Data Base Summary (Statement of Basis)

NSR PSD Permit

Type of Permit Action: PSD-New

PSD or Not	Minor or Title V	Portable or Not
PSD Major with BACT	**Major-Title V**	**Stationary**

Facility:	XTO - Husky Gas Plant and Central Delivery Point (CDP)
Company:	XTO Energy Inc.
Facility Type:	O&G-Gas Plant
Permit No. (NSR)	PSD-8245
Operating Permit No. (TV)	Not yet [will need to apply within 12-months of being operational as TV source]
IDEA ID No.	38899 - PRN20190002
AIRS ID No.	350152102
SIC CODE:	1311: Crude petroleum and natural gas
Permit Writer:	James E. Nellessen
Application Notarized Date:	October 24, 2019
Receive Date:	October 29, 2019
Timeliness of TV Application:	Not applicable (N/A)
Ruled Incomplete:	November 27, 2019
Ruled Complete:	December 11, 2019
APP. sent to Field Office:	December 12, 2019
PSD APP. Sent to EPA:	December 18, 2019
Public Notice Date&Newspaper:	December 15, 2019
Comments Due:	January 16, 2020
Analysis Review Begins:	August 4, 2020
Analysis Review Ends:	September 4, 2020
Public Hearing:	TBD
Proposed Permit to EPA Acknowledged:	N/A (for TV)
Permit Due:	September 7, 2020 (extension, original was 6-8-2020)
Permit Issued:	TBD
PSD Permit to EPA:	August 3, 2020
Facility Location:	This facility will be located approximately 13.9 miles NE of Loving, NM in Eddy County. Drive E on G Howard Rd. for 1.5 miles to L on Highway 387. Drive 1.5 miles to R on NM 31. Drive 11.6 miles to R on Cimarron Rd. Drive 1.6 miles to L on lease road into site.
UTM ZONE:	13; **Datum:** WGS84
UTM Easting:	603,290 meters
UTM Northing:	3,587,810 meters
Elevation:	3153 feet
County:	Eddy
Streamline Restricted Area:	No

Contact Name:	Ethan Boor **Phone:** 832-625-0106 **Fax:** N/A **Email:** ethan_boor@xtoenergy.com
Contact Address:	22777 Springwood Village Pkwy W4.6B.355 Spring, TX 77389
Consultant Name:	Evan Tullos - PEI **Phone:** 865-850-2007 **Fax:** N/A **Email:** etullos@pei-tx.com
Consultant Address:	5 Cardinal Court Edwardsville, IL 62025

Title V AFFECTED PROGRAM* NOTIFICATION:

Affected Program	Distance	Units	Date Letter Sent
Not applicable (this is an NSR action)			

*As defined by 20.2.70.7.B: All States, local air pollution control programs, and Indian Tribes and Pueblos, that are within 50 miles (80.5 km) of the source.

NSR and PSD AGENCY* NOTIFICATION:

Agency	Distance	Units	Date Email and/or Letter Sent
Class I - Carlsbad Caverns National Park	50.6	km	12-18-2019
Class I - Guadalupe Mountains Nat Park	92.8	km	12-18-2019
Class I - Salt Creek Wilderness	135.6	km	12-18-2019
Class I - White Mountain Wilderness	200.7	km	12-18-2019
State - Texas	46.3	km	12-18-2019
Mescalero Apache Tribe	147	km	12-18-2019
Bureau of Land Management	0	miles	12-18-2019
New Mexico State Land Office	4	miles	12-18-2019
New Mexico State Parks	16	miles	12-18-2019
Eddy County	0	miles	12-18-2019
Lea County	8.5	miles	12-18-2019
City of Carlsbad	17	miles	12-18-2019
Village of Loving	14	miles	12-18-2019

*As required by 20.2.72.206.A.(7): Mail a copy of the public notice at the same time it is sent for publication to the appropriate agency in the following locations if the source will locate within 50 kilometers (31.1 miles) of the boundary of other states, Bernalillo County, or a Class I Area.

*PSD additional notification requirements per 20.2.74.403 NMAC and 20.2.74.400 NMAC:
Federal Land Managers (FLM) of Class I Areas within 300 km: for air quality related values

(AQRV), per 20.2.74.403 NMAC, which includes visibility per FLM AQRV Work Group (FLAG) guidance documents and per NMED modeling guidelines. Officials and agencies having jurisdiction over the location of proposed construction, including chief executives of counties and cities, regional land use planning agencies, and state, FLM, or Indian governing body whose lands may be affected by emissions from the source per 20.2.74.400.C(4)(c) NMAC.

PART II - FACILITY SPECIFICATIONS

Table 102.A: Total Pollutant Emissions from Entire Facility:

Pollutant	**Emissions** (tons per year)	**Emission Type**	**Change in emissions since previous permit (none)**
Carbon Monoxide	225.8	Allowable	Not applicable (na)
Nitrogen Dioxide	256.7	Allowable	na
Particulate Matter (PM)	182.3	Allowable	na
Particulate Matter (10 microns or less)	175.7	Allowable	na
Particulate Matter (2.5 microns or less)	173.7	Allowable	na
Sulfur Dioxide	51.2	Allowable	na
Volatile Organic Compounds (VOC)	741.9	Allowable	na
Greenhouse Gases (GHG, $CO2_e$)	2,664,709	Potential	na

Note: Total Potential Pollutant Emissions in Table 102.A, may include fugitive emissions; routine or predictable, startup, shutdown, and maintenance emissions (SSM); and permitted malfunction allowances if these are a sources of regulated air pollutants from this facility.

Table 102.B: Total Potential Hazardous Air Pollutants (HAPs)[1] and State Toxic Air Pollutants (TAPs)

Pollutant	**Emissions** (tons per year)	**Emission Type**	**Change in emissions since previous permit (none)**
Ammonia[2]	277.9	Potential	Not applicable (na)
Benzene	1.2	Potential	na
Formaldehyde	4.6	Potential	na
Hexane	11.0	Potential	na
Sulfuric acid[2]	14.4	Potential	na
Toluene; (Methyl benzene)	2.1	Potential	na
Total HAP[3]	25.3	Potential	na

1 – HAP emissions are included in the Table 102.A VOC emissions total.

2 – TAP (state toxic air pollutant).
3 – Total HAP emissions may not agree with the sum of individual HAPs because only individual HAPs emitted at a rate greater than 1.0 ton per year are listed in Table 102.B.

AIR POLLUTION CONTROL DEVICES:

Subject Item ID, Type, ID, (Unit #)	SI Description	Primary	Secondary	Tertiary	Quaternary	Control Equipment Mfg & model (or equivalent)
AU1 (EQPT1)	250 MMscfd Amine Unit 1	Thermal Oxidizer (Incinerator)				TO1
AU2 (EQPT2)	250 MMscfd Amine Unit 2	Thermal Oxidizer (Incinerator)				TO2
AU3 (EQPT3)	250 MMscfd Amine Unit 3	Thermal Oxidizer (Incinerator)				TO3
Cryo Blowdown SSM Gas	Cryo Blowdown SSM Gas	SSM/Emergency Flares (x3)				FL1-FL3 CRYO-SSM EQPT37
Stabilizer Overhead SSM Gas	Stabilizer Overhead SSM Gas	SSM/Emergency Flares (x3)				FL1-FL3 OVHD-SSM EQPT38
GBS1 (EQPT39)	1000 bbl Gunbarrel Tank	Incinerator				ECD1
OTK1 (EQPT44)	2,000 bbl 3rd Party Oil Storage 1	Incinerator				ECD1
OTK2 (EQPT45)	2,000 bbl 3rd Party Oil Storage 2	Incinerator				ECD1
OTK3 (EQPT46)	2,000 bbl 3rd Party Oil Storage 3	Incinerator				ECD1
OTK4 (EQPT47)	2,000 bbl 3rd Party Oil Storage 4	Incinerator				ECD1
OTK5 (EQPT48)	2,000 bbl 3rd Party Oil Storage 5	Incinerator				ECD1
OTK6 (EQPT49)	2,000 bbl 3rd Party Oil Storage 6	Incinerator				ECD1
OTK7 (EQPT50)	500 bbl Slop Oil Tank	Incinerator				ECD1
OTL (EQPT34)	Slop Oil Loading	Incinerator				ECD1
PWTK1 (EQPT51)	750 bbl Produced Water Tank	Incinerator				ECD1

AIR POLLUTION CONTROL DEVICES:

Subject Item ID, Type, ID, (Unit #)	SI Description	Primary	Secondary	Tertiary	Quaternary	Control Equipment Mfg & model (or equivalent)
PWTK2 (EQPT52)	750 bbl Produced Water Tank	Incinerator				ECD1
TUR1 (EQPT53)	120 MW Mitsubishi H-100 Turbine	Catalytic Reduction				CAT1 - catalyst
TUR2 (EQPT54)	120 MW Mitsubishi H-100 Turbine	Catalytic Reduction				CAT2 - catalyst
TUR3 (EQPT55)	120 MW Mitsubishi H-100 Turbine	Catalytic Reduction				CAT3 - catalyst
TUR4 (EQPT56)	120 MW Mitsubishi H-100 Turbine	Catalytic Reduction				CAT4 - catalyst

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
AU1 EQPT1	Amine sweetening unit	TBD	NA	TBD			/	250 MM SCF/d / 250 MM SCF/d	Active	250 MMscfd Amine Unit 1
AU2 EQPT2	Amine sweetening unit	TBD	NA	TBD			/	250 MM SCF/d / 250 MM SCF/d	Active	250 MMscfd Amine Unit 2
AU3 EQPT3	Amine sweetening unit	TBD	NA	TBD			/	250 MM SCF/d / 250 MM SCF/d	Active	250 MMscfd Amine Unit 3
CHTR1 EQPT7	Heater	THM	NA	TBD			/	103.99 MM BTU/h / 103.99 MM BTU/h	Active	103.99 MMBtu/hr Cryo Hot Oil Heater
CHTR2 EQPT8	Heater	THM	NA	TBD			/	103.99 MM BTU/h / 103.99 MM BTU/h	Active	103.99 MMBtu/hr Cryo Hot Oil Heater

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
CHTR3 EQPT9	Heater	THM	NA	TBD			/	103.99 MM BTU/h / 103.99 MM BTU/h	Active	103.99 MMBtu/hr Cryo Hot Oil Heater
CRYO1-3 EQPT6	Cryogenic Unit	NA	NA	NA			/	/	Active	3 Cryogenic Trains
ECD1 EQPT33	Incinerator	Zeeco Inc	NA	TBD			/	45682 SCF/h / 45682 SCF/h	Active	Combustor (enclosed combustion device)
EIACOMP1-5 EQPT4	Compressor	NA	NA	NA			/	/	Active	5 Electric-driven Instrument Air Compressors
ESTCOMP1-17 EQPT5	Compressor	NA	NA	NA			/	/	Active	17 Electric-driven Stabilizer Compressors
FL1 EQPT36	Process Flare	Zeeco Inc	Continuous pilot	TBD			/	250 MM SCF/d / 250 MM SCF/d	Active	SSM/Emergency Flare 1 (pilot/purge) (dual tip)
FL2 EQPT60	Process Flare	Zeeco Inc	Continuous pilot	TBD			/	250 MM SCF/d / 250 MM SCF/d	Active	SSM/Emergency Flare 2 (pilot/purge) (dual tip)
FL3 EQPT61	Process Flare	Zeeco Inc	Spark ignited – no continuous pilot	TBD			/	250 MM SCF/d / 250 MM SCF/d	Active	Backup SSM/Emergency Flare 3 (dual tip)

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
FL1-FL3CRYO-SSM EQPT37	Process Flare	Zeeco Inc	NA	TBD			/	.38 MM SCF/d / .38 MM SCF/d	Active	FL1-FL3 Cryo Blowdown SSM Gas
FL1-FL3OVHD-SSM EQPT38	Process Flare	Zeeco Inc	NA	TBD			/	1.2 MM SCF/d / 1.2 MM SCF/d	Active	FL1-FL3 Stabilizer Overhead SSM Gas
FUG RPNT1	Fugitives	NA	NA	NA			/	/	Active	Fugitives
GBS1 EQPT39	Tank - Above Ground	Advance Tank	NA	TBD			/	1000 bbl / 153738.54 M gal/y	Active	1000 bbl Gunbarrel Tank
GEN1 EQPT25	Internal combustion engine	Caterpillar	G3520H	TBD			/	3448 hp / 1500 rpm	Active	3448 hp CAT G3520H Emergency Generator (4SLB)
GEN2 EQPT26	Internal combustion engine	Caterpillar	G3520H	TBD			/	3448 hp / 1500 rpm	Active	3448 hp CAT G3520H Emergency Generator (4SLB)
GEN3 EQPT27	Internal combustion engine	Caterpillar	G3520H	TBD			/	3448 hp / 1500 rpm	Active	3448 hp CAT G3520H Emergency Generator (4SLB)
GEN4 EQPT28	Internal combustion engine	Caterpillar	G3520H	TBD			/	3448 hp / 1500 rpm	Active	3448 hp CAT G3520H Emergency Generator (4SLB)

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
GEN5 EQPT29	Internal combustion engine	Caterpillar	G3520H	TBD			/	3448 hp / 1500 rpm	Active	3448 hp CAT G3520H Emergency Generator (4SLB)
GEN6 EQPT30	Internal combustion engine	Caterpillar	G3520H	TBD			/	3448 hp / 1500 rpm	Active	3448 hp CAT G3520H Emergency Generator (4SLB)
GEN7 EQPT31	Internal combustion engine	Caterpillar	G3520H	TBD			/	3448 hp / 1500 rpm	Active	3448 hp CAT G3520H Emergency Generator (4SLB)
GEN8 EQPT32	Internal combustion engine	Caterpillar	G3520H	TBD			/	3448 hp / 1500 rpm	Active	3448 hp CAT G3520H Emergency Generator (4SLB)
IFR1 EQPT40	Tank - Above Ground	Advance Tank	NA	TBD			/	100000 bbl / 766500 M gal/y	Active	100,000 bbl Oil Storage 1
IFR2 EQPT41	Tank - Above Ground	Advance Tank	NA	TBD			/	100000 bbl / 766500 M gal/y	Active	100,000 bbl Oil Storage 2
IFR3 EQPT42	Tank - Above Ground	Advance Tank	NA	TBD			/	100000 bbl / 766500 M gal/y	Active	100,000 bbl Oil Storage 3
IFR4 EQPT43	Tank - Above Ground	Advance Tank	NA	TBD			/	100000 bbl / 766500 M gal/y	Active	100,000 bbl Oil Storage 4

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
MOL1-3 RPNT2	Fugitives	NA	NA	NA			/	/	Active	3 Molecular Sieve Dehydrators
OTK1 EQPT44	Tank - Above Ground	Advance Tank	NA	TBD			/	2000 bbl / 63875.01 M gal/y	Active	2,000 bbl 3rd Party Oil Storage 1
OTK2 EQPT45	Tank - Above Ground	Advance Tank	NA	TBD			/	2000 bbl / 63875.01 M gal/y	Active	2,000 bbl 3rd Party Oil Storage 2
OTK3 EQPT46	Tank - Above Ground	Advance Tank	NA	TBD			/	2000 bbl / 63875.01 M gal/y	Active	2,000 bbl 3rd Party Oil Storage 3
OTK4 EQPT47	Tank - Above Ground	Advance Tank	NA	TBD			/	2000 bbl / 63875.01 M gal/y	Active	2,000 bbl 3rd Party Oil Storage 4
OTK5 EQPT48	Tank - Above Ground	Advance Tank	NA	TBD			/	2000 bbl / 63875.01 M gal/y	Active	2,000 bbl 3rd Party Oil Storage 5
OTK6 EQPT49	Tank - Above Ground	Advance Tank	NA	TBD			/	2000 bbl / 63875.01 M gal/y	Active	2,000 bbl 3rd Party Oil Storage 6
OTK7 EQPT50	Tank - Above Ground	Advance Tank	NA	TBD			/	500 bbl / 31895.36 M gal/y	Active	500 bbl Slop Oil Tank
OTL EQPT34	Loading/Unloading Rack	NA	NA	NA			/	210 bbl/d / 210 bbl/d	Active	Slop Oil Loading
PWTK1 EQPT51	Tank - Above Ground	Advance Tank	NA	TBD			/	750 bbl / 76869.27 M gal/y	Active	750 bbl Produced Water Tank 1
PWTK2 EQPT52	Tank - Above Ground	Advance Tank	NA	TBD			/	750 bbl / 76869.27 M gal/y	Active	750 bbl Produced Water Tank 2

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
PWTL EQPT35	Loading/Unloading Rack	NA	NA	NA			/	10308 bbl/d / 10308 bbl/d	Active	Produced Water Loading
RHTR1 EQPT10	Heater	THM	NA	TBD			/	39.14 MM BTU/h / 39.14 MM BTU/h	Active	39.14 MMBtu/hr Regen Heater
RHTR2 EQPT11	Heater	THM	NA	TBD			/	39.14 MM BTU/h / 39.14 MM BTU/h	Active	39.14 MMBtu/hr Regen Heater
RHTR3 EQPT12	Heater	THM	NA	TBD			/	39.14 MM BTU/h / 39.14 MM BTU/h	Active	39.14 MMBtu/hr Regen Heater
ROAD AREA1	Roads	NA	NA	NA			/	/	Active	Haul Road Fugitives
SHTR1 EQPT13	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR10 EQPT14	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR11 EQPT15	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
SHTR12 EQPT16	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR2 EQPT17	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR3 EQPT18	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR4 EQPT19	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR5 EQPT20	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR6 EQPT21	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
SHTR7 EQPT22	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR8 EQPT23	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SHTR9 EQPT24	Heater	THM	NA	TBD			/	64.83 MM BTU/h / 64.83 MM BTU/h	Active	64.83 MMBtu/hr Stabilization Hot Oil Heater
SSM RPNT3	Fugitives	NA	NA	NA			/	/	Active	Storage tank SSM emissions
TO1 EQPT57	Thermal Oxidizer (Incinerator)	Zeeco Inc	NA	TBD			/	31.5 MM BTU/h / 31.5 MM BTU/h	Active	31.5 MMBtu/hr Thermal Oxidizer
TO2 EQPT58	Thermal Oxidizer (Incinerator)	Zeeco Inc	NA	TBD			/	31.5 MM BTU/h / 31.5 MM BTU/h	Active	31.5 MMBtu/hr Thermal Oxidizer
TO3 EQPT59	Thermal Oxidizer (Incinerator)	Zeeco Inc	NA	TBD			/	31.5 MM BTU/h / 31.5 MM BTU/h	Active	31.5 MMBtu/hr Thermal Oxidizer
TUR1 EQPT53	Turbine	Mitsubishi	H-100	TBD			/	120 MW / 120 MW	Active	120 MW Mitsubishi H-100 Turbine

EQUIPMENT SPECIFICATIONS (Active/Alternative):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
TUR2 EQPT54	Turbine	Mitsubishi	H-100	TBD			/	120 MW / 120 MW	Active	120 MW Mitsubishi H-100 Turbine
TUR3 EQPT55	Turbine	Mitsubishi	H-100	TBD			/	120 MW / 120 MW	Active	120 MW Mitsubishi H-100 Turbine
TUR4 EQPT56	Turbine	Mitsubishi	H-100	TBD			/	120 MW / 120 MW	Active	120 MW Mitsubishi H-100 Turbine

EQUIPMENT SPECIFICATIONS (Inactive/Retired/Removed):

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description

EMISSIONS: Pollutant **Permitted** (Allowable**)** Emissions per piece of equipment or Subject Item as represented by applicant with corrections and verifications by the permit writer. SORTED Alphabetically to quickly find a source.[2,3]

Unit No.	NO_x (pph)	[1]NO_x (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO_2 (pph)	SO_2 (tpy)	TSP (pph)	TSP (tpy)	PM_{10} (pph)	PM_{10} (tpy)	$PM_{2.5}$ (pph)	$PM_{2.5}$ (tpy)	H_2S (pph)	H_2S (tpy)
AU1	-	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0
AU2	-	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0
AU3	-	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0
CHTR1	3.47	15.21	1.7	7.42	0.56	2.46	0.23	1.0	0.77	3.39	0.65	2.85	0.65	2.85		
CHTR2	3.47	15.21	1.7	7.42	0.56	2.46	0.23	1.0	0.77	3.39	0.65	2.85	0.65	2.85		
CHTR3	3.47	15.21	1.7	7.42	0.56	2.46	0.23	1.0	0.77	3.39	0.65	2.85	0.65	2.85		

Unit No.	NO_x (pph)	[1]NO_x (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO_2 (pph)	SO_2 (tpy)	TSP (pph)	TSP (tpy)	PM_{10} (pph)	PM_{10} (tpy)	$PM_{2.5}$ (pph)	$PM_{2.5}$ (tpy)	H_2S (pph)	H_2S (tpy)
ECD1	1.13	4.32	0.95	3.62	7.28	28.27	0.0	0.0			0.09	0.13	0.09	0.13		
FL1	1.34	5.87	2.67	11.71	0.40	1.76	1.56E-4	6.84E-4			0.07	0.31	0.07	0.31	1.66E-6	7.28E-6
FL2	1.34	5.87	2.67	11.71	0.40	1.76	1.56E-4	6.84E-4			0.07	0.31	0.07	0.31	1.66E-6	7.28E-6
FL3																
FL1-FL3 (combined)	2.68	11.73	5.35	23.42	0.80	3.52	3.12E-04	1.37E-03			0.14	0.63	0.14	0.63	3.32E-06	1.46E-05
FL1-FL3CRYO-SSM	102.43	18.64	204.48	37.22	210.13	38.24	0.05	0.01	5.53	1.01	5.53	1.01	5.53	1.01	5.39E-04	1.05E-04
FL1-FL3OVHD-SSM	61.51	11.2	122.8	22.35	404.29	73.58	0.0	0.0	3.32	0.6	3.32	0.6	3.32	0.6	0.0	7.28E-06
FUG					88.64	388.24										
GBS1					0.0	0.0									0.0	0.0
GEN1	3.8	0.2	11.4	0.6	1.8	0.1	0.05	0.0			0.21	0.01	0.21	0.01		
GEN2	3.8	0.2	11.4	0.6	1.8	0.1	0.05	0.0			0.21	0.01	0.21	0.01		
GEN3	3.8	0.2	11.4	0.6	1.8	0.1	0.05	0.0			0.21	0.01	0.21	0.01		
GEN4	3.8	0.2	11.4	0.6	1.8	0.1	0.05	0.0			0.21	0.01	0.21	0.01		
GEN5	3.8	0.2	11.4	0.6	1.8	0.1	0.05	0.0			0.21	0.01	0.21	0.01		
GEN6	3.8	0.2	11.4	0.6	1.8	0.1	0.05	0.0			0.21	0.01	0.21	0.01		
GEN7	3.8	0.2	11.4	0.6	1.8	0.1	0.05	0.0			0.21	0.01	0.21	0.01		
GEN8	3.8	0.2	11.4	0.6	1.8	0.1	0.05	0.0			0.21	0.01	0.21	0.01		
IFR1					1.18	5.15										
IFR2					1.18	5.15										
IFR3					1.18	5.15										
IFR4					1.18	5.15										
OTK1					0.0	0.0									0.0	0.0
OTK2					0.0	0.0									0.0	0.0

Unit No.	NO_x (pph)	[1]NO_x (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO_2 (pph)	SO_2 (tpy)	TSP (pph)	TSP (tpy)	PM_{10} (pph)	PM_{10} (tpy)	$PM_{2.5}$ (pph)	$PM_{2.5}$ (tpy)	H_2S (pph)	H_2S (tpy)
OTK3					0.0	0.0									0.0	0.0
OTK4					0.0	0.0									0.0	0.0
OTK5					0.0	0.0									0.0	0.0
OTK6					0.0	0.0									0.0	0.0
OTK7					0.0	0.0									0.0	0.0
OTL					0.71	0.13										
PWTK1					0.0	0.0									0.0	0.0
PWTK2					0.0	0.0									0.0	0.0
PWTL					0.39	2.49										
RHTR1	1.05	4.58	0.64	2.79	0.21	0.93	0.09	0.38	0.29	1.28	0.24	1.07	0.24	1.07		
RHTR2	1.05	4.58	0.64	2.79	0.21	0.93	0.09	0.38	0.29	1.28	0.24	1.07	0.24	1.07		
RHTR3	1.05	4.58	0.64	2.79	0.21	0.93	0.09	0.38	0.29	1.28	0.24	1.07	0.24	1.07		
ROAD									2.76	8.83	0.7	2.25	0.07	0.22		
SHTR1	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR2	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR3	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR4	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR5	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR6	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR7	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR8	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR9	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR10	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR11	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SHTR12	1.73	7.58	1.06	4.63	0.35	1.53	0.14	0.63	0.48	2.12	0.41	1.78	0.41	1.78		
SSM						10.0										
TO1	2.52	11.03	2.09	9.15	0.69	3.02	0.86	3.78	0.23	1.03	0.23	1.03	0.23	1.03	0.0046	0.02
TO2	2.52	11.03	2.09	9.15	0.69	3.02	0.86	3.78	0.23	1.03	0.23	1.03	0.23	1.03	0.0046	0.02

Unit No.	NO_x (pph)	[1]NO_x (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO_2 (pph)	SO_2 (tpy)	TSP (pph)	TSP (tpy)	PM_{10} (pph)	PM_{10} (tpy)	$PM_{2.5}$ (pph)	$PM_{2.5}$ (tpy)	H_2S (pph)	H_2S (tpy)
TO3	2.52	11.03	2.09	9.15	0.69	3.02	0.86	3.78	0.23	1.03	0.23	1.03	0.23	1.03	0.0046	0.02
TUR1	8.4	36.79	5.1	22.34	9.2	40.3	2.14	9.35	9.2	40.3	9.2	40.3	9.2	40.3		
TUR2	8.4	36.79	5.1	22.34	9.2	40.3	2.14	9.35	9.2	40.3	9.2	40.3	9.2	40.3		
TUR3	8.4	36.79	5.1	22.34	9.2	40.3	2.14	9.35	9.2	40.3	9.2	40.3	9.2	40.3		
TUR4	8.4	36.79	5.1	22.34	9.2	40.3	2.14	9.35	9.2	40.3	9.2	40.3	9.2	40.3		

1 Nitrogen dioxide emissions include all oxides of nitrogen expressed as NO_2.
2 Title V annual fee assessments are based on the sum of allowable tons per year emission limits in Sections A106 and A107.
3 Compliance with emergency flare emission limits is demonstrated by limiting combustion to pilot and/or purge gas only.
"-" indicates the application represented emissions are not expected for this pollutant.
"<" indicates that the application represented the uncontrolled mass emission rates are less than 1.0 pph. or 1.0 tpy. for this emissions unit and this air pollutant. The Department determined that allowable mass emission limits were not required for this unit and this pollutant.
"*" indicates hourly emission limits are not appropriate for this operating situation.

Why this statement is true, TSP=PM10=PM2.5.
PM = PM (Condensable) + PM10 (filterable) = 9.91 E-03 + 7.71 E-05 = 9.99 E-03 for natural gas-fired reciprocating engines. (AP-42 (7/00), 3.2.3.3, Table 3.2-2) References from AP-42 indicate particulate matter from combustion of natural gas is primarily very small-sized particulate matter. Since, by definition, the total suspended particulate includes all particle-sizes less than an aerodynamic diameter of approximately 30 microns and PM10 includes those less than 10 microns in size. This is recognized by the NMED in the particle depletion parameters that are provided by the AQB Modeling Section which state that combustion particulates are 100% PM2.5 or smaller.

Pollutant Unpermitted (Potential) Emissions (Non-regulated, without permitted emission limits)

Unit No.	NO_x (pph)	NO_x (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)*	SO_2 (pph)	SO_2 (tpy)	TSP (pph)	TSP (tpy)	PM_{10} (pph)	PM_{10} (tpy)	$PM_{2.5}$ (pph)	$PM_{2.5}$ (tpy)	H_2S (pph)	H_2S (tpy)

POTENTIAL HAPS EMISSIONS FROM TEMPO, Table has the most common HAPS – it is not inclusive of all HAPS that might be entered in TEMPO. All emissions are in tons/year

Unit No.	Total HAPS (tpy)	Acetal Dehyde (tpy)	Acrolein (tpy)	Benzene (tpy)	Cyclo Hexane (tpy)	Hexane (tpy)	Ethyl benzene (tpy)	Formalde hyde (tpy)	(tpy)	Methanol (tpy)	Toluene (tpy)	Xylene (tpy)
CHTR1	0.8					0.8						
CHTR2	0.8					0.8						
CHTR3	0.8					0.8						
ECD1	1.1											
FUG	8.0											
TUR1	2.5					0.9		0.9				
TUR2	2.5					0.9		0.9				
TUR3	2.5					0.9		0.9				
TUR4	2.5					0.9		0.9				
TOTAL*	**25.3**			**1.2**		**11.0**	**0.5**	**4.6**			**2.1**	**0.9**

* Totals are for information only and may not match the totals in the table "TOTAL HAPS and NM TAPS"

POTENTIAL TAPS (New Mexico Toxic Air Pollutants) EMISSIONS FROM TEMPO, Table has the most common TAPS – it is not inclusive of all TAPS that might be entered in TEMPO. All emissions are in tons/year

Unit No.	Total TAPS (tpy)	H2SO4 (sulfuric acid) (tpy)	Ammonia (tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)
TUR1	73.1	3.6	69.5									
TUR2	73.1	3.6	69.5									
TUR3	73.1	3.6	69.5									
TUR4	73.1	3.6	69.5									
TOTAL*	**292.4**	**14.4**	**277.9**									

* Totals are for information only and may not match the totals in the table "TOTAL HAPS and NM TAPS"