

DRAFT as of January 21, 2022

Data Base Summary (Statement of Basis)

NSR Permit

Type of Permit Action: Regular-New

PSD or Not	Minor or Title V	Portable or Not
Minor (not PSD)	Major-Title V	Stationary

Facility: Black River Gas Processing Plant
Company: DLK Black River Midstream, LLC
Facility Type: O&G-Gas Plant
Permit No. (NSR) 6567-M8
Operating Permit No. (TV) NA
Agency Interest No. 36133 - PRN20210001
AIRS ID No. 350151435
SIC CODE: 1321: Natural gas liquids
Permit Writer: Julia Kuhn
Application Notarized Date: March 16, 2021
Receive Date: May 5, 2021
Timeliness of TV Application: NA
Ruled Incomplete: NA
Ruled Complete: May 25, 2021
APP. sent to Field Office: NA
Public involvement Plan (PIP): May 25, 2021
PSD APP. Sent to EPA: NA
Public Notice Date & Newspaper: May 27, 2021 – Carlsbad Current Argus
Comments Due: June 26, 2021
Analysis Review Begins: TBD
Analysis Review Ends: TBD
Public Hearing: TBD
Proposed Permit to EPA Acknowledged: NA
Permit Due: August 23, 2021
Permit Issued: TBD
PSD Permit to EPA: NA

Facility Location: The facility is located 2.1 miles southwest of Loving, NM, in Eddy county.
UTM Zone: 13 ; **Datum:** NAD83
UTM Easting: 581750 meters
UTM Northing: 3570090 meters
Elevation: 3139 ft
County: Eddy
In a Sensitive Area: No

Contact Name: Jason Conway
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Consultant Name: NA

Consultant Address: NA

NSR Agency* Notification:

Agency	Distance	Units	Date Email Sent
State - Texas	37	km	May 25, 2021
Class I - Carlsbad Caverns National Park	24.1	km	NA

*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 6567-M7
Nitrogen Dioxide	151.0	Allowable	+69.3
Carbon Monoxide	184.4	Allowable	+90.4
Volatile Organic Compounds (VOC)	227.9	Allowable	+144.4
Sulfur Dioxide	100.2	Allowable	+15.6
Particulate Matter (total suspended)	9.9	Allowable	NA
Particulate Matter (10 microns or less)	9.9	Allowable	-0.5
Particulate Matter (2.5 microns or less)	8.1	Allowable	+0.8
Hydrogen Sulfide (H ₂ S)	1.3	Allowable	NA
Greenhouse Gas (GHG) as CO ₂ e	111,876.9	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)* and State Toxic Air Pollutants (TAPs)

Pollutant	Emissions (tons per year)	Emission Type	Change in Emission since Permit XXX
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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 XXX
Acetaldehyde	2.33	Potential	+1.75
Acrolein	1.43	Potential	+1.07
Benzene	9.61	Potential	+3.95
Formaldehyde	2.17	Potential	+0.78
Total HAP	15.75	Potential	+7.66

* 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.

Unit # (Subject Item ID)	SI Description	Primary	Secondary	Control Equipment Mfg & model (or equivalent)
ENG-1	Waukesha P9394GSI, 2250hp	Catalytic Converter	Air Fuel Ratio Controller	Not Reported
ENG-2	Waukesha P9394GSI, 2250hp	Catalytic Converter	Air Fuel Ratio Controller	Not Reported
ENG-3	Waukesha P9394GSI, 2250hp	Catalytic Converter	Air Fuel Ratio Controller	Not Reported
ENG-4	Waukesha P9394GSI, 2250hp	Catalytic Converter	Air Fuel Ratio Controller	Not Reported
AM-1	Amine Unit-1 290 MMSCFD	TO-1 (Thermal Oxidizer)		Zeeco
AM-2	Amine Unit-2 220 MMSCFD	TO-2 (Thermal Oxidizer)		Zeeco
Compressor Blowdowns	SSM/M – Plant 1	FL-1 (Flare)		Zeeco
DEHY-1 SSM – flash	SSM for Glycol Dehy Unit 290 MMSCFD	FL-2 (Flare)		Zeeco
DEHY-1 – stream condenser overhead	SSM for Glycol Dehy Unit 290 MMSCFD	FL-2 (Flare)		Zeeco
AM-1 SSM – flash	SSM for Amine Unit-1 290 MMSCFD	FL-2 (Flare)		Zeeco
Compressor Blowdowns	SSM/M – Plant 2	FL-2 (Flare)		Zeeco
DEHY-2 SSM – flash	SSM for Glycol Dehy Unit 220 MMSCFD	FL-3 (Flare)		Zeeco
AM-2 SSM – flash	SSM for Amine Unit-2 220 MMSCFD	FL-3 (Flare)		Zeeco
Compressor Blowdowns	SSM/M – Plant 3	FL-3 (Flare)		Zeeco
DEHY-1	Glycol Dehy Unit 290 MMSCFD	BTEX-1	F2 (Flare)	Not Reported
DEHY-2	Glycol Dehy Unit 220 MMSCFD	BTEX-2	TO-2 (Thermal Oxidizer)	Not Reported
TK-701	Produced Water Tank	VCU-1		Kimark Inc

Unit # (Subject Item ID)	SI Description	Primary	Secondary	Control Equipment Mfg & model (or equivalent)
	500bbl			
TK-702A	Stabilized Condensate Tank 500bbl	VCU-1		Kimark Inc
TK-702B	Stabilized Condensate Tank 500bbl	VCU-1		Kimark Inc
TK-702C	Stabilized Condensate Tank 500bbl	VCU-1		Kimark Inc
TK-702D	Stabilized Condensate Tank 500bbl	VCU-1		Kimark Inc
TK-702E	Stabilized Condensate Tank 500bbl	VCU-1		Kimark Inc
TK-702F	Stabilized Condensate Tank 500bbl	VCU-1		Kimark Inc

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
ENG-1	Internal combustion engine	Waukesha	P9394GSI	5283705346	Not Reported	01-JAN-16	2250 hp / 2250 hp	2250 hp / 2250 hp	Active	Waukesha P9394GSI, 2250hp
ENG-2	Internal combustion engine	Waukesha	P9394GSI	5283705365	Not Reported	01-JAN-16	2250 hp / 2250 hp	2250 hp / 2250 hp	Active	Waukesha P9394GSI, 2250hp
ENG-3	Internal combustion engine	Waukesha	P9394GSI	5283705405	Not Reported	01-JAN-16	2250 hp / 2250 hp	2250 hp / 2250 hp	Active	Waukesha P9394GSI, 2250hp

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
ENG-4	Internal combustion engine	Waukesha	P9394GSI	5283705381	Not Reported	01-JAN-16	2250 hp / 2250 hp	2250 hp / 2250 hp	Active	Waukesha P9394GSI, 2250hp
HT-101	Process Heater	Heat Recovery Corp	TBD	TBD	Not Reported	01-JAN-16	6.97 MM BTU/h / 6.97 MM BTU/h	6.97 MM BTU/h / 6.97 MM BTU/h	Active	Mole Sieve Heater 6.97 MMBtu/hr
HT-102	Process Heater	Heat Recovery Corp	TBD	TBD	Not Reported	01-JAN-16	9.74 MM BTU/h / 9.74 MM BTU/h	9.74 MM BTU/h / 9.74 MM BTU/h	Active	Mole Sieve Heater 9.74 MMBtu/hr
HT-103	Process Heater	Heat Recovery Corp	TBD	TBD	Not Reported	01-JAN-19	9.74 MM BTU/h / 9.74 MM BTU/h	9.74 MM BTU/h / 9.74 MM BTU/h	Active	Mole Sieve Heater 9.74 MMBtu/hr
HT-801	Process Heater	Heat Recovery Corp	TBD	TBD	Not Reported	01-JAN-19	6.97 MM BTU/h / 6.97 MM BTU/h	6.97 MM BTU/h / 6.97 MM BTU/h	Active	Stabilizer Heater 6.97 MMBtu/hr
HT-802	Process Heater	Heat Recovery Corp	TBD	TBD	Not Reported	01-JAN-19	6.23 MM BTU/h / 6.23 MM BTU/h	6.2 MM BTU/h / 6.2 MM BTU/h	Active	Stabilizer Heater 6.2 MMBtu/hr
HT-803	Process Heater	Heat Recovery Corp	TBD	TBD	Not Reported	TBD	6.23 MM BTU/h / 6.23 MM BTU/h	6.2 MM BTU/h / 6.2 MM BTU/h	Active	Stabilizer Heater 6.2 MMBtu/hr

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-1	Amine sweetening unit	Zeeco	TBD	TBD	Not Reported	01-JAN-18	290 MM SCFD / 290 MM SCFD	290 MM SCFD / 290 MM SCFD	Active	Amine Unit-1 290 MMSCFD
AM-2	Amine sweetening unit	Zeeco	TBD	TBD	Not Reported	01-JAN-19	220 MM SCFD / 220 MM SCFD	220 MM SCFD / 220 MM SCFD	Active	Amine Unit-2 220 MMSCFD
DR-1	Glycol Dehy Reboiler Burner	Tryer	TBD	TBD	Not Reported	01-JAN-17	2.9 MM BTU/h / 2.9 MM BTU/h	2.9 MM BTU/h / 2.9 MM BTU/h	Active	Dehy Reboiler 2.9 MMBtu/hr
DR-2	Glycol Dehy Reboiler Burner	Tryer	TBD	TBD	Not Reported	01-JAN-19	2.5 MM BTU/h / 2.5 MM BTU/h	2.5 MM BTU/h / 2.5 MM BTU/h	Active	Dehy Reboiler 2.5 MMBtu/hr
AR-1	Amine Boiler	Tulsa Heaters	TBD	TBD	Not Reported	01-JAN-18	21.09 MM BTU/h / 21.09 MM BTU/h	21.09 MM BTU/h / 21.09 MM BTU/h	Active	Amine Reboiler 21.09 MMBTU/hr
AR-2	Amine Boiler	Tulsa Heaters	TBD	TBD	Not Reported	01-JAN-19	23.92 MM BTU/h / 23.92 MM BTU/h	23.92 MM BTU/h / 23.92 MM BTU/h	Active	Amine Reboiler 23.92 MMBTU/hr
DEHY-1	Glycol Dehy Still Vent/Flash Tank	Tryer	TBD	TBD	Not Reported	01-JAN-17	290 MM SCF/d / 290 MM SCF/d	290 MM SCF/d / 290 MM SCF/d	Active	Glycol Dehy Unit 290 MMSCFD

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
DEHY-2	Glycol Dehy Still Vent/Flash Tank	Tryer	TBD	TBD	Not Reported	01-JAN-19	220 MM SCF/d / 220 MM SCF/d	220 MM SCF/d / 220 MM SCF/d	Active	Glycol Dehy Unit 220 MMSCFD
TO-1	Thermal Oxidizer (Incinerator)	Zeeco	TBD	TBD	Not Reported	01-JAN-18	9.9 MM BTU/h / 9.9 MM BTU/h	9.9 MM BTU/h / 9.9 MM BTU/h	Active	Thermal Oxidizer 9.9 MMBtu/hr
TO-2	Thermal Oxidizer (Incinerator)	Zeeco	TBD	TBD	Not Reported	01-JAN-18	9.9 MM SCFD / 9.9 MM SCFD	9.9 MM SCFD / 9.9 MM SCFD	Active	Thermal Oxidizer 9.9 MMBtu/hr
FL-1	Emergency Flare	Zeeco, Inc.	TBD	TBD	Not Reported	01-JAN-16	85 MM BTU/h / 85 MM BTU/h	85 MM BTU/h / 85 MM BTU/h	Active	Zeeco Flare 85 MMBtu/hr
FL-2	Process (DEHY-1)/SSM/M Flaring	Zeeco, Inc.	TBD	TBD	Not Reported	01-JAN-16	85 MM BTU/h / 85 MM BTU/h	85 MM BTU/h / 85 MM BTU/h	Active	Zeeco Flare 85 MMBtu/hr
FL-3	Emergency Flare	Zeeco, Inc.	TBD	TBD	Not Reported	01-JAN-19	85 MM BTU/h / 85 MM BTU/h	85 MM BTU/h / 85 MM BTU/h	Active	Zeeco Flare 85 MMBtu/hr
TK-702A	Condensate Tank - Above Ground	NA	NA	NA	Not Reported	01-JAN-16	500 bbl / 500 bbl	500 bbl / 15330000 gal/y	Active	Stabilized Condensate Tank 500bbl
TK-702B	Condensate Tank - Above Ground	NA	NA	NA	Not Reported	01-JAN-16	500 bbl / 500 bbl	500 bbl / 15330000 gal/y	Active	Stabilized Condensate Tank 500bbl

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-702C	Condensate Tank - Above Ground	NA	NA	NA	Not Reported	01-JAN-16	500 bbl / 500 bbl	500 bbl / 15330000 gal/y	Active	Stabilized Condensate Tank 500bbl
TK-702D	Condensate Tank - Above Ground	NA	NA	NA	Not Reported	01-JAN-16	500 bbl / 500 bbl	500 bbl / 15330000 gal/y	Active	Stabilized Condensate Tank 500bbl
TK-702E	Condensate Tank - Above Ground	NA	NA	NA	Not Reported	01-JAN-16	500 bbl / 500 bbl	500 bbl / 15330000 gal/y	Active	Stabilized Condensate Tank 500bbl
TK-702F	Condensate Tank - Above Ground	NA	NA	NA	Not Reported	01-JAN-16	500 bbl / 500 bbl	500 bbl / 15330000 gal/y	Active	Stabilized Condensate Tank 500bbl
TK-701	Produced Water Tank - Above Ground	NA	NA	NA	Not Reported	01-JAN-16	500 bbl / 500 bbl	500 bbl / 2301523 gal/y	Active	Produced Water Tank 500bbl
VCU-1	Vapor Combustion Unit Incinerator	Kimark, Inc.	TBD	TBD	Not Reported	01-JAN-16	7.11 MM BTU/h / 7.11 MM BTU/h	7.11 MM BTU/h / 7.11 MM BTU/h	Active	Vapor Combustion Unit 7.11 MMBtu/hr
TL-1	Condensate Tanks – Truck Loading	NA	NA	NA	Not Reported	01-JAN-16	42000 bbl/y	42000 bbl/y	Active	Condensate Truck Loading
TL-2	Produced Water Tank – Truck Loading	NA	NA	NA	Not Reported	01-JAN-16	1050 bbl/y	1050 bbl/y	Active	Produced Water Truck Loading
FUG	Fugitives	NA	NA	NA	Not Reported	NA	NA	NA	Active	Fugitives

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
Cryo-1	Cryogenic Unit	NA	NA	NA	Not Reported	01-JAN-16	70 MM SCFD / 70 MM SCFD	70 MM SCFD / 70 MM SCFD	Active	Cryo Unit -1 70 MMSCFD
Cryo-2	Cryogenic Unit	NA	NA	NA	Not Reported	01-JAN-17	220 MM SCFD / 220 MM SCFD	220 MM SCFD / 220 MM SCFD	Active	Cryo Unit -2 220 MMSCFD
Cryo-3	Cryogenic Unit	NA	NA	NA	Not Reported	01-JAN-19	220 MM SCFD / 220 MM SCFD	220 MM SCFD / 220 MM SCFD	Active	Cryo Unit -3 220 MMSCFD
MAL (FL-1, FL-2, FL-3)	Malfunction Flaring	NA	NA	NA	Not Reported	NA	NA	NA	Active	Malfunction Emissions
TO-1 SSM	Thermal Oxidizer (Amine AM-1) Venting	NA	NA	NA	Not Reported	NA	NA	NA	Active	Startup Shutdown Maintenance
TO-2 SSM	Thermal Oxidizer (Amine AM-2 and DEHY-2) Venting	NA	NA	NA	NA	NA	NA	NA	Active	Startup Shutdown Maintenance
Malfunction Venting	Malfunction Venting	NA	NA	NA	NA	NA	NA	NA	Active	Malfunction Emissions
SSM	SSM Venting	NA	NA	NA	NA	NA	NA	NA	Active	Startup Shutdown Maintenance

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
VCU-1 SSM	Vapor Combustion Unit Downtime	NA	NA	NA			/	/	Active	Startup Shutdown Maintenance

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
DM-1	Separator	NA	NA	NA	21-JUL-17	01-JAN-17	NA	NA	Removed	Demethanizer
HR	Roads	NA	NA	NA	NA	NA	NA	NA	Insignificant	Haul Roads
Load - 3	Transfer Point	NA	NA	NA	NA	NA	NA	NA	Removed	Truck Loading Operation - Product (NGL) (removed)

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

Unit No.	NO _x (pph)	¹ NO _x (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO ₂ (pph)	SO ₂ (tpy)	PM ₁₀ /PM _{2.5} (pph)	PM ₁₀ /PM _{2.5} (tpy)	H ₂ S (pph)	H ₂ S (tpy)
ENG-1	3.1	13.6	3.1	13.6	1.4	6.0	<	<	<	<	<	<
ENG-2	3.1	13.6	3.1	13.6	1.4	6.0	<	<	<	<	<	<
ENG-3	3.1	13.6	3.1	13.6	1.4	6.0	<	<	<	<	<	<
ENG-4	3.1	13.6	3.1	13.6	1.4	6.0	<	<	<	<	<	<
HT-101	<	2.8	<	2.4	<	<	<	<	<	<	-	-
HT-102	<	3.9	<	3.3	<	<	<	<	<	<	-	-

Unit No.	NO _x (pph)	¹ NO _x (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO ₂ (pph)	SO ₂ (tpy)	PM ₁₀ / PM _{2.5} (pph)	PM ₁₀ / PM _{2.5} (tpy)	H ₂ S (pph)	H ₂ S (tpy)
HT-103	<	3.9	<	3.3	<	<	<	<	<	<	-	-
HT-801	<	2.8	<	2.4	<	<	<	<	<	<	-	-
HT-802	<	2.5	<	2.1	<	<	<	<	<	<	-	-
HT-803	<	2.5	<	2.1	<	<	<	<	<	<	-	-
AM-1	-	-	-	-	0.0	0.0	-	-	-	-	-	-
AM-2	-	-	-	-	0.0	0.0	-	-	-	-	-	-
DR-1	<	1.2	<	1.0	<	<	<	<	<	<	-	-
DR-2	<	1.0	<	<	<	<	<	<	<	<	-	-
AR-1	2.0	8.5	1.6	7.2	<	<	<	<	<	<	-	-
AR-2	2.2	9.7	1.9	8.1	<	<	<	<	<	<	-	-
DEHY-1	-	-	-	-	0.0	0.0	-	-	-	-	-	-
DEHY-2	-	-	-	-	0.0	0.0	-	-	-	-	-	-
TO-1	1.4	6.3	1.3	5.8	0.4	1.6	12.3	53.8	0.5/ 0.4	2.2/ 1.6	0.1	0.6
TO-2	2.2	9.7	2.0	9.0	3.8	16.6	9.4	41.0	0.4/ 0.3	1.8/ 1.4	0.1	0.4
FL-1	0.04	0.16	0.03	0.13	2.0E- 03	0.01	2.2E- 04	9.5E- 04	-	-	1.1E- 04	5.0E- 04
FL-2	1.70	7.44	3.33	14.60	3.49	15.29	0.10	0.43	-	-	1.2E- 03	0.01
FL-3	0.05	0.20	0.04	0.17	2.5E- 03	0.01	2.8E- 04	1.2E- 03	-	-	1.5E- 04	6.4E- 04
TK-702A	-	-	-	-	0.0	0.0	-	-	-	-	-	-
TK-702B	-	-	-	-	0.0	0.0	-	-	-	-	-	-
TK-702C	-	-	-	-	0.0	0.0	-	-	-	-	-	-
TK-702D	-	-	-	-	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)	PM ₁₀ / PM _{2.5} (pph)	PM ₁₀ / PM _{2.5} (tpy)	H ₂ S (pph)	H ₂ S (tpy)
TK-702E	-	-	-	-	0.0	0.0	-	-	-	-	-	-
TK-702F	-	-	-	-	0.0	0.0	-	-	-	-	-	-
TK-701	-	-	-	-	0.0	0.0	-	-	-	-	-	-
VCU-1	1.2	5.4	2.5	10.8	8.1	35.5	5.7E-04	2.5E-03	<	<	9.8E-06	4.3E-05
TL-1	-	-	-	-	69.4	4.1	-	-	-	-	<	<
TL-2	-	-	-	-	129.7	0.2	-	-	-	-	<	<
FUG	-	-	-	-	7.9	34.5	-	-	-	-	<	<

1 Nitrogen dioxide emissions include all oxides of nitrogen expressed as NO₂.

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.

Allowable SSM Units, Activities, and Emission Limits

Unit No.	Description	NO _x pph	NO _x tpy	CO pph	CO tpy	VOC pph	VOC tpy	SO ₂ pph	SO ₂ tpy	H ₂ S pph	H ₂ S pph
TO-1 SSM	TO-1/TO-2 (thermal oxidizer - 2% downtime)	-	-	-	-	19.5	1.7	-	-	6.5	0.6
TO-2 SSM		-	-	-	-	190.3	16.7	-	-	5.2E-02	4.6E-03
Malfunction	Venting	-	-	-	-	*	4.0	-	-	<	<

Unit No.	Description	NO _x pph	NO _x tpy	CO pph	CO tpy	VOC pph	VOC tpy	SO ₂ pph	SO ₂ tpy	H ₂ S pph	H ₂ S pph
FL-1	Compressor blowdowns, plant blowdowns DEHY-1/DEHY- 2 and AM- 1/AM-2 Flash Emissions)	103.6	5.0	206.7	9.9	99.4	4.8	0.6	1.2E- 02	6.4E- 03	3.1E- 04
FL-2		173.8	9.6	347.0	18.8	168.1	9.7	1.0	7.5E- 02	1.1E- 02	1.5E- 03
FL-3		143.8	7.9	287.0	15.9	139.3	8.3	10.1	0.9	1.1E- 01	9.3E- 03
FL-1 Malfunction	Malfunction Flaring ⁴	103.6	6.2	206.7	10.0	*	6.0	0.6	3.4E- 02	6.4E- 03	3.8E- 04
FL-2 Malfunction		173.9		347.0		*		1.0		1.1E- 02	
FL-3 Malfunction		143.8		287.0		*		10.1		1.1E- 01	
VCU-1 SSM	Tanks (1% downtime)	-	-	-	-	*	17.8	-	-	3.00E- 04	1.3E- 05
SSM	Pig Launcher Blowdowns	-	-	-	-	*	12.1	-	-	<	<

- This authorization does not include VOC combustion emissions.
“<” indicates the application represented that uncontrolled venting, blowdown, or pigging emissions of H₂S are less than 0.1 pph or 0.44 tpy. Allowable limits, monitoring, and recordkeeping are not required on this level of H₂S venting, blowdown, or pigging emissions.
- To report excess emissions for sources with no pound per hour and/or ton per year emission limits, see condition B110F.
- “*” indicates hourly emission limits are not appropriate for this operating situation.
- Compressor blowdowns, plant blowdowns DEHY-1/DEHY-2 and AM-1/AM-2 Flash Emissions

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

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.(s)	Total HAPS		Formaldehyde x HAP or TAP		Benzene x HAP or TAP		Toulene x HAP or TAP		Acetaldehyde x HAP or TAP		Acrolein x HAP or TAP		Xylene x HAP or TAP	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
ENG-1	0.35	1.55	0.12	0.54	0.01	0.03	0.01	0.03	0.13	0.58	0.08	0.36	0.003	0.01
ENG-2	0.35	1.55	0.12	0.54	0.01	0.03	0.01	0.03	0.13	0.58	0.08	0.36	0.003	0.01
ENG-3	0.35	1.55	0.12	0.54	0.01	0.03	0.01	0.03	0.13	0.58	0.08	0.36	0.003	0.01
ENG-4	0.35	1.55	0.12	0.54	0.01	0.03	0.01	0.03	0.13	0.58	0.08	0.36	0.003	0.01
HT-101	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HT-801	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HT-102	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AR-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DR-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HT-103	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HT-802	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AR-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DR-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HT-803	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dehy-1	Emissions are controlled by flare, FL-2. Emissions are represented under FL-2.													
AM-1	Emissions are controlled by thermal oxidizer, TO-1. Emissions are represented under TO-1.													
Dehy-2	Emissions are controlled by thermal oxidizer, TO-2. Emissions are represented under TO-2.													
AM-2	Emissions are controlled by thermal oxidizer, TO-2. Emissions are represented under TO-2.													
TO-1	0.15	0.65	-	-	0.15	0.65	-	-	-	-	-	-	-	-
TO-2	0.60	2.64	-	-	0.60	2.64	-	-	-	-	-	-	-	-
TO-1 SSM	7.44	0.65	-	-	7.44	0.65	-	-	-	-	-	-	-	-
TO-2 SSM	22.02	1.93	-	-	22.02	1.93	-	-	-	-	-	-	-	-
DEHY-1 SSM	18.75	1.64	-	-	18.75	1.64	-	-	-	-	-	-	-	-
FL-1	0.05	0.00	-	-	0.05	0.00	-	-	-	-	-	-	-	-
FL-2	0.09	0.01	-	-	0.47	1.66	-	-	-	-	-	-	-	-
FL-3	0.24	0.03	-	-	0.24	0.03	-	-	-	-	-	-	-	-
VCU-1	0.05	0.22	-	-	0.05	0.22	-	-	-	-	-	-	-	-
TK-702A-F	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VCU-1													
TK-701	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VCU-1.													
TL-1	0.66	0.05	-	-	0.66	0.05	-	-	-	-	-	-	-	-
TL-2	8.94	0.01	-	-	8.94	0.01	-	-	-	-	-	-	-	-
FUG	0.01	0.03	-	-	-	-	-	-	-	-	-	-	-	-
SSM	8.94	0.01	-	-	0.02	0.00	-	-	-	-	-	-	-	-
MAL	0.24	0.00	-	-	0.24	0.00	-	-	-	-	-	-	-	-
Totals:	69.61	14.11	0.50	2.17	59.67	9.61	0.03	0.11	0.53	2.33	0.33	1.43	0.01	0.05

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