wastewater Discharge are all below the 50<sup>th</sup> percentile when compared to both the state and national averages. The community surrounding the Harroun facility is below the proposed Clean Future Act overburdened census tract thresholds for NATA Cancer Risk and PM<sub>2.5</sub>.

#### 4.6.3 Maljamar

The community surrounding the Maljamar facility was below the 80<sup>th</sup> percentile when compared to state and national averages for all socioeconomic indicators except for Less than High School Education (81<sup>st</sup> percentile in state and 86<sup>th</sup> percentile in USA) and Under Age 5 (93<sup>rd</sup> percentile in State and 95<sup>th</sup> percentile in USA). Further analysis was conducted on the proximity of the surrounding community to pollution and sources.

The following EJSCREEN pollution and source indicators are **below or equal to** the state averages:

- ◆ Diesel Particulate Matter
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ RMP Facility Proximity
- ◆ Hazardous Waste Proximity
- ◆ Underground Storage Tanks
- ◆ Wastewater Discharge

The following EJSCREEN demographic indicators are **below or equal to** the national averages:

- ◆ Particulate Matter 2.5
- ◆ Diesel Particulate Matter

- ◆ Air Toxics Cancer Risk
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ RMP Facility Proximity
- ◆ Hazardous Waste Proximity
- ◆ Underground Storage Tanks
- ◆ Wastewater Discharge

Additionally, Diesel Particulate Matter, Air Toxics Cancer Risk, Air Toxics Respiratory HI, Toxic Releases to Air, Traffic Proximity, Superfund Proximity, RMP Facility Proximity, Hazardous Waste Proximity, Underground Storage Tanks, and Wastewater Discharge are all below the 50<sup>th</sup> percentile when compared to both the state and national averages. The community surrounding the Maljamar facility is below the proposed Clean Future Act overburdened census tract thresholds for NATA Cancer Risk and PM<sub>2.5</sub>. Risk and PM<sub>2.5</sub>.

#### 4.6.4 New James Ranch

The community surrounding the New James Ranch facility was below the 80<sup>th</sup> percentile when compared to state and national averages for all socioeconomic indicators except for Unemployment Rate (83<sup>rd</sup> percentile in USA), Less Than High School Education (82<sup>nd</sup> percentile in USA), and Population Under Age 5 (87<sup>th</sup> percentile in state and 89<sup>th</sup> percentile in USA). Further analysis was conducted on the proximity of the surrounding community to pollution and sources.

The following EJSCREEN pollution and source indicators are **below or equal to** the state averages:

- ◆ Diesel Particulate Matter
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Underground Storage Tanks
- ◆ Wastewater Discharge

The following EJSCREEN demographic indicators are **below or equal to** the national averages:

- ◆ Particulate Matter 2.5
- ◆ Diesel Particulate Matter
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Underground Storage Tanks
- ◆ Wastewater Discharge



Additionally, Diesel Particulate Matter, Air Toxics Respiratory HI, Toxic Releases to Air, Traffic Proximity, Lead Paint, Superfund Proximity, Hazardous Waste Proximity, Underground Storage Tanks, and Wastewater Discharge are all below the 50<sup>th</sup> percentile when compared to both the state and national averages. The community surrounding the New James Ranch facility is below the proposed Clean Future Act overburdened census tract thresholds for NATA Cancer Risk and PM<sub>2.5</sub>.

#### 4.6.5 Wantz

The community surrounding the Wantz facility was below the 80<sup>th</sup> percentile when compared to state and national averages for all socioeconomic indicators except for Limited English Speaking (82<sup>nd</sup> percentile in state and 86<sup>th</sup> percentile in USA) and Less Than High School Education (84<sup>th</sup> percentile in State and 89<sup>th</sup> percentile in USA). Further analysis was conducted on the proximity of the surrounding community to pollution and sources.

The following EJSCREEN pollution and source indicators are **below or equal to** the state averages:

- ◆ Diesel Particulate Matter
- ◆ Air Toxics Cancer Risk
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Wastewater Discharge

The following EJSCREEN demographic indicators are **below or equal to** the national averages:

- ◆ Particulate Matter 2.5
- ◆ Diesel Particulate Matter
- ◆ Air Toxics Cancer Risk
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Underground Storage Tanks
- ◆ Wastewater Discharge

Additionally, Diesel Particulate Matter, Air Toxics Cancer Risk, Toxic Releases to Air, Traffic Proximity, Superfund Proximity, Hazardous Waste Proximity, and Wastewater Discharge are all below the 50<sup>th</sup> percentile when compared to both the state and national averages. The community surrounding the Wantz facility is below the proposed Clean Future Act overburdened census tract thresholds for NATA Cancer Risk and PM<sub>2.5</sub>.

#### 4.6.6 West Eunice

The community surrounding the West Eunice facility was below the 80<sup>th</sup> percentile when compared to state and national averages for all socioeconomic indicators except for Limited English Speaking (82<sup>nd</sup> percentile in state and 86<sup>th</sup> percentile in USA) and Less Than High School Education (84<sup>th</sup> percentile in State and 89<sup>th</sup> percentile in USA). Further analysis was conducted on the proximity of the surrounding community to pollution and sources.

The following EJSCREEN pollution and source indicators are **below or equal to** the state averages:

- ◆ Diesel Particulate Matter
- ◆ Air Toxics Cancer Risk
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Wastewater Discharge

The following EJSCREEN demographic indicators are **below or equal to** the national averages:

- ◆ Particulate Matter 2.5
- ◆ Diesel Particulate Matter
- ◆ Air Toxics Cancer Risk
- ◆ Air Toxics Respiratory HI
- ◆ Toxic Releases to Air
- ◆ Traffic Proximity
- ◆ Lead Paint
- ◆ Superfund Proximity
- ◆ Hazardous Waste Proximity
- ◆ Underground Storage Tanks
- ◆ Wastewater Discharge

Additionally, Diesel Particulate Matter, Air Toxics Cancer Risk, Toxic Releases to Air, Traffic Proximity, Superfund Proximity, Hazardous Waste Proximity, and Wastewater Discharge are all below the 50<sup>th</sup> percentile when compared to both the state and national averages. The community surrounding the West Eunice facility is below the proposed Clean Future Act overburdened census tract thresholds for NATA Cancer Risk and PM<sub>2.5</sub>.

#### **4.6.7 Summary of Facilities in New Mexico**

Facilities and surrounding communities in New Mexico that were identified as needing an additional analysis and evaluated by ETC were determined to not be significantly impacted by surrounding pollution and sources as shown by the pollution and sources indicators. Additionally, the communities surrounding each of the facilities in New Mexico are below the proposed Clean Future Act overburdened census tract thresholds for NATA Cancer Risk and PM<sub>2.5</sub>.

## 5. THIRD PARTY CERTIFICATION

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September 29, 2023

Alena Miro  
Energy Transfer Company  
2564 Pecos Hwy  
Carlsbad, NM 88220

**RE:     Alternative Compliance Plan  
          20.2.50.113.B(10)(a) NMAC  
          Third Party Review and Certification**

Dear Ms. Miro:

Third Shift Enterprises LLC has completed its third-party review of Energy Transfer Company's (Energy Transfer) proposed Alternative Compliance Plan (ACP) per the requirements of 20.2.50.113.B(10)(a) NMAC. This third-party review by Third Shift Enterprises LLC certifies that the proposed Energy Transfer's ACP is complete and sufficient.

**Executive Summary**

Energy Transfer is submitting a proposed ACP for NOx and CO emissions from all combustion engines and turbines in their fleet at the locations presented in the ACP.

The reductions in allowable emissions are proposed to be achieved through retirement of certain existing engines and turbines, adding controls for certain engines, and re-permitting and reducing enforceable emission limits for certain engines and turbines based on actual stack test data. Third Shift Enterprises LLC has verified the method used to determine the value and the accuracy of the results. The proposed ACP would fulfill the requirements in emissions reductions per the regulation. In addition, Third Shift Enterprises LLC has verified that the requirement to include an inventory of engines and turbines subject to the ACP has been met.

Based on the information provided in the proposed ACP, Third Shift Enterprises LLC has verified that, based on the methodologies followed under the Environmental Justice Considerations section of the ACP, the National Air Toxics Cancer Risk and the annual mean concentration of PM2.5 are below the proposed CLEAN Future Act overburden census tract thresholds. The Environmental Justice review further determined that facilities and surrounding communities are not significantly impacted by surrounding emission sources as demonstrated by pollution and source indicators values from EPA's EJSCREEN analysis included in the proposed ACP.

This third-party review by Third Shift Enterprises LLC certifies that the proposed ACP by Energy Transfer is complete and sufficient.

## **Introduction**

Each existing engine and stationary combustion turbine evaluated in the proposed Alternative Compliance Plan (ACP) is subject to the applicable emissions standards in Table 1 of Paragraph (2) and Table 3 of Paragraph (7) of Subsection B of 20.2.50.113 NMAC. In lieu of meeting the emissions standards for individual turbines and engines, 20.2.50.113.B(10) NMAC allows for an owner or operator to comply with emission standards through an ACP.

Under 20.2.50.113.B(10)(a) NMAC, it is required that a proposed ACP undergoes an independent third-party review and certification prior to submittal to the New Mexico Environment Department (NMED). The owner or operator must contract with an independent third-party engineering or consulting firm to conduct a technical and regulatory review of the proposed ACP. A proposed ACP must be approved by the New Mexico Environment Department (NMED) before it can be implemented.

## **ACP Review and Certification**

Energy Transfer is submitting a proposed ACP for NO<sub>x</sub> and CO emissions from all combustion engines and turbines in their fleet at the locations presented in the ACP.

The following requirement in 20.2.50.113.B(10) NMAC must be met for an ACP:

*B(10) In lieu of complying with the emission standards for individual engines and turbines established in Subsection B of 20.2.50.113 NMAC, an owner or operator may elect to comply with the emission standards through an Alternative Compliance Plan (ACP) approved by the department. An ACP must include the list of engines or turbines subject to the ACP, and a demonstration that the total allowable emissions for the engines or turbines subject to the ACP will not exceed the total allowable emissions under the emission standards of this Part. Prior to submitting a proposed ACP to the Department, the owner or operator shall comply with the following:*

- (a) The owner or operator shall contract with an independent third-party engineering or consulting firm to conduct a technical and regulatory review of the ACP proposal. The selected firm shall review the proposal to determine if it meets the requirements of this Part and shall prepare and certify an evaluation of the proposed ACP indicating whether the ACP proposal adheres to the requirements of this Part.*

Pursuant to 20.2.50.113.B(2), Energy Transfer conducted an inventory of their turbines and engines (Tables 3 and 4) and conducted stack testing for certain units in their fleet. The results of the stack testing showed that some units have been permitted at higher emission rates than where they are performing. In the ACP, Energy Transfer proposes to re-permit some of the over-permitted annual turbine and engine emission rates based on more accurate and actual stack test data. In addition, Energy Transfer proposes to retire certain engines and turbines and install controls on certain engines. This will reduce enforceable emissions to meet the rules emission limits.

Currently permitted annual emission rates for NOx and CO stack testing results were evaluated for certain units. Third Shift Enterprises LLC reviewed and verified permitted emission rates and stack test data that was made available for review in the provided ACP to confirm the methodology used to calculate and reduce emissions. Additional safety factors to enable flexibility for future stack testing were applied for some units.

Third Shift Enterprises LLC agrees with the approach Energy Transfer is proposing in the ACP to reach the required emission standards, assuming that NMED will authorize the proposed re-permitting of sources during the permit revision application reviews. The total emission rate allowed by the standard was calculated by summing the allowable emission limits for each engine and turbine from all facilities included in the ACP. The final Net Emissions compared to the regulatory limits were -96.86 tpy of NOx and -2.29 tpy of CO as listed in Table 7. These values were verified to be accurate.

The reductions in allowable emissions that are proposed to be achieved through re-permitting and reducing enforceable emission limits for certain engines and turbines are based on actual stack test data. Third Shift Enterprises LLC verified the method used to determine the value and the accuracy of the results.

When combined with the proposed combustion unit retirement and the proposed added controls, the proposed reductions in emissions through permitting would fulfill the requirements in emissions reductions per the regulation. In addition, Third Shift Enterprises LLC has verified that the requirement to include an inventory of engines and turbines subject to the ACP has been met.

### **Environmental Justice Considerations**

The ozone precursor rule under 20.2.50 NMAC does not require any evaluation of environmental justice considerations. Similar to NMED's development of Public Involvement Plans (PIPs) for processing air quality permit applications, Energy Transfer voluntarily included Environmental Justice considerations in the proposed ACP.

The proposed ACP shows that some units will remain above the emissions requirements of Subsection B of 20.2.50.113 NMAC for NOx and CO on an individual basis. For these units, an initial filter screening, as described in Section 4.2 of the proposed ACP, was conducted. For the purposes of this evaluation, Energy Transfer facilities were grouped by geographic location, Northwest New Mexico and Southeast New Mexico. The community surrounding each facility was evaluated independently for both socioeconomic indicators and pollution and source indicators, as necessary.

Based on the information provided in the proposed ACP, Third Shift Enterprises LLC has verified that, based on the methodologies followed under the Environmental Justice Considerations section of the ACP, the National Air Toxics Cancer Risk and the annual mean concentration of PM2.5 are below the proposed CLEAN Future Act overburden census tract thresholds. The Environmental Justice review further determined that facilities and surrounding communities are not significantly impacted by surrounding



emission sources as demonstrated by pollution and source indicators values from EPA's EJSCREEN analysis included in the proposed ACP.

This letter report summarizes the third-party review by Third Shift Enterprises LLC and certifies that the proposed ACP by Energy Transfer is complete and sufficient.

## **APPENDIX A. STACK TEST RESULTS**

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## EMISSIONS TEST REPORT

### New Mexico Environment Department Periodic Test

<b>Report #</b>	20230706_N02
<b>Test Date</b>	Jul 06, 2023

#### Performed For:

ETC Texas Pipeline, Ltd.  
800 E. Sonterra Boulevard, Suite 400  
San Antonio, TX 78258

**Location:** Hobson Booster Station, Unit 7073, Eddy County, NM

**Engine:** Caterpillar G3516LE, WPW00453

#### Performed By:

##### Slipstream Environmental Services, LLC

Mobile Lab: Lab N  
772 Airfield Lane  
Sheridan, WY 82801  
josh.canfield@slipstreames.com  
307-760-5262

#### Certification:

I certify, to the best of my knowledge, the test results are accurate and representative of the emissions from this source

*Caroline Weathers*

Caroline Weathers  
Slipstream Environmental Services, LLC  
901-383-0377  
Caroline.weathers@slipstreames.com

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	scf/hr	9,286.13	9,310.01	9,301.96	9,246.43
<b>O2 Percentage</b>	%	8.36	8.31	8.37	8.39
<b>Adjusted O2 Percentage</b>	%	8.39	8.35	8.41	8.43
<b>Exhaust Flow Rate</b>	scf/hr	136,829.75	136306.07	136836.85	136237.81
<b>Engine Power</b>	bhp	1,116.16	1,119.42	1,118.32	1,110.74
<b>Engine Load</b>	%	83.30	83.54	83.46	82.89
<b>Speed</b>	RPM	1,323.33	1,325.00	1,315.00	1,330.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		80.94	81.85	80.74	80.24
ppm at 15% O2		38.03	38.31	37.97	37.81
lb/MMBTU HHV		0.09	0.09	0.09	0.08
g/bhp-hr		0.33	0.33	0.33	0.33
lb/hr	5.60	0.81	0.81	0.81	0.80
ton/yr		3.53	3.56	3.53	3.49
<b>NOx</b>					
ppmvd		170.69	172.48	169.75	169.83
ppm at 15% O2		80.20	80.74	79.84	80.03
lb/MMBTU HHV		0.29	0.30	0.29	0.29
g/bhp-hr		1.13	1.14	1.13	1.13
lb/hr	4.40	2.79	2.82	2.78	2.77
ton/yr		12.22	12.33	12.19	12.14

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.
- 2.) Load percentage indicates maximum achievable load based on operating conditions on day of testing.



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



Version 1/1/2010

NMED USE ONLY	
DTS	
TEMPO	

## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

NMED USE ONLY	
Staff	
Admin	

Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>37864</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Bennetville Compressor Station</b>	
f. Emission Unit Numbers: <b>ENG-1(201)</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3606</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 7/24/23</b>	j. Actual test date: <b>7/24/23</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#7291M1, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Str., Suite 700</b>			k.. Facility Address: <b>32.06898, -103.20497</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence Rasco</b>		f. Title: <b>Env. Specialist</b>		o. Facility Contact: <b>Larry Hummel</b>	
g. Phone Number: <b>N/A</b>		h. Cell Number: <b>432-888-9312</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>Clarence.Rasco@energytransfer.com</b>		q. Phone Number:		r. Cell Number: <b>432-425-2433</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>larry.hummel@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#7291M1</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Jal, travel south on S 3rd St. for 1.3 miles. Continue onto NM-205 S for 1.8 miles. Turn left onto Bennetville Rd. for 0.2 miles and facility is on the left.</b>					

III. TESTING FIRM		
a. Company: <b>Slipstream Environmental Services, LLC</b>		g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>		h. Title: <b>Co-Owner</b>
c. Address 2:	i. Office Phone:	j. Cell Phone: <b>307-760-5262</b>

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	scf/hr	11,097	11,107	10,925	11,259
<b>O2 Percentage</b>	%	11.53	11.34	11.63	11.62
<b>Adjusted O2 Percentage</b>	%	11.53	11.34	11.63	11.61
<b>Exhaust Flow Rate</b>	scf/hr	218,590	214,618	217,702	224,100
<b>Engine Power</b>	bhp	1,473	1,475	1,447	1,498
<b>Engine Load</b>	%	83.00	83.08	81.51	84.40
<b>Speed</b>	RPM	1,001	1,005	998	1,000
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		38.06	37.91	38.37	37.90
ppm at 15% O2		23.96	23.38	24.41	24.08
lb/MMBTU HHV		0.05	0.05	0.05	0.05
g/bhp-hr	1.37	0.19	0.18	0.19	0.19
lb/hr	5.36	0.61	0.59	0.61	0.62
ton/yr		2.66	2.60	2.67	2.71
<b>NOx</b>					
ppmvd		53.14	65.69	46.69	47.03
ppm at 15% O2		33.37	40.52	29.71	29.88
lb/MMBTU HHV		0.12	0.15	0.11	0.11
g/bhp-hr	0.50	0.43	0.52	0.38	0.38
lb/hr	1.96	1.39	1.69	1.22	1.26
ton/yr		6.08	7.39	5.33	5.53
<b>VOC</b>					
ppmvd		13.94	13.68	14.06	14.09
ppm at 15% O2		8.78	8.44	8.95	8.95
lb/MMBTU HHV		0.03	0.03	0.03	0.03
g/bhp-hr	0.44	0.11	0.10	0.11	0.11
lb/hr		0.35	0.34	0.35	0.36
ton/yr		1.53	1.48	1.54	1.59

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.





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



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## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

NMED USE ONLY	
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Admin	

Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>37864</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Bennetville Compressor Station</b>	
f. Emission Unit Numbers: <b>ENG-2(202)</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3606</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 7/24/23</b>	j. Actual test date: <b>7/25/23</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#7291M1, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Str., Suite 700</b>			k.. Facility Address: <b>32.06898, -103.20497</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence Rasco</b>		f. Title: <b>Env. Specialist</b>		o. Facility Contact: <b>Larry Hummel</b>	
g. Phone Number: <b>N/A</b>		h. Cell Number: <b>432-888-9312</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>Clarence.Rasco@energytransfer.com</b>		q. Phone Number:		r. Cell Number: <b>432-425-2433</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>larry.hummel@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#7291M1</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Jal, travel south on S 3rd St. for 1.3 miles. Continue onto NM-205 S for 1.8 miles. Turn left onto Bennetville Rd. for 0.2 miles and facility is on the left.</b>					

III. TESTING FIRM		
a. Company: <b>Slipstream Environmental Services, LLC</b>		g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>		h. Title: <b>Co-Owner</b>
c. Address 2:		i. Office Phone: <b>307-760-5262</b>
		j. Cell Phone:

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	scf/hr	11,601.01	11,690.40	11,575.42	11,537.20
<b>O2 Percentage</b>	%	11.81	11.75	11.81	11.87
<b>Adjusted O2 Percentage</b>	%	11.84	11.77	11.84	11.90
<b>Exhaust Flow Rate</b>	scf/hr	236,233.29	235979.00	235193.94	235962.57
<b>Engine Power</b>	bhp	1,565.18	1,579.47	1,561.08	1,554.98
<b>Engine Load</b>	%	88.18	88.98	87.95	87.60
<b>Speed</b>	RPM	952.00	956.00	947.00	953.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		35.94	34.95	36.11	36.76
ppm at 15% O2		23.26	22.45	23.38	23.96
lb/MMBTU HHV		0.05	0.05	0.05	0.05
g/bhp-hr	1.37	0.18	0.17	0.18	0.18
lb/hr	5.36	0.62	0.60	0.62	0.63
ton/yr		2.70	2.63	2.71	2.77
<b>NOx</b>					
ppmvd		39.79	42.27	39.69	37.41
ppm at 15% O2		25.76	27.15	25.70	24.39
lb/MMBTU HHV		0.09	0.10	0.09	0.09
g/bhp-hr	0.50	0.33	0.34	0.32	0.31
lb/hr	1.96	1.12	1.19	1.12	1.06
ton/yr		4.92	5.23	4.90	4.63
<b>VOC</b>					
ppmvd		7.98	8.14	7.94	7.86
ppm at 15% O2		5.17	5.23	5.14	5.12
lb/MMBTU HHV		0.02	0.02	0.02	0.02
g/bhp-hr	0.44	0.06	0.06	0.06	0.06
lb/hr		0.22	0.22	0.21	0.21
ton/yr		0.95	0.96	0.94	0.93

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.
- 2.) Load percentage indicates maximum achievable load based on operating conditions on day of testing.



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



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## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

NMED USE ONLY	
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Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>37864</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Bennetville Compressor Station</b>	
f. Emission Unit Numbers: <b>ENG-3(203)</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3606</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 7/24/23</b>	j. Actual test date: <b>7/24/23</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#7291M1, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Str., Suite 700</b>			k.. Facility Address: <b>32.06898, -103.20497</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence Rasco</b>		f. Title: <b>Env. Specialist</b>		o. Facility Contact: <b>Larry Hummel</b>	
g. Phone Number: <b>N/A</b>		h. Cell Number: <b>432-888-9312</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>Clarence.Rasco@energytransfer.com</b>		q. Phone Number:		r. Cell Number: <b>432-425-2433</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>larry.hummel@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#7291M1</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Jal, travel south on S 3rd St. for 1.3 miles. Continue onto NM-205 S for 1.8 miles. Turn left onto Bennetville Rd. for 0.2 miles and facility is on the left.</b>					

III. TESTING FIRM		
a. Company: <b>Slipstream Environmental Services, LLC</b>		g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>		h. Title: <b>Co-Owner</b>
c. Address 2:		i. Office Phone: <b>307-760-5262</b>
		j. Cell Phone:

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	sf <sup>3</sup> /hr	11,669	11,710	11,532	11,764
<b>O2 Percentage</b>	%	11.17	11.09	11.16	11.27
<b>Adjusted O2 Percentage</b>	%	11.23	11.13	11.21	11.33
<b>Exhaust Flow Rate</b>	dsft <sup>3</sup> /hr	222,727	220,551	218,721	225,678
<b>Engine Power</b>	bhp	1,563	1,570	1,542	1,578
<b>Engine Load</b>	%	88.08	88.44	86.86	88.92
<b>Speed</b>	RPM	1,000	1,000	1,000	1,000
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		34.94	34.94	34.75	35.13
ppm at 15% O2		21.31	21.11	21.17	21.65
lb/MMBTU HHV		0.05	0.05	0.05	0.05
g/bhp-hr	1.37	0.16	0.16	0.16	0.17
lb/hr	5.36	0.57	0.56	0.56	0.58
ton/yr		2.49	2.47	2.44	2.55
<b>NOx</b>					
ppmvd		52.12	54.41	52.62	49.34
ppm at 15% O2		31.78	32.87	32.05	30.41
lb/MMBTU HHV		0.12	0.12	0.12	0.11
g/bhp-hr	0.50	0.40	0.42	0.41	0.39
lb/hr	1.96	1.39	1.44	1.39	1.34
ton/yr		6.09	6.32	6.07	5.88
<b>VOC</b>					
ppmvd		7.07	7.41	6.97	6.83
ppm at 15% O2		4.31	4.48	4.25	4.21
lb/MMBTU HHV		0.02	0.02	0.01	0.01
g/bhp-hr	0.44	0.05	0.05	0.05	0.05
lb/hr		0.18	0.19	0.18	0.18
ton/yr		0.79	0.83	0.77	0.78

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.



New Mexico Environment Department  
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Santa Fe, NM 87505  
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## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

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Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>37864</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Bennetville Compressor Station</b>	
f. Emission Unit Numbers: <b>ENG-4</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3606</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 3/6/23</b>	j. Actual test date: <b>3/8/23</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#7291M1, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Street, Suite 700</b>			k.. Facility Address: <b>32.06898, -103.20497</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence Rasco</b>		f. Title: <b>Sr.Tech Specialist</b>		o. Facility Contact: <b>Larry Hummel</b>	
g. Phone Number: <b>432-888-9312</b>		h. Cell Number: <b>575-390-6032</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>clarence.rasco@energytransfer.com</b>		q. Phone Number: <b>N/A</b>		r. Cell Number: <b>432-425-2433</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>larry.hummel@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#7291M1</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Jal, NM travel S on S 3rd St. for 1.3 miles. Continue onto NM-205 S for 1.8 miles. Turn left onto Bennetville Rd. for 0.2 miles and facility is on the left.</b>					

III. TESTING FIRM		
a. Company: <b>Slipstream Environmental Services, LLC</b>		g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>		h. Title: <b>Co-Owner</b>
c. Address 2:		i. Office Phone: <b>307-760-5262</b>

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	scf/hr	10,022.31	9,712.62	10,113.32	10,241.00
<b>O2 Percentage</b>	%	11.12	11.15	11.12	11.09
<b>Adjusted O2 Percentage</b>	%	10.98	11.00	10.98	10.96
<b>Exhaust Flow Rate</b>	scf/hr	186,556.60	184,039.45	191,046.42	192,867.05
<b>Engine Power</b>	bhp	1,310.10	1,264.01	1,323.57	1,342.71
<b>Engine Load</b>	%	73.81	71.21	74.57	75.65
<b>Speed</b>	RPM	1,004.33	1,008.00	1,001.00	1,004.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		13.73	13.84	13.70	13.67
ppm at 15% O2		8.13	8.20	8.10	8.07
lb/MMBTU HHV		0.02	0.02	0.02	0.02
g/bhp-hr	1.37	0.06	0.07	0.06	0.06
lb/hr	5.36	0.19	0.18	0.19	0.19
ton/yr		0.82	0.80	0.82	0.83
<b>NOx</b>					
ppmvd		51.14	49.67	51.12	52.62
ppm at 15% O2		30.26	29.45	30.25	31.08
lb/MMBTU HHV		0.11	0.11	0.11	0.11
g/bhp-hr	0.50	0.39	0.39	0.39	0.40
lb/hr	1.96	1.14	1.08	1.15	1.20
ton/yr		4.99	4.71	5.04	5.24
<b>VOC</b>					
ppmvd		6.32	6.46	6.55	5.95
ppm at 15% O2		3.74	3.83	3.87	3.52
lb/MMBTU HHV		0.01	0.01	0.01	0.01
g/bhp-hr	0.44	0.05	0.05	0.05	0.04
lb/hr		0.13	0.13	0.14	0.13
ton/yr		0.59	0.59	0.62	0.57

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.





New Mexico Environment Department  
525 Camino de los Marquez, Suite 1  
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## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

NMED USE ONLY	
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Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>24106</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Fortson Compressor Station</b>	
f. Emission Unit Numbers: <b>4</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3516ULB</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 2/27/23</b>	j. Actual test date: <b>3/1/23</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#3223M2, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Street, Suite 700</b>			k.. Facility Address: <b>32.191944, -103.828056</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence Rasco</b>		f. Title: <b>Sr.Tech Specialist</b>		o. Facility Contact: <b>David Jaquez</b>	
g. Phone Number: <b>432-888-9312</b>		h. Cell Number: <b>575-390-6032</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>clarence.rasco@energytransfer.com</b>		q. Phone Number: <b>N/A</b>		r. Cell Number: <b>432-290-5836</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>david.jaquez@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#3223M2</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Malaga, NM, go N onto US HWY 285 N for 5.4 miles. Turn right onto Carter Rd and stay right for 1.3 miles. Turn right onto NM-31 for 6.5 miles. Turn right onto NM-128 E for 12.8 miles. Turn right on Twin Wells Rd for 7 miles. Turn left on lease road and go 1.7 miles. Turn left for 0.1 miles and facility is on the left.</b>					

### III. TESTING FIRM

a. Company: <b>Slipstream Environmental Services, LLC</b>	g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>	h. Title: <b>Co-Owner</b>

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	scf/hr	7,504.04	7,581.50	7,427.20	7,503.41
<b>O2 Percentage</b>	%	8.98	8.72	9.11	9.11
<b>Adjusted O2 Percentage</b>	%	9.04	8.77	9.19	9.18
<b>Exhaust Flow Rate</b>	scf/hr	120,026.84	118,062.67	119,466.49	120,696.31
<b>Engine Power</b>	bhp	976.91	988.48	965.45	976.80
<b>Engine Load</b>	%	72.20	73.06	71.36	72.20
<b>Speed</b>	RPM	1,302.00	1,300.00	1,304.00	1,302.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		1.53	1.59	1.52	1.48
ppm at 15% O2		0.76	0.77	0.76	0.74
lb/MMBTU HHV		0.00	0.00	0.00	0.00
g/bhp-hr	2.00	0.01	0.01	0.01	0.01
lb/hr	5.97	0.01	0.01	0.01	0.01
ton/yr		0.06	0.06	0.06	0.06
<b>NOx</b>					
ppmvd		66.25	104.85	46.92	46.97
ppm at 15% O2		32.84	50.80	23.53	23.54
lb/MMBTU HHV		0.12	0.19	0.09	0.09
g/bhp-hr	1.00	0.44	0.68	0.32	0.32
lb/hr	2.98	0.95	1.48	0.67	0.68
ton/yr		4.16	6.50	2.95	2.98
<b>VOC</b>					
ppmvd		15.96	11.26	17.75	18.86
ppm at 15% O2		7.91	5.46	8.90	9.45
lb/MMBTU HHV		0.03	0.02	0.03	0.03
g/bhp-hr	0.70	0.10	0.07	0.11	0.12
lb/hr		0.22	0.15	0.24	0.26
ton/yr		0.96	0.67	1.07	1.15

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.

# **POST MAINTENANCE TEST REPORT**

## **EXHAUST EMISSIONS TEST**

FROM ONE

**CATERPILLAR G3516 COMPRESSOR ENGINE**

**UNIT NUMBER: 7063**

**SERIAL NUMBER: WPW01628**

IN SERVICE AT THE

**HAWK COMPRESSOR STATION**

NEAR

**EUNICE, LEA COUNTY, TEXAS**

PREPARED FOR

**ETC TEXAS PIPELINE, LTD**

JULY 29, 2020

PROJECT NUMBER: 0928PM

PREPARED BY



## Summary of Results

<b>Company:</b>	ETC Texas Pipeline, Ltd
<b>Location:</b>	Hawk Compressor Station
	Eunice, Lea County, NM
<b>Source:</b>	Caterpillar G3516 S/N: WPW01628
<b>Engine Rating:</b>	1340
<b>Technician:</b>	RAT

Test Run Number		1
Unit		7063
Date		7/29/2020
Start Time		9:47
Stop Time		10:02
Unit Operational Data		
Engine Speed (rpm)		1216
Unit Horse Power		1191
Compressor Load (%) {Based on Manufacture Spec		88.9%
Compressor Suction Pressure (psig)		14
1st Interstage Pressure (psig)		81
2nd Interstage Pressure (psig)		244
Compressor Discharge Pressure (psig)		607
Intake Manifold Air Pressure (psig)		24.6
Intake Manifold Air Temperature (°F)		134.6
Engine Timing (°BTDC)		29.5
Engine Hours		17695
Pre-Converter Temperature (°F)		644
Post-Converter Temperature (°F)		607
Fuel Data		
Fuel Consumption (lb/hr)		401.0
Fuel Consumption (SCFH)		6654
O2 F-Factor (DSCF/MMBtu, HHV basis)		8732
Fuel Heating Value (Btu/SCF, HHV basis)		1321
BHp Specific Fuel Rate (Btu/Hp-hr, HHV basis)		7381
BHp Specific Fuel Rate (Btu/Hp-hr, LHV basis)		6650
Ambient Conditions		
Pressure Altitude (MSL)		3100
Atmospheric Pressure ("Hg)		26.74
Dry Bulb Temperature (°F)		89
Wet Bulb Temperature (°F)		68
Humidity (lb/lb air)		0.0112
Measured Exhaust Emissions		
O <sub>2</sub> (% Vol)		10.30
NOx (ppmvd)		87.09
CO (ppmvd)		132.09
Exhaust Flow Rate (DSCFH)		
Dry SCFH (dry basis, calc. from Hp/BSFR/HHV)		1.51E+05
Calculated Mass Emission Rates (Based on btu Specific Fuel Rate BSFR)		
NOx (g/hp-hr)		0.60
CO (g/hp-hr)		0.55
NOx (lbs/hr) {Permit Limit = 2.0}		1.57
CO (lbs/hr) {Permit Limit = 3.0}		1.45
NOx (tons/yr)		6.89
CO (tons/yr)		6.36



## EMISSIONS TEST REPORT

### New Mexico Environment Department Periodic Test

<b>Report #</b>	20230906_K01
<b>Test Date</b>	Sep 06, 2023

#### Performed For:

ETC Texas Pipeline, Ltd.  
800 E. Sonterra Blvd. Suite 400  
San Antonio, TX 78258-3941

**Location:** Hobson Booster Station, Unit 7072, Eddy County, NM

**Engine:** Caterpillar G3516LE, 4EK04487

#### Performed By:

##### Slipstream Environmental Services, LLC

Mobile Lab: Lab K  
772 Airfield Lane  
Sheridan, WY 82801  
josh.canfield@slipstreames.com  
307-760-5262

#### Certification:

I certify, to the best of my knowledge, the test results are accurate and representative of the emissions from this source

*Caroline Weathers*

Caroline Weathers  
Slipstream Environmental Services, LLC  
901-383-0377  
Caroline.weathers@slipstreames.com

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	scf/hr	10,550	10,564	10,553	10,534
<b>O2 Percentage</b>	%	8.57	8.56	8.57	8.57
<b>Adjusted O2 Percentage</b>	%	8.54	8.54	8.54	8.54
<b>Exhaust Flow Rate</b>	scf/hr	157,284	157,786	157,745	157,459
<b>Engine Power</b>	bhp	1,284	1,286	1,285	1,282
<b>Engine Load</b>	%	95.84	95.98	95.86	95.66
<b>Speed</b>	RPM	1,380	1,380	1,380	1,380
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		3.46	3.47	3.46	3.46
ppm at 15% O2		1.65	1.65	1.65	1.65
lb/MMBTU HHV		0.00	0.00	0.00	0.00
g/bhp-hr		0.01	0.01	0.01	0.01
lb/hr	5.60	0.04	0.04	0.04	0.04
ton/yr		0.17	0.17	0.17	0.17
<b>NOx</b>					
ppmvd		230.82	232.25	230.97	229.26
ppm at 15% O2		110.18	110.87	110.24	109.42
lb/MMBTU HHV		0.40	0.41	0.40	0.40
g/bhp-hr		1.53	1.54	1.54	1.52
lb/hr	4.40	4.34	4.38	4.35	4.31
ton/yr		19.03	19.17	19.04	18.87

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.
- 2.) Load percentage indicates maximum achievable load based on operating conditions on day of testing.



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



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## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

NMED USE ONLY	
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Admin	

Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>570</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Jal #4 Compressor Station</b>	
f. Emission Unit Numbers: <b>2</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3516ULB</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 3/21/22</b>	j. Actual test date: <b>3/21/22</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#5059M1, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Street, Suite 700</b>			k.. Facility Address: <b>10 miles N. of Jal, NM</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City: <b>Jal</b>	m. State: <b>NM</b>	n. Zip: <b>88252</b>
e. Environmental Contact: <b>Clarence E. Rasco</b>		f. Title: <b>Sr.Tech Specialist</b>		o. Facility Contact: <b>Larry Hummel</b>	
g. Phone Number: <b>N/A</b>		h. Cell Number: <b>575-390-6032</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>clarence.rasco@energytransfer.com</b>		q. Phone Number: <b>N/A</b>		r. Cell Number: <b>432-425-2433</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>larry.hummel@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#5059M1</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Jal, NM travel N. onto NM-18 N. for 9.7 miles. Turn left onto Deep Wells Rd. for 0.4 miles. Turn right and stay right for 0.2 miles and the facility is on the right.</b>					

III. TESTING FIRM		
a. Company: <b>Slipstream Environmental Services, LLC</b>		g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>		h. Title: <b>Co-Owner</b>
c. Address 2:		i. Office Phone: <b>307-760-5262</b>
		j. Cell Phone:

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	sft <sup>3</sup> /hr	7,993.39	8,337.63	7,880.34	7,762.19
<b>O2 Percentage</b>	%	8.62	8.63	8.64	8.59
<b>Adjusted O2 Percentage</b>	%	8.66	8.65	8.68	8.63
<b>Exhaust Flow Rate</b>	dsft <sup>3</sup> /hr	120,305.47	125339.78	118564.59	116139.35
<b>Engine Power</b>	bhp	1,011.78	1,063.20	994.78	977.36
<b>Engine Load</b>	%	73.32	77.04	72.09	70.82
<b>Speed</b>	RPM	1,162.67	1,161.00	1,162.00	1,165.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		48.96	47.08	44.31	55.48
ppm at 15% O2		23.49	22.59	21.31	26.57
lb/MMBTU HHV		0.05	0.05	0.05	0.06
g/bhp-hr	1.46	0.19	0.18	0.17	0.22
lb/hr		0.43	0.43	0.38	0.47
ton/yr		1.88	1.88	1.68	2.06
<b>NOx</b>					
ppmvd		87.56	73.83	70.40	118.45
ppm at 15% O2		42.02	35.42	33.85	56.73
lb/MMBTU HHV		0.15	0.13	0.12	0.21
g/bhp-hr	1.00	0.56	0.47	0.46	0.77
lb/hr		1.26	1.11	1.00	1.65
ton/yr		5.51	4.85	4.38	7.23
<b>VOC</b>					
ppmvd		10.40	10.39	9.86	10.95
ppm at 15% O2		4.99	4.98	4.74	5.25
lb/MMBTU HHV		0.02	0.02	0.02	0.02
g/bhp-hr	0.24	0.06	0.06	0.06	0.07
lb/hr		0.14	0.15	0.13	0.15
ton/yr		0.63	0.65	0.59	0.64

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.





New Mexico Environment Department  
525 Camino de los Marquez, Suite 1  
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## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

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Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>570</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Jal #4 Compressor Station</b>	
f. Emission Unit Numbers: <b>3</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3516ULB</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Wk of 11/21/2022</b>	j. Actual test date: <b>11/22/22</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#5059M1, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Street, Suite 700</b>			k.. Facility Address: <b>32.255675, -103.19461</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence Rasco</b>		f. Title: <b>Sr.Tech Specialist</b>		o. Facility Contact: <b>Larry Hummel</b>	
g. Phone Number: <b>432-888-9312</b>		h. Cell Number: <b>575-390-6032</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>clarence.rasco@energytransfer.com</b>		q. Phone Number: <b>N/A</b>		r. Cell Number: <b>432-425-2433</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>Larry.Hummel@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#5059M1</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Jal, travel N onto NM-18 N for 9.7 miles. Turn left onto Deep Wells Rd for 0.4 miles. Turn right and stay right for 0.2 miles and facility is on the right.</b>					

III. TESTING FIRM		
a. Company: <b>Slipstream Environmental Services, LLC</b>		g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>		h. Title: <b>Co-Owner</b>
c. Address 2:	i. Office Phone:	j. Cell Phone: <b>307-760-5262</b>

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	scf/hr	9,622.28	9,646.39	9,671.25	9,549.21
<b>O2 Percentage</b>	%	8.99	8.94	8.96	9.08
<b>Adjusted O2 Percentage</b>	%	8.94	8.93	8.92	8.98
<b>Exhaust Flow Rate</b>	scf/hr	152,797.58	152,879.03	153,523.53	153,407.28
<b>Engine Power</b>	bhp	1,310.72	1,314.82	1,319.07	1,298.26
<b>Engine Load</b>	%	94.98	95.28	95.59	94.08
<b>Speed</b>	RPM	1,253.00	1,251.00	1,254.00	1,254.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		24.45	24.36	24.46	24.54
ppm at 15% O2		12.02	11.95	12.00	12.10
lb/MMBTU HHV		0.03	0.03	0.03	0.03
g/bhp-hr	1.46	0.09	0.09	0.09	0.09
lb/hr	4.44	0.27	0.27	0.27	0.27
ton/yr		1.19	1.19	1.19	1.19
<b>NOx</b>					
ppmvd		101.54	101.96	100.85	101.82
ppm at 15% O2		49.90	50.04	49.47	50.21
lb/MMBTU HHV		0.18	0.18	0.18	0.18
g/bhp-hr	1.00	0.64	0.64	0.64	0.65
lb/hr	3.04	1.85	1.86	1.85	1.85
ton/yr		8.12	8.16	8.09	8.11
<b>VOC</b>					
ppmvd		8.57	4.46	8.00	13.25
ppm at 15% O2		4.21	2.19	3.92	6.53
lb/MMBTU HHV		0.01	0.01	0.01	0.02
g/bhp-hr	0.24	0.05	0.03	0.05	0.08
lb/hr	0.73	0.15	0.08	0.14	0.23
ton/yr		0.66	0.34	0.62	1.01

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.



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## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

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Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>29606</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Pecos River Compressor Station</b>	
f. Emission Unit Numbers: <b>8</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3606TALE</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 1/2/23</b>	j. Actual test date: <b>1/3/2023</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#4262M4, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Street, Suite 700</b>			k.. Facility Address: <b>32.06279, -103.9982</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence Rasco</b>		f. Title: <b>Sr.Tech Specialist</b>		o. Facility Contact: <b>David Jaquez</b>	
g. Phone Number: <b>432-888-9312</b>		h. Cell Number: <b>575-390-6032</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>clarence.rasco@energytransfer.com</b>		q. Phone Number: <b>N/A</b>		r. Cell Number: <b>575-290-5836</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>david.jaquez@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#4262M4</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Malaga, travel south on US Hwy 285 S for 12.5 miles. Turn left onto Whitehorn Rd and go 2.4 miles. Take a slight left onto Longhorn Rd for 1.9 miles. Take a slight right onto Whitehorn Rd and Facility will be on the left.</b>					

III. TESTING FIRM	
a. Company: <b>Slipstream Environmental Services, LLC</b>	g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>	h. Title: <b>Co-Owner</b>

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	sft <sup>3</sup> /hr	11,990.39	12,068.47	11,955.81	11,946.90
<b>O2 Percentage</b>	%	12.00	12.00	12.00	12.01
<b>Adjusted O2 Percentage</b>	%	11.95	11.96	11.95	11.95
<b>Exhaust Flow Rate</b>	dsft <sup>3</sup> /hr	250,174.22	253338.18	250962.44	251075.73
<b>Engine Power</b>	bhp	1,616.02	1,628.08	1,610.68	1,609.31
<b>Engine Load</b>	%	91.04	91.72	90.74	90.67
<b>Speed</b>	RPM	1,000.00	1,000.00	1,000.00	1,000.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		49.13	48.84	49.67	48.87
ppm at 15% O2		32.21	32.05	32.55	32.02
lb/MMBTU HHV		0.07	0.07	0.07	0.07
g/bhp-hr	1.65	0.25	0.25	0.25	0.25
lb/hr	6.46	0.89	0.90	0.90	0.89
ton/yr		3.92	3.92	3.95	3.88
<b>NOx</b>					
ppmvd		39.23	38.81	39.69	39.18
ppm at 15% O2		25.72	25.47	26.01	25.67
lb/MMBTU HHV		0.09	0.09	0.10	0.09
g/bhp-hr	0.50	0.33	0.33	0.33	0.33
lb/hr	1.96	1.17	1.17	1.18	1.17
ton/yr		5.14	5.12	5.18	5.11
<b>VOC</b>					
ppmvd		7.92	7.62	8.15	7.98
ppm at 15% O2		5.19	5.00	5.34	5.23
lb/MMBTU HHV		0.02	0.02	0.02	0.02
g/bhp-hr	0.50	0.06	0.06	0.07	0.06
lb/hr		0.23	0.22	0.23	0.23
ton/yr		0.99	0.96	1.02	1.00

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.



New Mexico Environment Department  
525 Camino de los Marquez, Suite 1  
Santa Fe, NM 87505  
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## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

NMED USE ONLY	
Staff	
Admin	

Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>38069</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>Ross Ranch Compressor Station</b>	
f. Emission Unit Numbers: <b>ENG-4 (0724)</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3606A4</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 6/13/22</b>	j. Actual test date: <b>6/16/22</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#7485M2, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Street, Suite 700</b>			k.. Facility Address: <b>32.065403, -103.939525</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence E. Rasco</b>		f. Title: <b>Sr.Tech Specialist</b>		o. Facility Contact: <b>Jason Wright</b>	
g. Phone Number: <b>N/A</b>		h. Cell Number: <b>575-390-6032</b>		p. Title: <b>Field manager</b>	
i. Email Address: <b>clarence.rasco@energytransfer.com</b>		q. Phone Number: <b>N/A</b>		r. Cell Number: <b>575-725-1982</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>jason.wright@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#7485M2</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From the intersection of N. 4th St. and Rt. 28, travel south on Rt. 285 for 16 miles. Turn left onto Whitehorn Rd and go 2.4 miles. Make a slight left onto Longhorn Rd and go 1.9 miles. Turn left onto Pipeline Rd and go 3.5 miles. The facility will be on your right.</b>					

III. TESTING FIRM	
a. Company: <b>Slipstream Environmental Services, LLC</b>	g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>	h. Title: <b>Co-Owner</b>

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	scf/hr	11,457.28	11,170.75	11,560.85	11,640.24
<b>O2 Percentage</b>	%	11.84	11.82	11.84	11.87
<b>Adjusted O2 Percentage</b>	%	11.81	11.80	11.81	11.83
<b>Exhaust Flow Rate</b>	dsft <sup>3</sup> /hr	233,647.17	228126.48	236594.05	239010.58
<b>Engine Power</b>	bhp	1,536.02	1,491.21	1,552.17	1,564.67
<b>Engine Load</b>	%	86.54	84.01	87.45	88.15
<b>Speed</b>	RPM	825.00	830.00	835.00	810.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		0.12	0.06	0.09	0.21
ppm at 15% O2		0.08	0.04	0.06	0.13
lb/MMBTU HHV		0.00	0.00	0.00	0.00
g/bhp-hr	1.00	0.00	0.00	0.00	0.00
lb/hr		0.00	0.00	0.00	0.00
ton/yr		0.01	0.00	0.01	0.02
<b>NOx</b>					
ppmvd		45.51	46.43	44.10	46.02
ppm at 15% O2		29.39	29.93	28.47	29.77
lb/MMBTU HHV		0.11	0.11	0.10	0.11
g/bhp-hr	0.50	0.38	0.38	0.36	0.38
lb/hr		1.27	1.26	1.24	1.31
ton/yr		5.56	5.53	5.44	5.73
<b>VOC</b>					
ppmvd		7.55	8.77	7.19	6.69
ppm at 15% O2		4.87	5.66	4.64	4.33
lb/MMBTU HHV		0.02	0.02	0.02	0.02
g/bhp-hr	0.29	0.06	0.07	0.06	0.05
lb/hr		0.20	0.23	0.19	0.18
ton/yr		0.88	1.00	0.85	0.80

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.



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



Version 1/1/2010

NMED USE ONLY	
DTS	
TEMPO	

## UNIVERSAL STACK TEST NOTIFICATION, PROTOCOL AND REPORT FORM

NMED USE ONLY	
Staff	
Admin	

Submit to: [Stacktest.aqb@state.nm.us](mailto:Stacktest.aqb@state.nm.us)

I. DATABASE HEADER INFORMATION (drop down menus in bold)			
a. AI# <b>39747</b>	Test Report		Periodic Test (EPA Method)
d. Company Name: <b>ETC Texas Pipeline, Ltd.</b>		e. Facility Name: <b>White City Road Compressor Station</b>	
f. Emission Unit Numbers: <b>C-5(205)</b>		g. Emission Unit Description (boiler, Waukesha 7042, etc) <b>Caterpillar G3608</b>	
h. Reports - Tracking Number from notification response: <b>CMT</b>		i. Proposed Test Date: <b>Week of 3/6/23</b>	j. Actual test date: <b>3/7/23</b>
k. Reason for test (name permit requirement, NSPS, MACT, consent decree, etc. Indicate here is this notification is a revised test date only) <b>GCP-OG#8999-M1, 40 CFR 60 Subpart JJJJ</b>			

II. GENERAL COMPANY AND FACILITY INFORMATION					
a. Company Address: <b>600 N. Marienfield Street, Suite 700</b>			k.. Facility Address: <b>32.067095, -104.1365</b>		
b. City: <b>Midland</b>	c. State: <b>TX</b>	d. Zip: <b>7 9 7 0 1</b>	l. City:	m. State: <b>NM</b>	n. Zip:
e. Environmental Contact: <b>Clarence Rasco</b>		f. Title: <b>Sr.Tech Specialist</b>		o. Facility Contact: <b>David Jaquez</b>	
g. Phone Number: <b>432-888-9312</b>		h. Cell Number: <b>575-390-6032</b>		p. Title: <b>Manager</b>	
i. Email Address: <b>clarence.rasco@energytransfer.com</b>		q. Phone Number: <b>N/A</b>		r. Cell Number: <b>432-290-5836</b>	
j. Title V Permit Number: <b>N/A</b>		s. Email Address: <b>david.jaquez@energytransfer.com</b>		t. NSR Permit Number: <b>GCP-OG#8999-M1</b>	
u. Detailed driving directions from nearest New Mexico town: <b>From Loving, NM take US 285 S for approx. 20.5 miles. Turn right on White City Rd and drive approx. 4.1 miles to an unnamed ranch road. Turn right on this unnamed ranch road and travel approx. 0.2 miles to facility on the left.</b>					

III. TESTING FIRM	
a. Company: <b>Slipstream Environmental Services, LLC</b>	g. Contact: <b>Josh Canfield</b>
b. Address 1: <b>772 Airfield Lane</b>	h. Title: <b>Co-Owner</b>

**Table 2-2: Test Results**

<b>TEST RESULTS AND UNIT OPERATIONAL DATA</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>Fuel Consumption</b>	sf <sup>3</sup> /hr	17,119.84	17,182.12	17,052.83	17,124.58
<b>O2 Percentage</b>	%	12.00	12.01	12.00	11.97
<b>Adjusted O2 Percentage</b>	%	11.94	11.96	11.93	11.92
<b>Exhaust Flow Rate</b>	dsft <sup>3</sup> /hr	353,798.57	358138.01	355036.16	355326.28
<b>Engine Power</b>	bhp	2,319.49	2,329.29	2,308.95	2,320.23
<b>Engine Load</b>	%	97.87	98.28	97.42	97.90
<b>Speed</b>	RPM	1,000.00	1,000.00	1,000.00	1,000.00
<b>Parameter</b>	<b>Permitted</b>	<b>Average</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>
<b>CO</b>					
ppmvd		30.58	32.51	29.97	29.26
ppm at 15% O2		20.02	21.34	19.60	19.13
lb/MMBTU HHV		0.04	0.05	0.04	0.04
g/bhp-hr	0.69	0.15	0.16	0.15	0.15
lb/hr	3.61	0.79	0.84	0.77	0.75
ton/yr		3.45	3.69	3.36	3.29
<b>NOx</b>					
ppmvd		28.49	28.01	29.02	28.45
ppm at 15% O2		18.65	18.39	18.98	18.59
lb/MMBTU HHV		0.07	0.07	0.07	0.07
g/bhp-hr	0.50	0.24	0.23	0.24	0.23
lb/hr	2.61	1.20	1.19	1.22	1.20
ton/yr		5.27	5.22	5.34	5.26
<b>VOC</b>					
ppmvd		6.99	8.16	6.10	6.70
ppm at 15% O2		4.57	5.36	3.99	4.38
lb/MMBTU HHV		0.02	0.02	0.01	0.02
g/bhp-hr	0.32	0.06	0.06	0.05	0.05
lb/hr		0.28	0.33	0.25	0.27
ton/yr		1.24	1.46	1.08	1.19

- 1.) VOC Calculated per NSPS JJJJ definition (does not include Methane, Ethane, or Formaldehyde concentrations). PPM values are expressed as a propane basis.