Data Base Summary (Statement of Basis)

NSR Permit

Type of Permit Action: PSD-Minor Modification

PSD or Not	Minor or Title V	Portable or Not
Major, facility is PSD Major but has not yet triggered BACT review.	Major-Title V	Stationary

Facility:	Eunice Gas Processing Plant
Company:	Versado Gas Processors, LLC
Facility Type:	O&G-Gas Plant
Permit No. (NSR)	0067-M11
Operating Permit No. (TV)	P109-R3
Agency Interest No.	609 - PRN20200002
AIRS ID No.	350250060
SIC CODE:	1321: Natural gas liquids
Permit Writer:	Olivia Yu
Application Notarized Date:	May 6, 2020
Receive Date:	June 1, 2020
Timeliness of TV Application:	N/A
Ruled Incomplete:	July 1, 2020
Ruled Complete:	July 21, 2020
APP. sent to Field Office:	N/A
Public involvement Plan (PIP):	TBD
PSD APP. Sent to EPA:	NR
Public Notice Date & Newspaper:	July 28, 2020; Hobbs News Sun
Comments Due:	August 27, 2020
Analysis Review Begins:	TBD?
Analysis Review Ends:	NR
Public Hearing:	TBD?
Proposed Permit to EPA Acknowledged:	NR
Permit Due:	October 19, 2020
Permit Issued:	TBD
PSD Permit to EPA:	NR
Facility Location:	This facility is located approximately 1 mile SE of Eunice in Lea County, New Mexico.
UTM Zone:	13 ; **Datum:** WGS84
UTM Easting:	674204 meters
UTM Northing:	3589051 meters
Elevation:	3402 ft
County:	Lea
In a Sensitive Area:	No
Contact Name:	Catherine Schroder

	Phone: 405-749-5614 **Fax:** NO DATA FOUND **Email:** cschroder@targaresources.com
Contact Address:	14000 Quail Springs Pkwy Ste 215 Oklahoma City, OK 73134
Consultant Name:	Rachel Reese, Trinity Consultants **Phone:** 505-266-6611 **Fax:** 505-266-7738 **Email:** rreese@trinityconsultants.com
Consultant Address:	9400 Holly NE Bldg 3 Suite 300 Albuquerque, NM 87122

Title V Affected Program* Notification:

Affected Program	Distance	Units	Date Letter Sent
Class I - Carlsbad Caverns National Park	118.3	km	NR

*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 Agency* Notification:

Agency	Distance	Units	Date Email Sent
State - Texas	9.6	km	July 21, 2020

*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.

Part II – Facility Specifications

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

Pollutant	Emissions (tons per year)	Emission Type	Change in Emission since Permit 0067-M10
Carbon Monoxide	758	Allowable	No change
Nitrogen Dioxide	2,606	Allowable	No change
Particulate Matter	35.8	Allowable	No change
Particulate Matter (10 microns or less)	22.0	Allowable	No change
Particulate Matter (2.5 microns or less)	17.7	Allowable	No change
Sulfur Dioxide	482	Allowable	No change
Volatile Organic Compounds (VOC)	269.2	Allowable	+19.1
Hydrogen sulfide (NMAAQ)	10.7	Allowable	+0.5
Carbon Dioxide (equivalent)	215,869	Potential	-3,802

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)* and State Toxic Air Pollutants (TAPs)

Pollutant	**Emissions** (tons per year)	**Emission Type**	**Change in Emission since Permit 0067-M10**
Acetaldehyde; (Ethyl aldehyde)	4.3	Potential	No change
Acrolein	2.4	Potential	No change
Benzene	3.1	Potential	No change
Formaldehyde	34.3	Potential	No change
Hexane	2.1	Potential	No change
Methanol; (Methyl alcohol)	3.6	Potential	No change
Styrene	2.8	Potential	No change
Toluene; (Methyl benzene)	2.3	Potential	No change
Trimethylpentane(2,2,4-)	3.1	Potential	No change
Xylenes (total); (Xylol)	1.7	Potential	No change
Total HAP	62.3	Potential	+1.1

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

Subject Item ID, Type, ID, (Unit #)	SI Description	Primary	Secondary	Control Equipment Mfg & model (or equivalent)
C-13A (EQPT25)	Waukesha L7402 GSIU	NSCR (Non-Selective Catalytic Reduction)	Air Fuel Ratio Controller	
C-17 (EQPT31)	Waukesha L7402 GSIU	NSCR (Non-Selective Catalytic Reduction)	Air Fuel Ratio Controller	
C-18 (EQPT85)	Waukesha L7402 GSIU	NSCR (Non-Selective Catalytic Reduction)	Air Fuel Ratio Controller	
C-19 (EQPT68)	Waukesha L7402 GSIU	NSCR (Non-Selective Catalytic Reduction)	Air Fuel Ratio Controller	
C-20 (EQPT69)	Waukesha L7402 GSIU	NSCR (Non-Selective Catalytic Reduction)	Air Fuel Ratio Controller	
C-21 (EQPT92)	Waukesha L7402 GSIU	NSCR (Non-Selective Catalytic Reduction)	Air Fuel Ratio Controller	
C-22 (EQPT71)	Waukesha L7402 GSIU	NSCR (Non-Selective Catalytic Reduction)	Air Fuel Ratio Controller	
CT-1 (EQPT73)	Cooling Tower	Drift (Mist) Eliminator		
F-02 SSM (EQPT88)	SSM to Inlet and Residue Gas Flare	Flare		Control for blowdowns
F-01 SSM (EQPT87)	AGI SSM to Acid Gas Flare	Flare		Control for AM-01
TK-01 (EQPT41)	Fixed Roof Stabilized Condensate Tank	Vapor Recovery Unit		
TK-02 (EQPT42)	Fixed Roof Stabilized Condensate Tank	Vapor Recovery Unit		
G-01B (EQPT79)	Glycol dehydrator still & flash tank	Vapor Recovery Unit	VRU	Primary and redundant VRU

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
AM-01 EQPT76	Amine sweetening unit	A.O. Smith	not applicable	49-1053	01-JAN-84	01-JAN-84	550 gal/min / 550 gal/min	550 gal/min / 550 gal/min	Active	Amine Still
B-01 EQPT3	Boiler	WICKES	Type A	61188B1D 3NM-1505	01-JAN-84	01-JAN-72	100 MM BTU/h / 100 MM BTU/h	100 MM BTU/h / 100 MM BTU/h	Active	Wickes Steam Boiler

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
B-02 EQPT72	Boiler	WICKES	Type A	61188B2D 3NM-1506	01-JAN-84	01-JAN-72	100 MM BTU/h / 100 MM BTU/h	100 MM BTU/h / 100 MM BTU/h	Active	Wickes Steam Boiler
C-01 EQPT5	Internal combustion engine	CLARK	BA-6	36106	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-02 EQPT57	Internal combustion engine	CLARK	BA-6	36104	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-03 EQPT58	Internal combustion engine	CLARK	BA-6	36080	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-04 EQPT59	Internal combustion engine	CLARK	BA-6	36103	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-05 EQPT60	Internal combustion engine	CLARK	BA-6	36102	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-06 EQPT61	Internal combustion engine	CLARK	BA-6	36112	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-07 EQPT62	Internal combustion engine	CLARK	BA-6	36040	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-08 EQPT63	Internal combustion engine	CLARK	BA-6	36111	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-09 EQPT64	Internal combustion engine	CLARK	BA-6	36109	01-JAN-84	01-JAN-72	1200 hp / 1200 hp	1200 hp / 1200 hp	Active	Clark Engine (2SLB RICE)
C-10 EQPT14	Internal combustion engine	CLARK	HBA-8	30123	01-JAN-84	01-JAN-72	1600 hp / 1600 hp	1600 hp / 1600 hp	Active	Clark Engine (2SLB RICE)
C-11 EQPT65	Internal combustion engine	CLARK	HBA-8	30089	01-JAN-84	01-JAN-72	1600 hp / 1600 hp	1600 hp / 1600 hp	Active	Clark Engine (2SLB RICE)

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
C-12 EQPT66	Internal combustion engine	CLARK	HBA-8	30126	01-JAN-84	01-JAN-72	1600 hp / 1600 hp	1600 hp / 1600 hp	Active	Clark Engine (2SLB RICE)
C-13 EQPT17	Internal combustion engine	CLARK	HBA-T-8	30313	01-JAN-84	01-JAN-72	2050 hp / 2050 hp	2050 hp / 2050 hp	Active	Clark Engine (2SLB RICE)
C-13A EQPT25	Internal combustion engine	WAUKESHA	L7402-GSIU	49880	01-JAN-84	01-JAN-85	1200 hp / 1000 rpm	1200 hp / 1000 rpm	Active	Waukesha (4SRB RICE)
C-17 EQPT31	Internal combustion engine	WAUKESHA	L7042-GSIU	184967	01-JAN-95	01-JAN-95	1200 hp / 1000 rpm	1200 hp / 1000 rpm	Active	Waukesha (4SRB RICE)
C-18 EQPT85	Internal combustion engine	WAUKESHA	L7042-GSIU	352869	16-OCT-17	01-JAN-95	1200 hp / 1000 rpm	1200 hp / 1000 rpm	Active	Waukesha (4SRB RICE)
C-19 EQPT68	Internal combustion engine	WAUKESHA	L7042-GSIU	TAR 19 E	01-JAN-84	01-JAN-95	1200 hp / 1000 rpm	1200 hp / 1000 rpm	Active	Waukesha (4SRB RICE)
C-20 EQPT69	Internal combustion engine	WAUKESHA	L7042-GSIU	250078	01-JAN-84	01-JAN-95	1200 hp / 1000 rpm	1200 hp / 1000 rpm	Active	Waukesha (4SRB RICE)
C-21 EQPT92	Internal combustion engine	WAUKESHA	7042	C155801	19-DEC-19	01-APR-05	1200 hp / 1000 rpm	1200 hp / 1000 rpm	Active	Waukesha (4SRB RICE)
C-22 EQPT71	Internal combustion engine	WAUKESHA	L7042-GSIU	336249	01-JAN-84	01-JAN-95	1200 hp / 1000 rpm	1200 hp / 1000 rpm	Active	Waukesha (4SRB RICE)
CT-1 EQPT73	Cooling Tower	Advanced Cooling Towers	not applicable	not applicable	01-JAN-84	01-JAN-72	14100 gal/min / 14100 gal/min	14100 gal/min / 14100 gal/min	Active	Cooling Tower
EC-01 EQPT82	Compressor	TECO Westinghouse	ANZK-52	DT.E084023-3	01-JAN-11	01-JAN-14	3000 hp / 3000 hp	3000 hp / 3000 hp	Active	Electric Compressor
EC-02 EQPT84	Compressor	Teco Westinghouse	ANZK-52	FT.E086011-1	01-JAN-16	01-JAN-14	3000 hp / 3000 hp	3000 hp / 3000 hp	Active	Electric Compressor

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
EC-03 EQPT86	Compressor	Teco Westinghouse	ANZK-52	DTE084023-1	Unknown	1/1/2006	3000 hp / 3000 hp	3000 hp / 3000 hp	Active	Electric Driven Compressor
EG-02 EQPT81	Compressor	John Deere	Not applicable	Not applicable	01-JAN-15	01-JAN-15	125 hp / 125 hp	125 hp / 125 hp	Active	Backup Diesel Air Compressor
F-01 SSM EQPT87	Process Flare	John Zink	Not reported	X46561	01-JAN-84	01-JAN-84	5 MM SCF/y / 5 MM SCF/y	1.19 MM SCF/h / 5 MM SCF/y	Active	AGI SSM to Acid Gas Flare (control for AM-01)
F-01 pilot EQPT37	Process Flare	John Zink	Not reported	X46561	01-DEC-83	01-DEC-83	5 MM SCF/y / 5 MM SCF/y	1.19 MM SCF/h / 5 MM SCF/y	Active	Acid Gas Flare (pilot)
F-02 SSM EQPT88	Process Flare	Not reported	Not reported	Not reported	01-JAN-84	01-JAN-84	5 MM SCF/y / 5 MM SCF/y	5 MM SCF/y / 5 MM SCF/y	Active	SSM to Inlet and Residue Gas Flare (control for Blowdown)
F-02 pilot EQPT75	Process Flare	Not reported	Not reported	Not reported	01-DEC-83	01-DEC-83	5 MM SCF/y / 5 MM SCF/y	5 MM SCF/y / 5 MM SCF/y	Active	Inlet and Residue Gas Flare (pilot)
FG-01 RPNT2	Fugitives	Not Applicable	Not Applicable	Not Applicable			/	/	Active	Process Fugitives
G-01A EQPT1	Glycol Dehy Reboiler Burner	Glycol Dehydrator Reboiler	Not Applicable	Not Applicable		05-JUN-00	150 MM SCF/d / 150 MM SCF/d	150 MM SCF/d / 150 MM SCF/d	Active	Glycol Dehydrator Reboiler
G-01B EQPT79	Glycol Dehy Still Vent/Flash Tank	Glycol Dehydrator Reboiler	Not Applicable	Not Applicable	01-JAN-84	05-JUN-00	150 MM SCF/d / 150 MM SCF/d	150 MM SCF/d / 17.9 gal/min	Active	Glycol Dehydrator Still and Flash Tank

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
H-01 EQPT2	Glycol Dehy Reboiler Burner	Wenco Energy Corporation	Not applicable	XB48/24-20H	01-JAN-84	05-JUN-00	1.25 MM BTU/h / 1.25 MM BTU/h	1.25 MM BTU/h / 1.25 MM BTU/h	Active	Glycol Dehydrator Heater
H-02 EQPT33	Heater	Entec	3HE-016-3 HE-08-12-E	90658	01-JAN-84	05-JUN-00	2.7 MM SCF/y / 2.7 MM SCF/y	2.7 MM SCF/y / 2.7 MM SCF/y	Active	Hot Oil Heater
L-01 EQPT40	Loading/Unloading Rack	Not Applicable	Not Applicable	Not Applicable	01-JAN-84	01-JAN-84	8000 gal/h / 8000 gal/h	/	Active	Loading Emissions
L-02 EQPT80	Loading/Unloading Rack	Not Applicable	Not Applicable	Not Applicable	01-JAN-15	01-JAN-15		/	Active	Loading Emissions
ME-9 EQPT83	Tank - Above Ground	Bennett	3813	15T1118938	unknown	01-JAN-00	2800 gal / 2800 gal	2800 gal / 350000 gal/y	Active	Gasoline Tank
Malf RPNT3	Stack/Vent	Not applicable	Not applicable	Not applicable	05-AUG-16		/	/	Active	Malfunctions-Flares F-01 and F-02/Venting to Atmosphere
RH-E EQPT52	Heater	Born	Not Applicable	RSO1138	01-JAN-84	01-JAN-01	3.5 MM BTU/h / 3.5 MM BTU/h	3.5 MM BTU/h / 3.5 MM BTU/h	Active	Regenerator Gas Heater
RH-W EQPT21	Heater	Petrotherm	Not Applicable	H-70693A	01-JAN-84	01-JAN-82	10 MM BTU/h / 10 MM BTU/h	10 MM BTU/h / 10 MM BTU/h	Active	Regenerator Heater
SSM RPNT4	Stack/Vent	Not applicable	Not applicable	Not applicable			/	/	Active	SSM-VP, CB, PP, VRU downtime

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
TK-01 EQPT41	Tank - Above Ground	not applicable	not applicable	11107	01-JAN-84	29-JUN-06	500 bbl / 500 bbl	7,080,395 gal/y / 7,080,395 gal/y	Active	Fixed Roof Stabilized Condensate Tank
TK-02 EQPT42	Tank - Above Ground	not applicable	not applicable	11108	01-JAN-84	29-JUN-06	500 bbl / 500 bbl		Active	Fixed Roof Stabilized Condensate Tank

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
EQPT24 C-15	Internal combustion engine	Cooper Bessemer	GMV	42144	01-JAN-84	01-JAN-82	1100 hp / 1100 hp	1100 hp / 1100 hp	Removed	REMOVED-Cooper Bessemer Engine
EQPT56 ME8	Tank - Above Ground	not applicable	not applicable	not applicable		01-JAN-70	24 bbl / 24 bbl	1000 gal / 12000 gal/y	Removed	Gasoline Tank

Emissions: Pollutant **Permitted** (Allowable and SSM) Emissions per piece of equipment or Subject Item as represented by applicant.

Unit No.	NO_x[1] pph	NO_x[1] tpy	CO pph	CO tpy	VOC pph	VOC tpy	SO_2 pph	SO_2 tpy	PM_{10} pph	PM_{10} tpy	$PM_{2.5}$ pph	$PM_{2.5}$ tpy	H_2S pph	H_2S tpy
AM-01[4]	-	-	-	-	0.0	0.0	-	-	-	-	-	-	0.0	0.0
B-01	20.6	90.0	1.5	6.6	<	<	<	<	<	3.3	<	3.3	-	-

Unit No.	NO_x[1] pph	NO_x[1] tpy	CO pph	CO tpy	VOC pph	VOC tpy	SO_2 pph	SO_2 tpy	PM_{10} pph	PM_{10} tpy	$PM_{2.5}$ pph	$PM_{2.5}$ tpy	H_2S pph	H_2S tpy
B-02	20.6	90.0	1.5	6.6	<	<	<	<	<	3.3	<	3.3	-	-
C-01	53.6	234.8	8.4	36.9	<	1.6	<	<	<	<	<	<	-	-
C-02	53.6	234.8	8.4	36.9	<	1.6	<	<	<	<	<	<	-	-
C-03	53.6	234.8	8.4	36.9	<	1.6	<	<	<	<	<	<	-	-
C-04	53.6	234.8	8.4	36.9	<	1.6	<	<	<	<	<	<	-	-
C-05	53.6	234.8	8.4	36.9	<	1.6	<	<	<	<	<	<	-	-
C-06	53.6	234.8	8.4	36.9	<	1.6	<	<	<	<	<	<	-	-
C-07	53.6	234.8	8.4	36.9	<	1.6	<	<	<	<	<	<	-	-
C-08	53.6	234.8	8.4	36.9	<	1.6	<	<	<	<	<	<	-	-
C-09[5]	53.6	13.4	8.4	2.1	<	0.1	<	<	<	<	<	<	-	-
C-10[6]	77.2	19.3	8.1	2.0	1.1	0.3	<	<	<	<	<	<	-	-
C-11[6]	77.2	19.3	8.1	2.0	1.1	0.3	<	<	<	<	<	<	-	-
C-12[5]	77.2	19.3	8.1	2.0	1.1	0.3	<	<	<	<	<	<	-	-
C-13	61.1	267.5	27.6	120.9	1.0	4.4	<	<	<	<	<	<	-	-
C-13A	5.3	23.2	7.9	34.8	4.2	18.5	<	<	<	<	<	<	-	-
C-17	5.3	23.2	7.9	34.8	4.2	18.5	<	<	<	<	<	<	-	-
C-18	5.3	23.2	7.9	34.8	4.2	18.5	<	<	<	<	<	<	-	-
C-19	5.3	23.2	7.9	34.8	4.2	18.5	<	<	<	<	<	<	-	-
C-20	5.3	23.2	7.9	34.8	4.2	18.5	<	<	<	<	<	<	-	-
C-21	5.3	23.2	7.9	34.8	4.2	18.5	<	<	<	<	<	<	-	-

Unit No.	NO_x[1] pph	NO_x[1] tpy	CO pph	CO tpy	VOC pph	VOC tpy	SO_2 pph	SO_2 tpy	PM_{10} pph	PM_{10} tpy	$PM_{2.5}$ pph	$PM_{2.5}$ tpy	H_2S pph	H_2S tpy
C-22	5.3	23.2	7.9	34.8	4.2	18.5	<	<	<	<	<	<	-	-
CT-1	-	-	-	-	-	-	-	-	1.0	4.3	<	<	-	-
EG-02	0.04	0.05	0.3	0.5	0.7	1.0	<	<	<	<	<	<	-	-
F-01[3]	0.08	0.34	0.36	1.6	-	-	<	<	-	-	-	-	-	-
F-02[3]	0.08	0.35	0.16	0.7	-	-	<	<	-	-	-	-	-	-
FG-01 & FG-01-RSC*	-	-	-	-	*	38.8	-	-	-	-	-	-	-	-
G-01[4]	-	-	-	-	0.0	0.0	-	-	-	-	-	-	0.0	0.0
H-01	<	<	<	<	<	<	<	<	<	<	<	<	-	-
H-02	<	1.2	<	1.0	<	<	<	<	<	<	<	<	-	-
L-01	-	-	-	-	*	8.15	-	-	-	-	-	-	-	-
L-02	-	-	-	-	*		-	-	-	-	-	-	-	-
ME-9	-	-	-	-	*	2.1	-	-	-	-	-	-	-	-
RH-E	<	1.5	<	1.3	<	<	<	<	<	<	<	<	-	-
RH-W	3.0	13.1	<	3.3	<	<	<	<	<	<	<	<	-	-
TK-1[4]	-	-	-	-	0.0	0.0	-	-	-	-	-	-	0.0	0.0
TK-2[4]	-	-	-	-	0.0	0.0	-	-	-	-	-	-	0.0	0.0
VRUs[4]	-	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-
SSM-VRU					239.9	39.4							2.6	0.4
F-01 (AGI SSM to Acid Gas Flare)	147.62 *	10.2	673.0	46.6	51.7	3.6	5869.9	406.4	-	-	-	-	63.6	4.4

Unit No.	NO_x[1] pph	NO_x[1]tpy	CO pph	CO tpy	VOC pph	VOC tpy	SO_2 pph	SO_2 tpy	PM_{10} pph	PM_{10} tpy	$PM_{2.5}$ pph	$PM_{2.5}$ tpy	H_2S pph	H_2S tpy
F-02 (SSM/M to Inlet and Residue Flare	563.5*	9.1	1124.9	18.2	904.2	14.1	4064.0	63.4	-	-	-	-	44.1	0.7
SSM-VP[2] (Vessel Purging)	-[3]	-	-	-	746.9	3.0	-	-	-	-	-	-	-	-
SSM-CB[2] (Compressor Blowdowns)	-	-	-	-	88.5	1.5	-	-	-	-	-	-	4.3	0.1
SSM-PP[2] (Pump Purging)	-	-	-	-	1.3	0.01	-	-	-	-	-	-	-	-
SSM – AGI-C2[2] (SSM for AGI redundant compressor blowdowns)	-	-	-	-	0.26	0.001	-	-	-	-	-	-	-	-
M (Malfunctions to Flares F-01 & F-02 and Venting to Atmosphere)	*[5]	10	*	5.5	*	9.0	*	10.0	-	-	-	-	*	5.0

Nitrogen dioxide emissions include all oxides of nitrogen expressed as NO_2

2 For Title V facilities, the 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. The permitted emission rates for each flare represents pilot-only emissions and assumes 100 scf/h, 100% methane-ethane (zero VOC content), ≤ 5 gr/100 scf total sulfur, and 8760 hrs/y.

4 To report excess emissions for sources with no pound per hour and/or ton per year emission limits, see condition B110F.

5 C-09 and C-12 are limited to 500 hours per year per unit. Units changed to standby status in NSR permit 67-M8R1.

6 C-10 and C-11 are limited to 500 hours per year per unit. Units changed to standby status in NSR permit 67-M7.

"-" indicates the application represented emissions of this pollutant are not expected.

"<" 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.

Notes for the table on permitted (allowable) emissions: (Table 106A from the permit)

- EG-02 is a nonroad engine. The emissions for the unit are estimated based on 2920 hours of operation.

- Units C-13A and C-17 to C-22 have controls (NSCR and AFR), but < is used to represent emissions < 1 pph or < 1tpy.
- Units L-01 and L-02 have VOC pph listed in Table 2-E, but the emissions may not be appropriate. Emissions are divided between the 2 units based on maximum value represented.
- Emissions for units C-09 to C-12 reflect their standby status of 500 hours per year.

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

Unit No.	PM pph	PM tpy
Facility-wide	8.7	35.8

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. (Only the units with HAPs in Table 2-I are presented below).

Unit No.	Total HAPS (tpy)	Formaldehyde (tpy)	Methanol (tpy)	Acetaldehyde (tpy)	Acrolein (tpy)	Benzene (tpy)	Toluene (tpy)	Xylene (tpy)	2,2,4-Trimethylpentane (tpy)	n-Hexane (tpy)	Styrene (tpy)
C-01	4.23	2.60	0.17	0.27	0.15	-	0.10	0.15	0.32	0.18	0.29
C-02	4.23	2.60	0.17	0.27	0.15	-	0.10	0.15	0.32	0.18	0.29
C-03	4.23	2.60	0.17	0.27	0.15	-	0.10	0.15	0.32	0.18	0.29
C-04	4.23	2.60	0.17	0.27	0.15	-	0.10	0.15	0.32	0.18	0.29
C-05	4.23	2.60	0.17	0.27	0.15	-	0.10	0.15	0.32	0.18	0.29
C-06	4.23	2.60	0.17	0.27	0.15	-	0.10	0.15	0.32	0.18	0.29
C-07	4.23	2.60	0.17	0.27	0.15	-	0.10	0.15	0.32	0.18	0.29
C-08	4.23	2.60	0.17	0.27	0.15	-	0.10	0.15	0.32	0.18	0.29
C-09	0.24	0.15	0.01	0.015	0.0086	-	0.0057	0.01	0.02	0.01	0.02
C-10	0.20	0.19	-	0.0024	0.0016	0.0058	0.0014	-	-	-	-
C-11	0.20	0.19	-	0.0024	0.0016	0.0058	0.0014	-	-	-	-
C-12	0.20	0.19	-	0.0024	0.0016	0.0058	0.0014	-	-	-	-
C-13	7.37	4.44	0.28	0.47	0.26	0.14	0.18	0.25	0.55	0.31	0.49
C-13A	2.23	1.15	0.23	0.20	0.13	0.360	0.160	-	-	-	-
C-17	2.23	1.15	0.23	0.20	0.13	0.36	0.16	-	-	-	-
C-18	2.23	1.15	0.23	0.20	0.13	0.36	0.16	-	-	-	-
C-19	2.23	1.15	0.23	0.20	0.13	0.36	0.16	-	-	-	-

Unit No.	Total HAPS (tpy)	Formaldehyde (tpy)	Methanol (tpy)	Acetaldehyde (tpy)	Acrolein (tpy)	Benzene (tpy)	Toluene (tpy)	Xylene (tpy)	2,2,4-Trimethylpentane (tpy)	n-Hexane (tpy)	Styrene (tpy)
C-20	2.23	1.15	0.23	0.20	0.13	0.36	0.16				
C-21	2.23	1.15	0.23	0.20	0.13	0.36	0.16				
C-22	2.2	1.15	0.23	0.20	0.13	0.36	0.16				
B-01	0.47	0.15	0.19	0.13	-	-	-	-			
B-02	0.47	0.15	0.19	0.13	-	-	-	-			
RH-W	0.20	-	-	-	-	-	-	0.10			
RH-E	0.10	-	-	-	-	-	-	0.10			
G-01	0.63	-	-	-	-	0.40	0.23	-			
FG-01	0.53	-	-	-	-	-	-	-	-	0.38	
L-01	0.31	-	-	-	-	-	-	-	-	-	
L-02		-	-	-	-	-	-	-	-	-	
EG-02	0.0080	-	-	-	-	-	-	-	-	-	
F-02[2]	0.33	-	-	-	-	-	-	-	-	-	
SSM-VP	0.10	-	-	-	-	-	-	-	-	-	
SSM-CB	0.036	-	-	-	-	-	-	-	-	-	
SSM-VRU	1.28	-	-	-	-	-	-	-	-	-	
Total	62.3	34.3	3.6	4.3	2.4	3.1	2.3	1.7	3.1	2.1	2.8

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