audubon

COMBUSTOR DATA SHEET

Document No: 019141001-AE-DS-ME0018

XTO ENERGY

CUSTOMER:	XTO ENERGY	PROJECT NO.: 019141001		ITEM #:	NOTE 11
PLANT NAME:	HUSKY CDP	DATE: 11-Dec-2018		REVISION:	B
PLANT LOCATION:	EDDY COUNTY, NEW MEXICO	PREPARED BY: TJ/WP		CASE:	RFQ
SERVICE:	COMBUSTOR PACKAGE	CHECKED BY: AP/VY		QTY.:	ONE
MANUFACTURED BY:	TBD	PAGE:	1	OF	1

REVISION

PROCESS DATA

CASE:	TANK OUTBREATHING				
	(MOLE%)	(MOLE%)	(MOLE%)	(MOLE%)	
COMPOSITION					
H2O	0.004%				
NITROGEN	1.737%				
CO2	0.175%				
H2S	0.000%				
METHANE	73.330%				
ETHANE	14.784%				
PROPANE	7.246%				
i-BUTANE	0.738%				
n-BUTANE	1.554%				
i-PENTANE	0.202%				
n-PENTANE	0.165%				
n-HEXANE	0.009%				
C7+	0.058%				
TOTAL:	100%				
FLOW CAPACITY:	45,682 SCFH				

INLET CONDITIONS

AVAILABLE ΔP, OZ/IN^2	< 2				
TEMPERATURE, °F	100				

HEATING VALUE

HHV, BTU/SCF	1,285				
LHV, BTU/SCF	1,166				

SITE DATA

ELEVATION ABOVE SEA LEVEL, FT	3155	WIND DESIGN	120 MPH (3 sec. gust) (ASCE 7-10)
BAROMETRIC PRESSURE, PSIA	13.2	SEISMIC DESIGN	Ss = 0.146 g; S1 = 0.042 g; Fa = 1.2, Fv = 1.7; TL = 6 seg
MAX TEMPERATURE, °F	96	RAIN	-
MIN TEMPERATURE, °F	31	SNOW LOAD	Pg = 10 psf

UTILITY DATA

INSTRUMENT AIR		POWER		FUEL GAS	
MIN PRESSURE, PSIG	80	VOLTAGE	480	PRESSURE, PSIG	125
MAX PRESSURE, PSIG	125	PHASE	3	TEMPERATURE, °F	35 - 80
DEW POINT, °F	-40	CYCLE, HZ	60	FLOW RATE, SCFH	*

NOTES: * DENOTES INFORMATION TO BE PROVIDED BY VENDOR

1. PACKAGE SHALL INCLUDE COMBUSTOR, KNOCKOUT POT, 2X100% PUMPS AND REMOTE IGNITION SYSTEM WITH PILOT MONITORING.
2. KNOCKOUT POT TO BE DESIGNED AND TESTED PER ASME CODE WITH STAMP. PAINTED PER AUDUBON SPEC. INCLUDE CONNECTIONS FOR INLET, OUTLET, INSPECTION, LEVEL CONTROL, DRAIN, AND LIQUID LEVEL GAUGE.
3. PLEASE PROVIDE COMBUSTION EFFICIENCY WITH QUOTE.
4. THE UNIT SHALL BE SMOKELESS AND CAPABLE OF ACHIEVING 99.9% OR GREATER DESTRUCTION OF THE HYDROCARBON COMPONENTS IN THE GAS STREAM.
5. GROUNDING LUGS TO BE PROVIDED.
6. IGNITION SYSTEM LOCATION SHALL BE AT DISTANCE FROM COMBUSTOR FOR SAFE OPERATION AS RECOMMENDED BY THE VENDOR. VENDOR TO SUPPLY 100 FT OF IGNITION CABLE.
7. IGNITION UNIT SHALL INCLUDE IGNITION TRANSFORMER, ELECTRODE, IGNITION BURNER, FLAME PILOT SYSTEM.
8. NO YELLOW METAL ALLOWED.
9. AREA CLASSIFICATION , CLASS 1 DIV2 GROUP D - TEMP CLASS T2.
10. PAINTING AND COATING SHALL BE PER ATTACHED GENERAL SPECIFICATION: AE-SP-ME1007; FINISH COLOR: CARLSBAD CANYON.
11. AUDUBON TO PROVIDE EQUIPMENT TAGS AT THE TIME OF PURCHASE.
12. VENDOR TO FURNISH TWO (2) 1X100% FLAME ARRESTORS WITH MINIMUM ΔP AT COMBUSTOR INLET.
13. VENDOR TO FURNISH TWO (2) BUTTERFLY SHUTDOWN VALVE AT COMBUSTOR STACK INLET COMPLETE WITH PLC COMPONENTS AND LOGIC FOR VALVE TO BE CONTROLLED FROM COMBUSTOR CONTROL PANEL.

REVISION	A	B				
BY:	TJ	WP				
DATE:	12/3/2018	12/11/2018				
ISSUED FOR:	INTERNAL REVIEW	RFQ				

Table 2-A: Regulated Emission Sources (ALL EQUIPMENT FOR FULL CDP/COGEN BUILDOUT)

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
SHTR1	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR1	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR2	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR2	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR3	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR3	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR4	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR4	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR5	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR5	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR6	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR6	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR7	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR7	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR8	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR8	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR9	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR9	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR10	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR10	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR11	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR11	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR12	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR12	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
CHTR1	Cryo Hot Oil Heater (103.99 MMBtu/hr)	THM	N/A	TBD	103.99 MMBtu/hr	103.99 MMBtu/hr	TBD / TBD	NA / CHTR1	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (ALL EQUIPMENT FOR FULL CDP/COGEN BUILDOUT)

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
CHTR2	Cryo Hot Oil Heater (103.99 MMBtu/hr)	THM	N/A	TBD	103.99 MMBtu/hr	103.99 MMBtu/hr	TBD / TBD	NA / CHTR2	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
CHTR3	Cryo Hot Oil Heater (103.99 MMBtu/hr)	THM	N/A	TBD	103.99 MMBtu/hr	103.99 MMBtu/hr	TBD / TBD	NA / CHTR3	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR1	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR1	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR2	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR2	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR3	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR3	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1	SSM/Emergency Flare 1 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL1	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL2	SSM/Emergency Flare 2 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL2	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL3	Backup SSM/Emergency Flare 3 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL3	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1-FL3OVHD-SSM	FL1-FL3 Stabilizer Overhead SSM Gas	Zeeco, Inc.	N/A	TBD	1.2 MMscfd	1.2 MMscfd	TBD / TBD	FL1-FL3 / FL1-FL3OVHD-SSM	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1-FL3CRYO-SSM	FL1-FL3 Cryo Blowdown SSM Gas	Zeeco, Inc.	N/A	TBD	0.375 MMscfd	0.375 MMscfd	TBD / TBD	FL1-FL3 / FL1-FL3CRYO-SSM	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR1	Oil Storage 1 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR1	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR2	Oil Storage 2 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR2	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

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Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
IFR3	Oil Storage 3 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR3	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR4	Oil Storage 4 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR4	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK1	3rd-Party Oil Storage 1	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK2	3rd-Party Oil Storage 2	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK3	3rd-Party Oil Storage 3	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK4	3rd-Party Oil Storage 4	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK5	3rd-Party Oil Storage 5	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK6	3rd-Party Oil Storage 6	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
ECD1	Combustor	Zeeco, Inc.	N/A	TBD	45,682 SCFH	45,682 SCFH	TBD / TBD	NA / ECD1	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TO1	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO1	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TO2	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO2	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TO3	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO3	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FUG	Fugitives	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / FUG	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (ALL EQUIPMENT FOR FULL CDP/COGEN BUILDOUT)

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
SSM	Storage Tank SSM Emissions	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / SSM	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
ROAD	Haul Road Fugitives	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / ROAD	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTK1	Produced Water Tank 1	TBD	N/A	TBD	750 bbl	750 bbl	TBD / TBD	ECD1 / ECD1	40400315	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTK2	Produced Water Tank 2	TBD	N/A	TBD	750 bbl	750 bbl	TBD / TBD	ECD1 / ECD1	40400315	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTL	Produced Water Loading	N/A	N/A	N/A	N/A	10,308 bbl/day	TBD / TBD	NA / PWTL	40400250	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTL	Slop Oil Loading	N/A	N/A	N/A	210 bbl/day	210 bbl/day	TBD / TBD	NA / OTL	40400250	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
AU1	Amine Unit 1	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD / TBD	TO1 / TO1	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
AU2	Amine Unit 2	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD / TBD	TO2 / TO2	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
AU3	Amine Unit 3	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD / TBD	TO3 / TO3	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GBS1	Gunbarrel Tank	Advance Tank	N/A	TBD	1,000 bbl	1,000 bbl	TBD / TBD	ECD1 / ECD1	31000506	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK7	Slop Oil Tank	Advance Tank	N/A	TBD	500 bbl	500 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR1	Turbine	Mitsubishi	H-100	TBD	120 MW	120 MW	TBD / TBD	CAT1 / TUR1	20200203	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

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TUR2	Turbine	Mitsubishi	H-100	TBD	120 MW	120 MW	TBD TBD	CAT2 TUR2	20200203	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR3	Turbine	Mitsubishi	H-100	TBD	120 MW	120 MW	TBD TBD	CAT3 TUR3	20200203	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR4	Turbine	Mitsubishi	H-100	TBD	120 MW	120 MW	TBD TBD	CAT4 TUR4	20200203	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN1	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN1	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN2	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN2	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN3	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN3	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN4	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN4	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN5	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN5	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN6	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN6	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN7	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN7	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN8	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN8	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
ESTCO MP1-17	17 Electric Stabilizer Compressors	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
EIACO MP1-5	5 Electric Instrument Air Compressors	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
CRYO1-3	3 Cryogenic Trains	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
MOL1-3	3 Molecular Sieve Dehydrators	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

[1] Unit numbers must correspond to unit numbers in the previous NOI unless a complete cross reference table of all units in both NOIs is provided.
[2] Specify dates required to determine regulatory applicability.
[3] To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.
[4] "4SLB" means four stroke lean burn engine, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition

Table 2-A: Regulated Emission Sources (CDP BUILDOUT WITH NO TURBINES)

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
SHTR1	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR1	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR2	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR2	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR3	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR3	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR4	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR4	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR5	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR5	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR6	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR6	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR7	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR7	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR8	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR8	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR9	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR9	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR10	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR10	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR11	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR11	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR12	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR12	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (CDP BUILDOUT WITH NO TURBINES)

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
CHTR1	Cryo Hot Oil Heater (103.99 MMBtu/hr)	THM	N/A	TBD	103.99 MMBtu/hr	103.99 MMBtu/hr	TBD / TBD	NA / CHTR1	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
CHTR2	Cryo Hot Oil Heater (103.99 MMBtu/hr)	THM	N/A	TBD	103.99 MMBtu/hr	103.99 MMBtu/hr	TBD / TBD	NA / CHTR2	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
CHTR3	Cryo Hot Oil Heater (103.99 MMBtu/hr)	THM	N/A	TBD	103.99 MMBtu/hr	103.99 MMBtu/hr	TBD / TBD	NA / CHTR3	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR1	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR1	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR2	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR2	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR3	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR3	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1	SSM/Emergency Flare 1 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL1	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL2	SSM/Emergency Flare 2 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL2	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL3	Backup SSM/Emergency Flare 3 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL3	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1-FL3OVHD-SSM	FL1-FL3 Stabilizer Overhead SSM Gas	Zeeco, Inc.	N/A	TBD	1.2 MMscfd	1.2 MMscfd	TBD / TBD	FL1-FL3 / FL1-FL3OVHD-SSM	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1-FL3CRYO-SSM	FL1-FL3 Cryo Blowdown SSM Gas	Zeeco, Inc.	N/A	TBD	0.375 MMscfd	0.375 MMscfd	TBD / TBD	FL1-FL3 / FL1-FL3CRYO-SSM	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR1	Oil Storage 1 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR1	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (CDP BUILDOUT WITH NO TURBINES)

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
IFR2	Oil Storage 2 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR2	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR3	Oil Storage 3 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR3	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR4	Oil Storage 4 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR4	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK1	3rd-Party Oil Storage 1	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK2	3rd-Party Oil Storage 2	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK3	3rd-Party Oil Storage 3	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK4	3rd-Party Oil Storage 4	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK5	3rd-Party Oil Storage 5	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK6	3rd-Party Oil Storage 6	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
ECD1	Combustor	Zeeco, Inc.	N/A	TBD	45,682 SCFH	45,682 SCFH	TBD / TBD	NA / ECD1	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TO1	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO1	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (CDP BUILDOUT WITH NO TURBINES)

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
TO2	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO2	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TO3	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO3	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FUG	Fugitives	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / FUG	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SSM	Storage Tank SSM Emissions	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / SSM	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
ROAD	Haul Road Fugitives	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / ROAD	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTK1	Produced Water Tank 1	TBD	N/A	TBD	750 bbl	750 bbl	TBD / TBD	ECD1 / ECD1	40400315	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTK2	Produced Water Tank 2	TBD	N/A	TBD	750 bbl	750 bbl	TBD / TBD	ECD1 / ECD1	40400315	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTL	Produced Water Loading	N/A	N/A	N/A	N/A	10,308 bbl/day	TBD / TBD	NA / PWTL	40400250	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTL	Slop Oil Loading	N/A	N/A	N/A	210 bbl/day	210 bbl/day	TBD / TBD	NA / OTL	40400250	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
AU1	Amine Unit 1	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD / TBD	TO1 / TO1	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
AU2	Amine Unit 2	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD / TBD	TO2 / TO2	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (CDP BUILDOUT WITH NO TURBINES)

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
AU3	Amine Unit 3	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD TBD	TO3 TO3	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GBS1	Gunbarrel Tank	Advance Tank	N/A	TBD	1,000 bbl	1,000 bbl	TBD TBD	ECD1 ECD1	31000506	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK7	Slop Oil Tank	Advance Tank	N/A	TBD	500 bbl	500 bbl	TBD TBD	ECD1 ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN1	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN1	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN2	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN2	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN3	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN3	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN4	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN4	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN5	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN5	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN6	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN6	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN7	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN7	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
GEN8	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN8	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	4SLB	N/A
ESTCO MP1-17	17 Electric Stabilizer Compressors (Not emission units)	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
EIACO MP1-5	5 Electric Instrument Air Compressors (Not emission units)	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

[1] Unit numbers must correspond to unit numbers in the previous NOI unless a complete cross reference table of all units in both NOIs is provided.
[2] Specify dates required to determine regulatory applicability.
[3] To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.
[4] "4SLB" means four stroke lean burn engine, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition

Table 2-A: Regulated Emission Sources (4 TURBINES W/2 STABILIZERS)

Unit and stack numbering must correspond throughout the application package. Equipment exemptions under 2.72.202 NMAC do not apply to 20.2.73 NMAC. Identify process equipment that is used to reroute emissions back into the process or sales pipeline in Table 2-A, such as a VRU, VRT, ULPS, Flashing Vessel, or Blowcase.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
SHTR1	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR1	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SHTR2	Stabilization Hot Oil Heater (64.83 MMBtu/hr)	THM	N/A	TBD	64.83 MMBtu/hr	64.83 MMBtu/hr	TBD / TBD	NA / SHTR2	31000403	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR1	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR1	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR2	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR2	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
RHTR3	Regen Heater (39.14 MMBtu/hr)	THM	N/A	TBD	39.14 MMBtu/hr	39.14 MMBtu/hr	TBD / TBD	NA / RHTR3	31000405	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1	SSM/Emergency Flare 1 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL1	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL2	SSM/Emergency Flare 2 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL2	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL3	Backup SSM/Emergency Flare 3 (Dual Tip Flare)	Zeeco, Inc.	N/A	TBD	250 MMscfd	250 MMscfd	TBD / TBD	NA / FL3	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1-FL3OVHD-SSM	FL1-FL3 Stabilizer Overhead SSM Gas	Zeeco, Inc.	N/A	TBD	1.2 MMscfd	1.2 MMscfd	TBD / TBD	FL1-FL3 / FL1-FL3OVHD-SSM	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FL1-FL3CRYO-SSM	FL1-FL3 Cryo Blowdown SSM Gas	Zeeco, Inc.	N/A	TBD	0.375 MMscfd	0.375 MMscfd	TBD / TBD	FL1-FL3 / FL1-FL3CRYO-SSM	31000160	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR1	Oil Storage 1 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR1	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR2	Oil Storage 2 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR2	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (4 TURBINES W/2 STABILIZERS)

Unit and stack numbering must correspond throughout the application package. Equipment exemptions under 2.72.202 NMAC do not apply to 20.2.73 NMAC. Identify process equipment that is used to reroute emissions back into the process or sales pipeline in Table 2-A, such as a VRU, VRT, ULPS, Flashing Vessel, or Blowcase.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
IFR3	Oil Storage 3 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR3	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
IFR4	Oil Storage 4 (100,000 bbl)	Advance Tank	N/A	TBD	100,000 bbl	100,000 bbl	TBD / TBD	NA / IFR4	40400331	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK1	3rd-Party Oil Storage 1	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK2	3rd-Party Oil Storage 2	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK3	3rd-Party Oil Storage 3	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK4	3rd-Party Oil Storage 4	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK5	3rd-Party Oil Storage 5	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK6	3rd-Party Oil Storage 6	Advance Tank	N/A	TBD	2,000 bbl	2,000 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
ECD1	Combustor	Zeeco, Inc.	N/A	TBD	45,682 SCFH	45,682 SCFH	TBD / TBD	NA / ECD1	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TO1	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO1	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TO2	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO2	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TO3	Thermal Oxidizer	Zeeco, Inc.	N/A	TBD	31.5 MMBtu/hr	31.5 MMBtu/hr	TBD / TBD	NA / TO3	31000209	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
FUG	Fugitives	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / FUG	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (4 TURBINES W/2 STABILIZERS)

Unit and stack numbering must correspond throughout the application package. Equipment exemptions under 2.72.202 NMAC do not apply to 20.2.73 NMAC. Identify process equipment that is used to reroute emissions back into the process or sales pipeline in Table 2-A, such as a VRU, VRT, ULPS, Flashing Vessel, or Blowcase.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
SSM	Storage Tank SSM Emissions	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / SSM	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
ROAD	Haul Road Fugitives	N/A	N/A	N/A	N/A	N/A	TBD / TBD	NA / ROAD	31088811	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTK1	Produced Water Tank 1	TBD	N/A	TBD	750 bbl	750 bbl	TBD / TBD	ECD1 / ECD1	40400315	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTK2	Produced Water Tank 2	TBD	N/A	TBD	750 bbl	750 bbl	TBD / TBD	ECD1 / ECD1	40400315	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
PWTL	Produced Water Loading	N/A	N/A	N/A	N/A	10,308 bbl/day	TBD / TBD	NA / PWTL	40400250	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTL	Slop Oil Loading	N/A	N/A	N/A	210 bbl/day	210 bbl/day	TBD / TBD	NA / OTL	40400250	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
AU1	Amine Unit 1	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD / TBD	TO1 / TO1	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
AU2	Amine Unit 2	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD / TBD	TO2 / TO2	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
AU3	Amine Unit 3	TBD	N/A	TBD	250 MMSCFD	250 MMSCFD	TBD / TBD	TO3 / TO3	31000305	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GBS1	Gunbarrel Tank	Advance Tank	N/A	TBD	1,000 bbl	1,000 bbl	TBD / TBD	ECD1 / ECD1	31000506	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
OTK7	Slop Oil Tank	Advance Tank	N/A	TBD	500 bbl	500 bbl	TBD / TBD	ECD1 / ECD1	40400311	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR1	Turbine	Mitsubishi	H-100	TBD	120 MW	120 MW	TBD / TBD	CAT1 / TUR1	20200203	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

Table 2-A: Regulated Emission Sources (4 TURBINES W/2 STABILIZERS)

Unit and stack numbering must correspond throughout the application package. Equipment exemptions under 2.72.202 NMAC do not apply to 20.2.73 NMAC. Identify process equipment that is used to reroute emissions back into the process or sales pipeline in Table 2-A, such as a VRU, VRT, ULPS, Flashing Vessel, or Blowcase.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
TUR2	Turbine	Mitsubishi	H-100	TBD	120 MW	120 MW	TBD TBD	CAT2 TUR2	20200203	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR3	Turbine	Mitsubishi	H-100	TBD	120 MW	120 MW	TBD TBD	CAT3 TUR3	20200203	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR4	Turbine	Mitsubishi	H-100	TBD	120 MW	120 MW	TBD TBD	CAT4 TUR4	20200203	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN1	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN1	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN2	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN2	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN3	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN3	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN4	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN4	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN5	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN5	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN6	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN6	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN7	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN7	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
GEN8	Emergency Generator	Caterpillar	G3520H	TBD	3448 HP	3448 HP	TBD TBD	NA GEN8	20200254	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
ESTCO MP1-17	17 Electric Stabilizer Compressors (Not emission units)	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
EIACO MP1-5	5 Electric Instrument Air Compressors (Not emission units)	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A

[1] Unit numbers must correspond to unit numbers in the previous NOI unless a complete cross reference table of all units in both NOIs is provided.

[2] Specify dates required to determine regulatory applicability.

[3] To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.

[4] "4SLB" means four stroke lean burn engine, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition

Table 2-B: Insignificant Activities[1] (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 202.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.env.nm.gov/aqb/permit/aqb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at http://www.env.nm.gov/aqb/forms/InsignificantListTitleV.pdf . TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No. / Serial No.	Max Capacity / Capacity Units	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5) / Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Manufacture /Reconstruction[2] / Date of Installation /Construction[2]	For Each Piece of Equipment, Check Onc
LOV1	Turbine Lube Oil Vent	Mitsubishi	N/A N/A	N/A N/A	20.2.72.202.B.5 Units with PTE < 0.5 tpy	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
LOV2	Turbine Lube Oil Vent	Mitsubishi	N/A N/A	N/A N/A	20.2.72.202.B.5 Units with PTE < 0.5 tpy	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
LOV3	Turbine Lube Oil Vent	Mitsubishi	N/A N/A	N/A N/A	20.2.72.202.B.5 Units with PTE < 0.5 tpy	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
LOV4	Turbine Lube Oil Vent	Mitsubishi	N/A N/A	N/A N/A	20.2.72.202.B.5 Units with PTE < 0.5 tpy	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
TK5001	Thermal Fluid Surge Tank (Nitrogen and Trace VOC)	TBD	N/A N/A	N/A N/A	20.2.72.202.B.5 Units with PTE < 0.5 tpy	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
TK5002	Thermal Fluid Surge Tank (Nitrogen and Trace VOC)	TBD	N/A N/A	N/A N/A	20.2.72.202.B.5 Units with PTE < 0.5 tpy	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
40A	1000 bbl Demin Water Tank	TBD	N/A N/A	N/A N/A	Not a source of regulated emissions 	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
40B	1000 bbl Raw Water Tank	TBD	N/A N/A	N/A N/A	Not a source of regulated emissions 	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
78A	1000 bbl Raw Water Tank	TBD	N/A N/A	N/A N/A	Not a source of regulated emissions 	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
78B	1000 bbl Raw Water Tank	TBD	N/A N/A	N/A N/A	Not a source of regulated emissions 	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
77	1000 bbl Firefighting Foam Tank	TBD	N/A N/A	N/A N/A	Not a source of regulated emissions 	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
70	100 bbl Lube Oil Tank	TBD	N/A N/A	N/A N/A	20.2.72.202.B.5 Units with PTE < 0.5 tpy	TBD TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced

Table 2-B: Insignificant Activities[1] (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 202.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.env.nm.gov/aqb/permit/aqb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at http://www.env.nm.gov/aqb/forms/InsignificantListTitleV.pdf . TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No. / Serial No.	Max Capacity / Capacity Units	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5) / Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Manufacture /Reconstruction[2] / Date of Installation /Construction[2]	For Each Piece of Equipment, Check Onc
71	100 bbl Lube Oil Tank	TBD	N/A	N/A	20.2.72.202.B.5	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A	Units with PTE < 0.5 tpy	TBD	
72	100 bbl Lube Oil Tank	TBD	N/A	N/A	20.2.72.202.B.5	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A	Units with PTE < 0.5 tpy	TBD	
41	Amine Makeup Tank	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	
39	Utility Water Tank	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	
40	Water Makeup Tank	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	
41	Utility Water Tank	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	
EREGCOMP1 - EREGCOMP3	Electric Regen Gas Compressors	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	
EREFCOMP1 - EREFCOMP3	Electric Refrigeration Gas Compressors	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	
ESTCOMP1 - ESTCOMP17	Electric Oil/Condensate Stabilizer Gas Compressors	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	
ERESCOMP1 - ERESCOMP5	Electric Residue Gas Compressors	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	
EIACOMP1 - EIACOMP5	Electric Instrument Air Compressors	TBD	N/A	N/A	Not a source of regulated emissions	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			N/A	N/A		TBD	

[1] Insignificant activities exempted due to size or production rate are defined in 20.2.70.300.D.6, 20.2.70.7.Q NMAC, and the NMED/AQB List of Insignificant Activities, dated September 15, 2008. Emissions from these insignificant activities do not need to be reported, unless specifically requested.

[2] Specify date(s) required to determine regulatory applicability.

Table 2-C: Emissions Control Equipment

Unit and stack numbering must correspond throughout the application package. Only list control equipment for TAPs if the TAP's maximum uncontrolled emissions rate is over its respective threshold as listed in 20.2.72 NMAC, Subpart V, Tables A and B. In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device regardless if the applicant takes credit for the reduction in emissions.

Control Equipment Unit No.	Control Equipment Description	Date Installed	Controlled Pollutant(s)	Controlling Emissions for Unit Number(s)[1]	Efficiency (% Control by Weight)	Method used to Estimate Efficiency
FL1	Flare 1	TBD	VOC, HAP	Plant Inlet & SSM Activities	98%	Mnf. Guarantee
FL2	Flare 2	TBD	VOC, HAP	Plant Inlet & SSM Activities	98%	Mnf. Guarantee
FL3	Flare 3	TBD	VOC, HAP	Plant Inlet & SSM Activities	98%	Mnf. Guarantee
ECD1	Combustor	TBD	VOC, HAP	OTK1-OTK7, PWTK1-PWTK2, OTL	99%	Mnf. Guarantee
TO1	Thermal Oxidizer	TBD	VOC, HAP	AU1	99%	Mnf. Guarantee
TO2	Thermal Oxidizer	TBD	VOC, HAP	AU2	99%	Mnf. Guarantee
TO3	Thermal Oxidizer	TBD	VOC, HAP	AU3	99%	Mnf. Guarantee
CAT1	Catalytic Reduction	TBD	CO, VOC, HAP	TUR1	VOC/HAP - 37%, HCOH - 63%; NOX -	Mnf. Guarantee
CAT2	Catalytic Reduction	TBD	CO, VOC, HAP	TUR2	VOC/HAP - 37%, HCOH - 63%; NOX - 83.7%	Mnf. Guarantee
CAT3	Catalytic Reduction	TBD	CO, VOC, HAP	TUR3	VOC/HAP - 37%, HCOH - 63%; NOX -	Mnf. Guarantee
CAT4	Catalytic Reduction	TBD	CO, VOC, HAP	TUR4	VOC/HAP - 37%, HCOH - 63%; NOX - 83.7%	Mnf. Guarantee

[1] List each control device on a separate line. For each control device, list all emission units controlled by the control device.

Table 2-H: Stack Exit Conditions

Unit and stack numbering must correspond throughout the application package. Include the stack exit conditions for each unit that emits from a stack, including blowdown venting parameters and tank emissions.

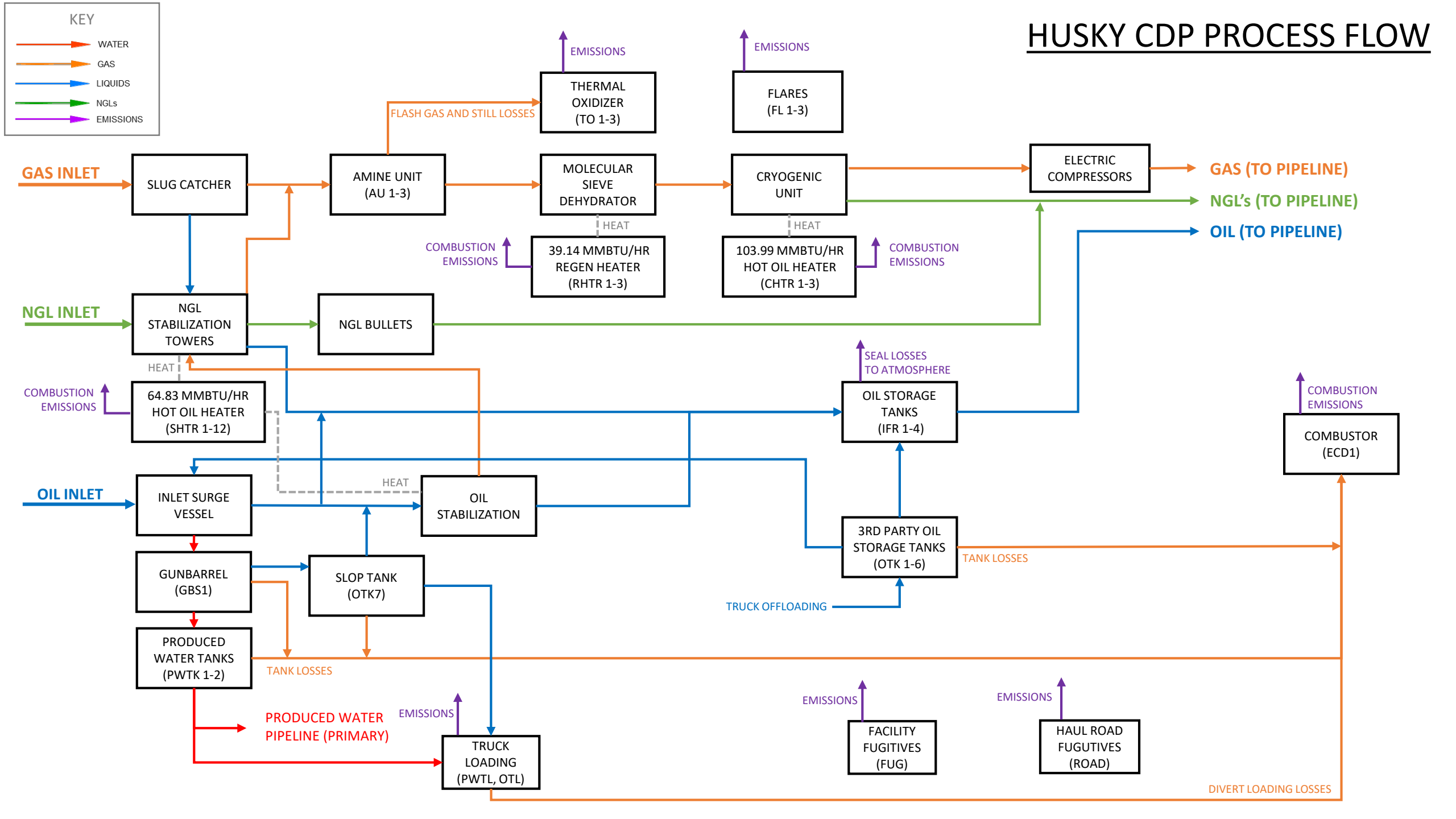
Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H-Horizontal V=Vertical)	Rain Caps (Yes or No)	Height Above Ground (ft)	Temp. (F)	Flow Rate		Moisture by Volume (%)	Velocity (ft/sec)	Inside Diameter (ft)
						(acfs)	(dscfs)			
SHTR1	SHTR1	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR2	SHTR2	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR3	SHTR3	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR4	SHTR4	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR5	SHTR5	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR6	SHTR6	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR7	SHTR7	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR8	SHTR8	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR9	SHTR9	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR10	SHTR10	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR11	SHTR11	V	No	33.0	488	485	NA	0	38.6	4.0
SHTR12	SHTR12	V	No	33.0	488	485	NA	0	38.6	4.0
CHTR1	CHTR1	V	No	76.9	599	902	NA	0	71.8	4.0
CHTR2	CHTR2	V	No	76.9	599	902	NA	0	71.8	4.0
CHTR3	CHTR3	V	No	76.9	599	902	NA	0	71.8	4.0
RHTR1	RHTR1	V	No	28.5	470	321	NA	0	57.5	2.7
RHTR2	RHTR2	V	No	28.5	470	321	NA	0	57.5	2.7
RHTR3	RHTR3	V	No	28.5	470	321	NA	0	57.5	2.7
FL1	FL1	V	No	170.0	1832	52	NA	0	65.6	0.2
FL2	FL2	V	No	170.0	1832	52	NA	0	65.6	0.2
FL3	FL3	V	No	170.0	1832	52	NA	0	65.6	0.2
ECD1	ECD1	V	No	40.0	1450	529	NA	0	39.5	8.4
TO1	TO1	V	No	57.0	1600	693.7	NA	0	51.9	4.1
TO2	TO2	V	No	57.0	1600	693.7	NA	0	51.9	4.1

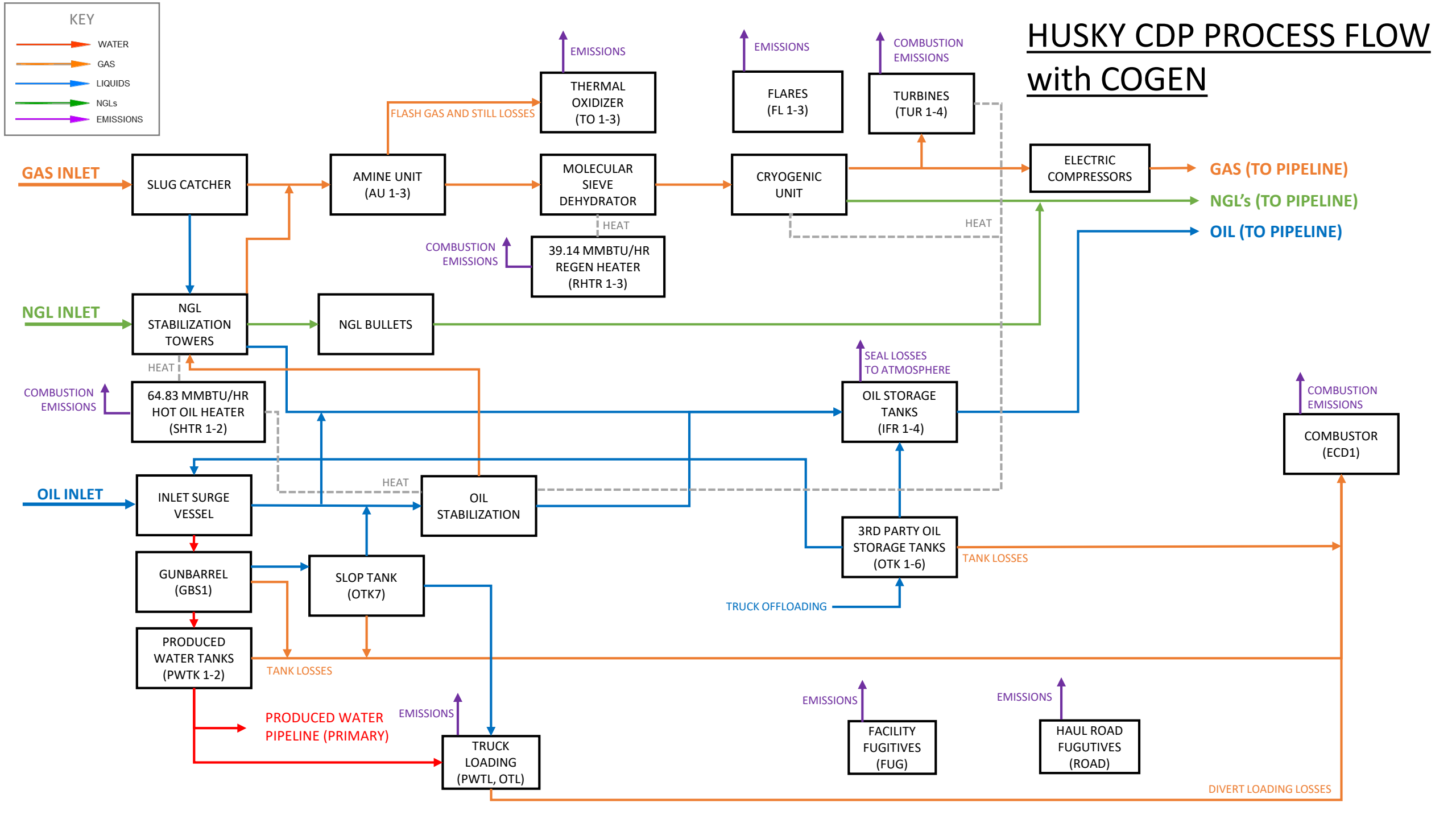
Table 2-H: Stack Exit Conditions

Unit and stack numbering must correspond throughout the application package. Include the stack exit conditions for each unit that emits from a stack, including blowdown venting parameters and tank emissions.

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H-Horizontal V=Vertical)	Rain Caps (Yes or No)	Height Above Ground (ft)	Temp. (F)	Flow Rate		Moisture by Volume (%)	Velocity (ft/sec)	Inside Diameter (ft)
						(acfs)	(dscfs)			
TO3	TO3	V	No	57.0	1600	693.7	NA	0	51.9	4.1
TUR1	TUR1	V	No	150.0	185	7700.7	NA	0	38.3	16.0
TUR2	TUR2	V	No	150.0	185	7700.7	NA	0	38.3	16.0
TUR3	TUR3	V	No	150.0	185	7700.7	NA	0	38.3	16.0
TUR4	TUR4	V	No	150.0	185	7700.7	NA	0	38.3	16.0
GEN1	GEN1	V	No	14.0	815.0	224.3	NA	0	285.5	1.0
GEN2	GEN2	V	No	14.0	815.0	224.3	NA	0	285.5	1.0
GEN3	GEN3	V	No	14.0	815.0	224.3	NA	0	285.5	1.0
GEN4	GEN4	V	No	14.0	815.0	224.3	NA	0	285.5	1.0
GEN5	GEN5	V	No	14.0	815.0	224.3	NA	0	285.5	1.0
GEN6	GEN6	V	No	14.0	815.0	224.3	NA	0	285.5	1.0
GEN7	GEN7	V	No	14.0	815.0	224.3	NA	0	285.5	1.0
GEN8	GEN8	V	No	14.0	815.0	224.3	NA	0	285.5	1.0

HUSKY CDP PROCESS FLOW




KEY
WATER
GAS
LIQUIDS
NGLs
EMISSIONS
HUSKY CDP PROCESS FLOW with COGEN
GAS INLET
SLUG CATCHER
AMINE UNIT (AU 1-3)
FLASH GAS AND STILL LOSSES
THERMAL OXIDIZER (TO 1-3)
EMISSIONS
MOLECULAR SIEVE DEHYDRATOR
HEAT
39.14 MMBTU/HR REGEN HEATER (RHTR 1-3)
COMBUSTION EMISSIONS
CRYOGENIC UNIT
FLARES (FL 1-3)
EMISSIONS
TURBINES (TUR 1-4)
COMBUSTION EMISSIONS
ELECTRIC COMPRESSORS
GAS (TO PIPELINE)
NGL's (TO PIPELINE)
OIL (TO PIPELINE)
HEAT
NGL INLET
NGL STABILIZATION TOWERS
NGL BULLETS
HEAT
COMBUSTION EMISSIONS
64.83 MMBTU/HR HOT OIL HEATER (SHTR 1-2)
SEAL LOSSES TO ATMOSPHERE
OIL STORAGE TANKS (IFR 1-4)
COMBUSTION EMISSIONS
COMBUSTOR (ECD1)
OIL INLET
INLET SURGE VESSEL
HEAT
OIL STABILIZATION
3RD PARTY OIL STORAGE TANKS (OTK 1-6)
TANK LOSSES
TRUCK OFFLOADING
GUNBARREL (GBS1)
SLOP TANK (OTK7)
PRODUCED WATER TANKS (PWTK 1-2)
TANK LOSSES
PRODUCED WATER PIPELINE (PRIMARY)
EMISSIONS
TRUCK LOADING (PWTL, OTL)
EMISSIONS
FACILITY FUGITIVES (FUG)
EMISSIONS
HAUL ROAD FUGUTIVES (ROAD)
DIVERT LOADING LOSSES

Section 10

Written Description of the Routine Operations of the Facility

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

The Husky Central Delivery Point (CDP) is a gas processing facility with oil and NGL stabilization. The facility will produce sales gas, Y-Grade NGL, and spec oil products. The Husky CDP will be built over multiple phases to reach a full processing capacity of 1.5 BCFD of Natural Gas, 200,000 BPD of Oil Stabilization and 190,000 BPD of NGL Stabilization. The overall facility will be designed to accommodate three (3) cryogenic (cryo) trains. In addition to the gas processing and CDP equipment, XTO Energy is planning the construction of four (4) Cogen turbines to provide power and auxiliary heat to the facility.

Natural Gas System
The Husky CDP gas handling system will be fed by natural gas gathering lines, delivering sweet natural gas to the facility. At the inlet of the facility, these pipelines will be routed to the inlet slug catcher where condensate is separated and routed to the NGL stabilizers to produce Y-Grade NGL product. Gas from the slug catcher will feed each of the three (3) cryo trains. Each cryo train will have a dedicated amine unit (AU1-AU3) to remove CO2 and a molecular sieve dehydration unit to remove water. The gas will first be treated using MDEA and piperizine in the amine unit to remove carbon dioxide from the gas streams. In the amine regeneration unit for each train, flash gas from the amine flash tank and amine still will be routed to a thermal oxidizer (TO1-TO3) to destroy hazardous air pollutants (HAPs) and volatile organic compounds (VOCs). In the molecular sieve dehydration units, molecular sieve beds are used as to dehydrate the treated gas. The units are not point sources of emissions and therefore not included in Table 2A. In this two-unit design, one unit operates in dehydration mode while the other operates in regeneration mode. Switching from dehydration to regeneration is done by use of automatic switching valves. As the dehydrated unit becomes saturated with water vapor, it is automatically switched to regeneration mode while the regeneration unit becomes active in dehydration mode. When the beds require regeneration due to saturation, a fired regeneration gas heater (RHTR1-RHTR3) with a maximum heat input rate of 39.14 MMBtu/hr will be used to remove water from the mol sieve beds. Following dehydration, the dry gas is cooled and expanded in the cryo units before being boosted by electric drive residue compressor engines into the sales gas pipeline.

NGL System
Natural gas liquids (NGLs) are gathered from surrounding compressor stations and piped into the facility. These pipelines will be combined with the condensate dropout from the slug catcher. This combined liquid stream will be processed through a two-tower condensate stabilization system to produce a "Y-Grade" NGL and a 9 RVP stabilized spec oil. From the first stabilization tower, the overhead gas will be compressed using electric drive compressor engine and sent to the cryo trains, whereas the liquids will be sent to the second tower to produce Y-Grade NGL. The Y-Grade liquids from the second tower will be stored in pressurized bullets and pumped to the NGL sales pipeline. Any gas from the second tower is routed to the cryo trains. Note that the NGLs from the cryo trains will also be pumped to and exported via the same pipeline. The stabilized oil from the second tower will be pumped to the internal floating roof oil storage tanks (IFR1-IFR4), where it is combined with on-spec oil, then routed to the oil sales pipeline. Heat for the stabilization process is provided by twelve (12) heaters, each with a maximum heat input rate of 64.83 MMBtu/hr (SHTR1-SHTR12).

Oil System
Oil from surrounding batteries will be routed through the oil inlet surge vessel, which provides initial phase separation of oil and water. Any free water dropout will be routed through a 1,000 bbl gunbarrel separator (GBS1). From GBS1, skimmed oil will be sent to the 500 bbl slop oil tank (OTK7) and the heavier water will be sent to 750 bbl produced water tanks (PWTK1-PWTK2). All tanks are gas blanketed. Slop oil will be pumped back to oil stabilization or trucked offsite. Produced water will be transported offsite via pipeline; however, XTO included produced water loading in the permit application.

Under normal circumstances, the oil received at the CDP is sent directly from the inlet surge vessel to IFR1-IFR4 for temporary storage before transporting the oil offsite via pipeline. If the incoming oil RVP does not meet sales specifications, it is sent to the oil stabilization process. Following stabilization, on-spec oil product will be sent to IFR1-IFR4. For flexibility, the

inlet oil may be blended with the oil stabilization product to create desired product. Flash gas from oil stabilization will be recompressed to liquid and routed to the NGL stabilizers.

In addition to receiving oil at the Husky CDP via pipeline, stabilized oil may also be received from third party operators via truck unloading. Husky is designed to process up to 8,000 BOPD of third party oil via truck unloading. Husky will have truck unloading terminals where the stabilized oil will be routed to OTK1-OTK6. Normal emissions for truck unloading are captured in the combustor by the off gas produced in OTK1-OTK6.

Hot Oil System
Closed-loop natural gas-fired heater hot oil systems will be used to provide process heat to the NGL and oil stabilization packages, as well as the amine and the cryo units. The systems will be packaged units with fired heating, expansion vessel, pumps, and filtration. All NGL stabilizers will be served by a common hot oil loop operating with a 500°F supply temperature. All oil stabilizer will be served by a common hot oil loop operating with a 400°F supply temperature. Supply to each oil/NGL stabilizer hot oil loop will be from 64.83 MMBtu/hr burner packages (SHTR1-SHTR12) and circulation pump skids, which can be set to run at either temperature. Each oil or condensate stabilization package has a nominal maximum duty requirement of 39.14 MMBtu/hr. Each Amine/Cryo train will have its own dedicated hot oil loop operating with a 350°F supply temperature, served by a 103.99 MMBtu/hr burner package (CHTR1-CHTR3) and pump skid with expansion vessel. During operation of Cogen, auxiliary heat for the hot oil system will be provided by the HRSGs on the turbines, not by the heaters. The number and type of heaters operating will depend upon the number of turbines operating,

Flare System
All automated vents and process reliefs will be routed to either the low pressure or high pressure headers for the dual-tip flare system, which consists of three dual-tip flares (FL1-FL3). The flares are permitted to manage pilot, purge, and process vessel SSM gas. Any gas that must be removed from the system during an emergency would also be routed to FL1-FL3. Gas may be routed to one or all of the flares at any given time.

Combustor
A combustor (ECD1) is used collect and dispose of vapors emitted from OTK1-OTK7, GBS1, and PWTK1-PWTK2. The combustor will also control vapors emitted during the loading of slop oil.

Turbines
The Cogen turbines (TUR1-TUR4), equipped with heat recovery steam generators (HRSGs), will be used to provide power to the Husky CDP and other XTO facilities. The HRSGs will replace supplemental heat from the stabilizer and cryo heaters for the Husky facility while in operation.

Emergency Generators
The emergency generators for the CDP portion of the plant (GEN1-GEN5) will be used to power safety-sensitive equipment in the event of grid power outages. The generators for the Cogen portion of the plant (GEN6-GEN8) will be used to black start the turbines in the event of grid power outages.

STATE REGU-LATIONS CITATION	**Title**	**Applies? Enter Yes or No**	**Unit(s) or Facility**	**JUSTIFICATION:** **(You may delete instructions or statements that do not apply in the justification column to shorten the document.)**
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Facility	20.2.3 NMAC is a SIP approved regulation that limits the maximum allowable concentration of Total Suspended Particulates, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide.
20.2.7 NMAC	Excess Emissions	Yes	Facility	
20.2.23 NMAC	Fugitive Dust Control	No	N/A	**20.2.23.108 APPLICABILITY:** **B.** The following fugitive dust sources are exempt from this part: **(3)** operations issued permits pursuant to the state of New Mexico Air Quality Control Act, Mining Act or Surface Mining Act; a
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	N/A	None of the equipment has a heat input greater than 1,000,000 million British Thermal Units per year per unit
20.2.34 NMAC	Oil Burning Equipment: NO_2	No	N/A	None of the equipment burns oil.
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	No	N/A	This regulation is not applicable because sulfur emissions from the plant are below the applicability thresholds established in the regulation.
20.2.37 and 20.2.36 NMAC	Petroleum Processing and Petroleum Refineries	N/A	N/A	These regulations were repealed as of 9/12/2016.
20.2.38 NMAC	Hydrocarbon Storage Facility	Yes	IFR1-4, OTK1-7	The tanks are subject to 109 and 112 due to throughput and storage capacity. Flares are used to comply. IFR1-IFR4 are each equipped with a floating roof while OTK1-OTK7 are controlled using a combustor.
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	This is not an affected facility.
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	SHTR1-12, CHTR1-3, RHTR1-3, FL1-3, ECD1, TO1-3, TUR1-4, GEN1-8	Engines, heaters, and turbines are Stationary Combustion Equipment
20.2.70 NMAC	Operating Permits	Yes	Facility	This site will be a Part 70 source.
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	This site will be a Part 70 source.
20.2.72 NMAC	Construction Permits	Yes	Facility	This permit application requests a Part 72 permit.
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	The site is subject to inventory reporting.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	Yes	Facility	Under both construction scenarios, this facility is a major PSD source since the potential to emit exceeds 100 tons per year (Petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels or Fossil fuel fired boilers totaling more than 250 MMBtu/hr).

STATE REGU-LATIONS CITATION	**Title**	**Applies? Enter Yes or No**	**Unit(s) or Facility**	**JUSTIFICATION:** **(You may delete instructions or statements that do not apply in the justification column to shorten the document.)**
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	A permit fee will be paid.
20.2.77 NMAC	New Source Performance	Yes	Units subject to 40 CFR 60	This is a stationary source subject to the requirements of 40 CFR Part 60.
20.2.78 NMAC	Emission Standards for HAPS	No	N/A	There are no affected sources.
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	The site is not located in a nonattainment area.
20.2.80 NMAC	Stack Heights	No	N/A	This regulation establishes requirements for the evaluation of stack heights and other dispersion techniques. This regulation does not apply as all stacks at the facility follow good engineering practice.
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	Units Subject to 40 CFR 63	This is a stationary source subject to the requirements of 40 CFR Part 63.

FEDERAL REGU-LATIONS CITATION	**Title**	**Applies? Enter Yes or No**	**Unit(s) or Facility**	**JUSTIFICATION:**
40 CFR 50	NAAQS	Yes	Facility	This regulation defines national ambient air quality standards. The facility meets all applicable national ambient air quality standards for NOx, CO, SO_2, H_2S, PM_{10}, and $PM_{2.5}$ under this regulation.
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	Units subject to 40 CFR 60	See discussion of 40 CFR 60 Subparts below.
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for **Electric Utility Steam Units**	No	N/A	Emissions from the HRSG duct burners are subject to 40 CFR 60 Subpart KKKK and therefore are exempt from the requirements of Subpart Da.
NSPS 40 CFR60.40b Subpart Db	**Electric Utility Steam Generating Units**	Yes	CHTR1-3	CHTR1-CHTR3 have an input rating greater than 100 MMBtu/hr and are subject per §60.40b(a). They are exempt from SO2 standards per §60.40b(k)(2). The heater emission rate of 0.0334 lb/MMBtu meets the 60.44b(a) standard for 0.1 lb/MMBtu. There are no PM standards for units burning natural gas. Emissions from the HRSG duct burners are subject to 40 CFR 60 Subpart KKKK and therefore are exempt from the requirements of Subpart Db.
40 CFR 60.40c, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Yes	SHTR1-12, RHTR1-3	The heaters have an input rating greater than 10 MMBtu/hr and are subject per §60.40c(a). Since the units burn only natural gas, there are no applicable control, monitoring, or reporting requirements. Fuel use records are required per §60.48c(g).

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
NSPS 40 CFR 60, Subpart Ka	**Petroleum Liquids** After May 18, 1978, and **Prior** to July 23, 1984	No	N/A	The hydrocarbons are stored prior to custody transfer.
NSPS 40 CFR 60, Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels After July 23, 1984	Yes	IFR1-IFR4	The hydrocarbons are stored prior to custody transfer but the storage volume is equal to 1,589,875 m3 so the exemption in §60.110b(d) no longer applies. The tanks use internal floating roof tanks to comply with the control requirements.
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	No	N/A	The turbines are subject to NSPS KKKK and are exempt from NSPS GG per §60.4305(b).
NSPS 40 CFR 60, Subpart KKK	Leaks of VOC from Onshore Gas Plants	No	N/A	The site will be constructed after 8/23/2011.
NSPS 40 CFR Part 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO_2 Emissions	No	N/A	The site will be constructed after 8/23/2011.
NSPS 40 CFR 60, Subparts WWW, XXX, Cc, and Cf	Standards of performance for Municipal Solid Waste (MSW) Landfills	No	N/A	This is not a MSW landfill.
NSPS 40 CFR 60, Subpart KKKK	Stationary Gas Turbines	Yes	TUR1-TUR4	TUR1-TUR4 are stationary combustion turbines with a heat input at peak load greater than 10 MMBtu/hr (HHV) and commenced construction after February 18, 2005. The units are subject to NSPS KKKK per §60.4305(a). The HRSG duct burners are also subject to the provisions of NSPS KKKK.
NSPS 40 CFR Part 60 Subpart OOOO	Oil and Natural Gas after August 23, 2011 and before September 18, 2015	No	N/A	The site will be constructed after 9/18/15. See NSPS OOOOa discussion below.
NSPS 40 CFR Part 60 Subpart OOOOa	Oil and Natural Gas After September 18, 2015	Yes	FUG, ESTCO MP1-17, EIACO MP1-5, CRYO1-3, MOL1-3	The electric drive centrifugal compressors for residue gas and regen gas are exempt from §60.5365a(b) since they all use dry seals. The electric drive screw compressors for the refrigeration gas are exempt from the definition of centrifugal compressor per §60.5430a. The reciprocating compressors used for stabilization gas and instrument air are subject to rule per from §60.5365a(c). The storage tanks were constructed after the applicability date of the rule; however, since emissions will be limited by permit to less than 6 tpy, the tanks are exempt per §60.5365a(e). The site uses compressed air for pneumatic controllers. The site will be subject to leak monitoring from fugitive components per §60.5365a(f). Since the sweetening units process less than 2 lt/d of sulfur, they are exempt for §60.5365a(g).
NSPS 40 CFR 60 Subpart IIII	Stationary Compression Ignition Engines	No	N/A	The facility does not operate any affected sources.
NSPS 40 CFR Part 60 Subpart JJJJ	Stationary Spark Ignition Internal Combustion Engines	No	N/A	The facility does not operate any affected sources.
NSPS 40 CFR 60 Subpart TTTT	Greenhouse Gas Emissions for Electric Generating Units	No	N/A	The turbines are exempt since they meet only one of the applicability criteria of §60.5509(a). Power will not be sold to a utility distribution system.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
NSPS 40 CFR 60 Subpart UUUU	GHG Emissions and Compliance Times for EGUs	No	N/A	Per §60.5710a, this subpart applies to Governors of States with one or more designated facilities.
NESHAP 40 CFR 61 Subpart A	General Provisions	No	N/A	There are no affected sources.
NESHAP 40 CFR 61 Subpart E	National Emission Standards for **Mercury**	No	N/A	This facility does not process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, and incinerate or dry wastewater treatment plant sludge.
NESHAP 40 CFR 61 Subpart V	National Emission Standards for **Equipment Leaks**	No	N/A	The facility does not have equipment that operates in volatile hazardous air pollutant (VHAP) service [40 CFR Part 61.240].
MACT 40 CFR 63, Subpart A	General Provisions	Yes	Units Subject to 40 CFR 63	See discussion of 40 CFR 63 Subparts below.
MACT 40 CFR 63.760 Subpart HH	Oil and Natural Gas Production Facilities	No	N/A	As a major source of HAP, sources potentially subject to HH include storage vessels with flash emissions, fugitive components, and compressors in VHAP service ((see §63.760(b)(1)(ii), (iii), and (iv)). Fugitives and compressors are exempt per §63.769(b) since they are subject to NSPS OOOO. Storage vessels use a closed vent system connected to a combustor to comply with §63.766(b).
MACT 40 CFR 63 Subpart HHH	Natural Gas Transmission and Storage Facilities	No	N/A	This regulation does not apply as the plant is not a natural gas transmission and storage facility as defined by the subpart (§63.1270(a)).
40 CFR 63 Subpart DDDDD	Boilers & Process Heaters	Yes	SHTR1-12, RHTR1-3, CHTR1-3	Per §63.7500(e), boilers and heaters designed to burn gas 1 fuels must comply with work practice standards in Table 3 and does not have emission or operating limits.
MACT 40 CFR 63 Subpart UUUUU	Coal & Oil Fire Electric Utility Steam Generating Unit	No	N/A	There are no affected sources.
MACT 40 CFR 63 Subpart YYYY	Turbine MACT	Yes	TUR1-4	The turbines are subject to Subpart YYYY rule per §63.6085. Formaldehyde emissions are less than 91 ppb. See the Cogeneration Turbines VOC and HAP Emissions Summary (p. 87 of PDF application).
MACT 40 CFR 63 Subpart ZZZZ	RICE MACT	No	N/A	There are no affected sources.
MACT 40 CFR 63 Subpart JJJJJJ	Boilers and Process Heaters	No	N/A	The units are exempt per §63.1195(e) since they burn natural gas.
40 CFR 64	CAM	Yes	TUR1-4, AU1-3, OTK1-6	These sources will be subject to CAM and will be addressed during the Title V permitting process.
40 CFR 68	Accident Prevention	No	N/A	The facility will not store more than the regulated quantity of regulated substances.
Acid Rain 40 CFR 72	Acid Rain	No	N/A	The facility does not generate commercial electric power.
Acid Rain 40 CFR 73	Sulfur Dioxide Allowance	No	N/A	The facility does not generate commercial electric power.
Acid Rain 40 CFR 75	CEMS	No	N/A	The facility does not generate commercial electric power
Acid Rain 40 CFR 76	Acid Rain	No	N/A	The facility does not generate commercial electric power.

FEDERAL REGU-LATIONS CITATION	Title	Applies? Enter Yes or No	Unit(s) or Facility	JUSTIFICATION:
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	No	N/A	The regulation is not applicable per §40 CFR Part 82.1(a) because the facility does not service, maintain or repair class I or class II appliances.