

Table 2-A: Regulated Emission Sources

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	Controlled by Unit #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB) ⁴	Replacing Unit No.
							Date of Construction/Reconstruction ²	Emissions vented to Stack #				
HT-102	Plant 2 - Mole Sieve Heater	Heat Recovery Corp	N/A	N/A	9.74 MMBtu/hr	9.74 MMBtu/hr	2016	N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
HT-103	Plant 3 - Mole Sieve Heater	Heat Recovery Corp	N/A	N/A	9.74 MMBtu/hr	9.74 MMBtu/hr	2019	N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
HT-802	Plant 3 - Stabilizer Heater	Heat Recovery Corp	N/A	N/A	6.2 MMBtu/hr	6.2 MMBtu/hr	2019	N/A	31000228	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
TO-1	Plant 2 - Thermal Oxidizer	Zeeco	N/A	N/A	9.9 MMBtu/hr	9.9 MMBtu/hr	2018	N/A	40400312	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
TO-2	Plant 3 - Thermal Oxidizer	Zeeco	N/A	N/A	9.9 Mmbtu/hr	9.9 MMBtu/hr	2018	N/A	40400315	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
FL-1	Plant 1 - Flare SSM/M	Zeeco	N/A	N/A	85 MMBtu/hr	4.3 MMBtu/hr	2016	N/A	30600904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
FL-2a/b	Plant 2 - Dehy -1 / Plant 2 - SSM/M	Zeeco	N/A	N/A	85 MMBtu/hr	22.33 MMBtu/hr	2016	N/A	30600904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
FL-3	Plant 3 - SSM/M	Zeeco	N/A	N/A	85 MMBtu/hr	18.5 MMBtu/hr	2019	N/A	30600904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
VCU-1/ VCU-1 SSM	Vapor Combustion Unit	Kimark Inc	N/A	N/A	7.11 MMBtu/hr	7.11 MMBtu/hr	2016	N/A	30600904	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
TK-702 A-F	Condensate Tanks	N/A	N/A	N/A	500 bbl each	500 bbl each	2016	VCU-1	40400312	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
TK 701	Produced Water Tank	N/A	N/A	N/A	500 bbl each	500 bbl each	2016	VCU-1	40400315	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
TL-1	Condensate Tanks Truck Loading	N/A	N/A	N/A	N/A	N/A	2016	N/A	40600132	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
TL-2	Produced Water Tanks Truck Loading	N/A	N/A	N/A	N/A	N/A	2016	N/A	40600132	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
FUG	Fugitives	N/A	N/A	N/A	500 bbl each	500 bbl each	2016	N/A	31088811	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
CRYO-1	Cryo Unit -1	N/A	N/A	N/A	60 MMSCFD	60 MMSCFD	2016	N/A	31000299	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
CRYO-2	Cryo Unit -2	N/A	N/A	N/A	200 MMSCFD	200 MMSCFD	2017	N/A	31000299	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		
CRYO-3	Cryo Unit -2	N/A	N/A	N/A	200 MMSCFD	200 MMSCFD	2019	N/A	31000299	<input checked="" type="checkbox"/> Existing (unchanged) <input type="checkbox"/> To be Removed <input type="checkbox"/> New/Additional <input type="checkbox"/> Replacement Unit <input type="checkbox"/> To Be Modified <input type="checkbox"/> To be Replaced		

¹ Unit numbers must correspond to unit numbers in the previous permit unless a complete cross reference table of all units in both permits 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-D: Maximum Emissions (under normal operating conditions)

☐ This Table was intentionally left blank because it would be identical to Table 2-E.

Maximum Emissions are the emissions at maximum capacity and prior to (in the absence of) pollution control, emission-reducing process equipment, or any other emission reduction. Calculate the hourly emissions using the worst case hourly emissions for each pollutant. For each pollutant, calculate the annual emissions as if the facility were operating at maximum plant capacity without pollution controls for 8760 hours per year, unless otherwise approved by the Department. List Hazardous Air Pollutants (HAP) & Toxic Air Pollutants (TAPs) in Table 2-I. Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "--" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM ¹		PM10 ¹		PM2.5 ¹		H ₂ S		Lead	
	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	lb/hr	ton/yr	lb/hr	ton/yr
ENG-1	82.34	360.66	49.11	215.09	5.75	25.21	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-2	82.34	360.66	49.11	215.09	5.75	25.21	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-3	82.34	360.66	49.11	215.09	5.75	25.21	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
ENG-4	82.34	360.66	49.11	215.09	5.75	25.21	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-
HT-101	0.69	3.01	0.58	2.53	0.04	0.17	0.00	0.02	0.05	0.23	0.05	0.23	0.04	0.17	-	-	-	-
HT-801	0.69	3.00	0.58	2.52	0.04	0.17	0.00	0.02	0.05	0.23	0.05	0.23	0.04	0.17	-	-	-	-
HT-102	0.96	4.20	0.80	3.52	0.05	0.23	0.01	0.03	0.07	0.32	0.07	0.32	0.04	0.17	-	-	-	-
AR-1	2.07	9.08	1.74	7.63	0.11	0.50	0.01	0.05	0.16	0.69	0.16	0.69	0.04	0.17	-	-	-	-
DR-1	0.29	1.25	0.24	1.05	0.02	0.07	0.00	0.01	0.02	0.09	0.02	0.09	0.04	0.17	-	-	-	-
HT-103	0.96	4.20	0.80	3.52	0.05	0.23	0.01	0.03	0.07	0.32	0.07	0.32	0.04	0.17	-	-	-	-
HT-802	0.61	2.67	0.51	2.24	0.03	0.15	0.00	0.02	0.05	0.20	0.05	0.20	0.04	0.17	-	-	-	-
AR-2	2.35	10.30	1.98	8.66	0.13	0.57	0.01	0.06	0.18	0.78	0.18	0.78	0.04	0.17	-	-	-	-
DR-2	0.25	1.08	0.21	0.90	0.01	0.06	0.00	0.01	0.02	0.08	0.02	0.08	0.04	0.17	-	-	-	-
Dehy-1	-	-	-	-	143.87	630.14	-	-	-	-	-	-	-	-	0.00022	0.0010	-	-
AM-1	-	-	-	-	3.61	15.80	-	-	-	-	-	-	-	-	5.59	24.48	-	-
Dehy-2	-	-	-	-	136.77	599.04	-	-	-	-	-	-	-	-	0.00021	0.00092	-	-
AM-2	-	-	-	-	4.16	18.23	-	-	-	-	-	-	-	-	4.43	19.42	-	-
TO-1	No emissions from these unit in an uncontrolled scenario																	
TO-2	No emissions from these unit in an uncontrolled scenario																	
TO-1 SSM	No emissions from these unit in an uncontrolled scenario																	
TO-2 SSM	No emissions from these unit in an uncontrolled scenario																	
FL-1	No emissions from these unit in an uncontrolled scenario																	
FL-2a	No emissions from these unit in an uncontrolled scenario																	
FL-2b	No emissions from these unit in an uncontrolled scenario																	
FL-3	No emissions from these unit in an uncontrolled scenario																	
VCU-1	No emissions from these unit in an uncontrolled scenario																	
VCU-1 SSM	No emissions from these unit in an uncontrolled scenario																	
TK-702A-F	-	-	-	-	443.10	1940.78	-	-	-	-	-	-	-	-	0.000	0.000	-	-
TK-701	-	-	-	-	0.27	1.18	-	-	-	-	-	-	-	-	0.000	0.000	-	-
TL-1	-	-	-	-	115.92	5.62	-	-	-	-	-	-	-	-	0.000	0.000	-	-
TL-2	-	-	-	-	77.462	0.080	-	-	-	-	-	-	-	-	0.000	0.000	-	-
FUG	-	-	-	-	7.434	32.560	-	-	-	-	-	-	-	-	0.038	0.165	-	-
Totals	338.23	1481.43	203.87	892.94	956.09	3346.38	0.95	4.14	1.31	5.75	1.31	5.75	0.99	4.34	10.09	44.18		

¹Condensable Particulate Matter: Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but PM is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "--" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E⁻⁴).

Unit No.	NO _x		CO		VOC		SO _x		PM ¹		PM10 ¹		PM2.5 ¹		H ₂ S		Lead		
	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	lb/hr	ton/yr	lb/hr	ton/yr	
ENG-1	3.10	13.58	6.20	27.16	3.89	17.06	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-	
ENG-2	3.10	13.58	6.20	27.16	3.89	17.06	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-	
ENG-3	3.10	13.58	6.20	27.16	3.89	17.06	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-	
ENG-4	3.10	13.58	6.20	27.16	3.89	17.06	0.22	0.98	0.16	0.70	0.16	0.70	0.16	0.70	0.0063	0.027	-	-	
HT-101	0.69	3.01	0.58	2.53	0.04	0.17	0.00	0.02	0.05	0.23	0.05	0.23	0.04	0.17	-	-	-	-	
HT-801	0.69	3.00	0.58	2.52	0.04	0.17	0.00	0.02	0.05	0.23	0.05	0.23	0.04	0.17	-	-	-	-	
HT-102	0.96	4.20	0.80	3.52	0.05	0.23	0.01	0.03	0.07	0.32	0.07	0.32	0.04	0.17	-	-	-	-	
AR-1	2.07	9.08	1.74	7.63	0.11	0.50	0.01	0.05	0.16	0.69	0.16	0.69	0.04	0.17	-	-	-	-	
DR-1	0.29	1.25	0.24	1.05	0.02	0.07	0.00	0.01	0.02	0.09	0.02	0.09	0.04	0.17	-	-	-	-	
HT-103	0.96	4.20	0.80	3.52	0.05	0.23	0.01	0.03	0.07	0.32	0.07	0.32	0.04	0.17	-	-	-	-	
HT-802	0.61	2.67	0.51	2.24	0.03	0.15	0.00	0.02	0.05	0.20	0.05	0.20	0.04	0.17	-	-	-	-	
AR-2	2.35	10.30	1.98	8.66	0.13	0.57	0.01	0.06	0.18	0.78	0.18	0.78	0.04	0.17	-	-	-	-	
DR-2	0.25	1.08	0.21	0.90	0.01	0.06	0.00	0.01	0.02	0.08	0.02	0.08	0.04	0.17	-	-	-	-	
Dehy-1	Emissions are controlled by flare, FL-2. Emissions are represented under FL-2a.																		
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	1.73	7.79	1.61	7.22	0.057	0.25	10.51	46.03	0.81	3.55	0.81	3.55	0.61	2.66	0.11	0.50	-	-	
TO-2	2.71	11.88	2.52	11.03	2.52	11.03	8.34	36.52	0.72	3.15	0.72	3.15	0.54	2.36	0.090	0.39	-	-	
FL-1 ²	0.04	0.16	0.03	0.13	0.002	0.01	0.00	0.00	-	-	-	-	-	-	0.00	0.00	-	-	
FL-2a	0.54	2.37	1.02	4.48	2.57	11.27	0.00	0.00	-	-	-	-	-	-	0.000	0.00	-	-	
FL-3 ²	0.04	0.16	0.03	0.13	0.002	0.01	0.00	0.00	-	-	-	-	-	-	0.00	0.00	-	-	
VCU-1	1.45	6.37	2.90	12.71	8.87	38.84	0.00001	0.00003	0.03	0.12	0.03	0.12	0.02	0.09	0.000004	0.00002	-	-	
TK-702A-F	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VUC-1.																	-	-
TK-701	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VUC-1.																	-	-
TL-1	-	-	-	-	115.92	5.62	-	-	-	-	-	-	-	-	0.000	0.000	-	-	
TL-2	-	-	-	-	77.46	0.080	-	-	-	-	-	-	-	-	0.000	0.000	-	-	
FUG	-	-	-	-	7.43	32.56	-	-	-	-	-	-	-	-	0.04	0.16	-	-	
Totals	27.77	121.84	40.35	176.92	230.90	170.03	19.80	86.70	2.87	12.57	2.87	12.57	2.16	9.46	0.27	1.17	-	-	

¹ **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

² Pilot and sweep gas only

Table 2-F: Additional Emissions during Startup, Shutdown, and Routine Maintenance (SSM)

□ This table is intentionally left blank since all emissions at this facility due to routine or predictable startup, shutdown, or scheduled maintenance are no higher than those listed in Table 2-E and a malfunction emission limit is not already permitted or requested. If you are required to report GHG emissions as described in Section 6a, include any GHG emissions during Startup, Shutdown, and/or Scheduled Maintenance (SSM) in Table 2-P. Provide an explanations of SSM emissions in Section 6 and 6a.

All applications for facilities that have emissions during routine our predictable startup, shutdown or scheduled maintenance (SSM)¹, including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.env.nm.gov/aqb/permit/aqb_pol.html) for more detailed instructions. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM ²		PM10 ²		PM2.5 ²		H ₂ S		Lead	
	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	lb/hr	ton/yr	lb/hr	ton/yr
TO-1 SSM	-	-	-	-	3.61	0.32	-	-	-	-	-	-	-	-	5.59	0.4897	-	-
TO-2 SSM	-	-	-	-	136.77	11.98	-	-	-	-	-	-	-	-	0.00021	0.00002	-	-
FL-1	177.55	2.43	354.45	4.86	160.24	2.20	1.05	0.01	-	-	-	-	-	-	0.01	0.0002	-	-
FL-2b	339.20	11.04	677.18	22.04	306.61	10.38	2.01	0.08	-	-	-	-	-	-	0.02	0.0008	-	-
FL-3	339.23	10.98	677.23	21.92	306.46	10.18	10.35	0.80	-	-	-	-	-	-	0.11	0.01	-	-
VCU-1 SSM	-	-	-	-	443.37	38.84	-	-	-	-	-	-	-	-	0.00	0.0000	-	-
Totals	855.98	24.45	1708.86	48.82	1357.06	73.90	13.41	0.89	0.00	0.00	0.00	0.00	0.00	0.00	5.73	0.50	-	-

¹ For instance, if the short term steady-state Table 2-E emissions are 5 lb/hr and the SSM rate is 12 lb/hr, enter 7 lb/hr in this table. If the annual steady-state Table 2-E emissions are 21.9 TPY, and the number of scheduled SSM events result in annual emissions of 31.9 TPY, enter 10.0 TPY in the table below.

² **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

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. If the facility has multiple operating scenarios, complete a separate Table 2-H for each scenario and, for each, type scenario name here:

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)			
ENG-1	ENG-1	V	No	26.00	1085.00	136.50	N/A	N/A	102.9	1.30
ENG-2	ENG-2	V	No	26.00	1085.00	136.50	N/A	N/A	102.9	1.30
ENG-3	ENG-3	V	No	26.00	1085.00	136.50	N/A	N/A	102.9	1.30
ENG-4	ENG-4	V	No	26.00	1085.00	136.50	N/A	N/A	102.9	1.30
HT-101	HT-101	V	No	33.00	624.00	48.11	N/A	N/A	23.1	1.63
HT-801	HT-801	V	No	33.00	624.00	48.04	N/A	N/A	23.00	1.63
HT-102	HT-102	V	No	50.67	624.00	67.13	N/A	N/A	14.4	2.44
AR-1	AR-1	V	No	33.83	624.00	145.37	N/A	N/A	40.4	2.14
DR-1	DR-1	V	No	25.00	624.00	19.99	N/A	N/A	6.4	2
HT-103	HT-103	V	No	49.92	624.00	67.13	N/A	N/A	14.4	2.44
HT-802	HT-802	V	No	42.40	624.00	42.73	N/A	N/A	14.2	1.96
AR-2	AR-2	V	No	32.25	624.00	164.87	N/A	N/A	37.1	2.38
DR-2	DR-2	V	No	25.79	624.00	17.23	N/A	N/A	13	1.3
TO-1	TO-1	V	No	42.50	1500.00	15968.28	N/A	N/A	7	6.96
TO-2	TO-2	V	No	61.17	1500.00	13739.08	N/A	N/A	13	2.46
FL-1	FL-1	V	No	76.83	1832.00	291.77	N/A	N/A	65.62	27.5797
FL-2a	FL-2a	V	No	90.75	1832.00	0.54	N/A	N/A	65.62	1.4657
FL-2b	FL-2b	V	No	90.75	1832.00	557.07	N/A	N/A	65.62	38.0118
FL-3	FL-3	V	No	55.00	1832.00	557.08	N/A	N/A	65.62	38.0576
VCU-1	VCU-1	V	No	33.17	1400.00	0.66	N/A	N/A	3.83	5.33
TL-1	TL-1	V	No	12.00	75.87	0.98	N/A	N/A	0.00328	0.25
TL-2	TL-2	V	No	12.00	75.87	0.0006	N/A	N/A	0.00328	0.25

Table 2-I: Stack Exit and Fugitive Emission Rates for HAPs and TAPs

In the table below, report the Potential to Emit for each HAP from each regulated emission unit listed in Table 2-A, only if the entire facility emits the HAP at a rate greater than or equal to one (1) ton per year. For each such emission unit, HAPs shall be reported to the nearest 0.1 tpy. Each facility-wide Individual HAP total and the facility-wide Total HAPs shall be the sum of all HAP sources calculated to the nearest 0.1 ton per year. Per 20.2.72.403.A.1 NMAC, facilities not exempt [see 20.2.72.402.C NMAC] from TAP permitting shall report each TAP that has an uncontrolled emission rate in excess of its pounds per hour screening level specified in 20.2.72.502 NMAC. TAPs shall be reported using one more significant figure than the number of significant figures shown in the pound per hour threshold corresponding to the substance. Use the HAP nomenclature as it appears in Section 112 (b) of the 1990 CAAA and the TAP nomenclature as it listed in 20.2.72.502 NMAC. Include tank-flashing emissions estimates of HAPs in this table. For each HAP or TAP listed, fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected or the pollutant is emitted in a quantity less than the threshold amounts described above.

Stack No.	Unit No.(s)	Total HAPs		Formaldehyde □ HAP or □ TAP		Benzene □ HAP or □ TAP		Toulene □ HAP or □ TAP		Acetaldehyde □ HAP or □ TAP		Acrolein □ HAP or □ TAP		Xylene □ HAP or □ TAP		Provide Pollutant Name Here □ HAP or □ TAP		Provide Pollutant Name Here □ 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	lb/hr	ton/yr	lb/hr	ton/yr	
ENG-1	ENG-1	1.03	4.49	0.79	3.48	0.01	0.03	0.01	0.03	0.13	0.58	0.08	0.36	0.003	0.01					
ENG-2	ENG-2	1.03	4.49	0.79	3.48	0.01	0.03	0.01	0.03	0.13	0.58	0.08	0.36	0.003	0.01					
ENG-3	ENG-3	1.03	4.49	0.79	3.48	0.01	0.03	0.01	0.03	0.13	0.58	0.08	0.36	0.003	0.01					
ENG-4	ENG-4	1.03	4.49	0.79	3.48	0.01	0.03	0.01	0.03	0.13	0.58	0.08	0.36	0.003	0.01					
HT-101	HT-101	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
HT-801	HT-801	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
HT-102	HT-102	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
AR-1	AR-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
DR-1	DR-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
HT-103	HT-103	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
HT-802	HT-802	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
AR-2	AR-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
DR-2	DR-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Dehy-1	Dehy-1	Emissions are controlled by flare, FL-2. Emissions are represented under FL-2a.																		
AM-1	AM-1	Emissions are controlled by thermal oxidizer, TO-1. Emissions are represented under TO-1.																		
Dehy-2	Dehy-2	Emissions are controlled by thermal oxidizer, TO-2. Emissions are represented under TO-2.																		
AM-2	AM-2	Emissions are controlled by thermal oxidizer, TO-2. Emissions are represented under TO-2.																		
TO-1	TO-1	0.02	0.00	-	-	0.02	0.00	-	-	-	-	-	-	-	-					
TO-2	TO-2	0.43	1.74	-	-	0.43	1.74	-	-	-	-	-	-	-	-					
TO-1 SSM	TO-1 SSM	1.10	0.10	-	-	1.10	0.10	-	-	-	-	-	-	-	-					
TO-2 SSM	TO-2 SSM	19.85	1.74	-	-	19.85	1.74	-	-	-	-	-	-	-	-					
FL-1	FL-1	0.26	0.00	-	-	0.26	0.00	-	-	-	-	-	-	-	-					
FL-2a	FL-2a	0.37	0.00	-	-	0.37	0.00	-	-	-	-	-	-	-	-					
FL-2b	FL-2b	0.49	0.02	-	-	0.49	0.02	-	-	-	-	-	-	-	-					
FL-3	FL-3	0.52	0.02	-	-	0.52	0.02	-	-	-	-	-	-	-	-					
VCU-1	VCU-1	0.05	0.01	-	-	0.05	0.01	-	-	-	-	-	-	-	-					

Stack No.	Unit No.(s)	Total HAPs		Formaldehyde <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Benzene <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Toulene <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Acetaldehyde <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Acrolein <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Xylene <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> TAP		Provide Pollutant Name Here <input type="checkbox"/> HAP or <input type="checkbox"/> 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	lb/hr	ton/yr	lb/hr	ton/yr
VCU-1 SSM	VCU-1 SSM	2.58	0.23	-	-	2.58	0.23	-	-	-	-	-	-	-	-				
TK-702A-F	TK-702A-F	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VUC-1.																	
TK-701	TK-701	Emissions are controlled by Vapor Combustion Unit, VCU-1. Emissions are represented under VUC-1.																	
TL-1	TL-1	0.66	0.03	-	-	0.66	0.03	-	-	-	-	-	-	-	-				
TL-2	TL-2	23.08	0.02	-	-	23.08	0.02	-	-	-	-	-	-	-	-				
FUG	FUG	0.01	0.05	-	-	-	-	-	-	-	-	-	-	-	-				
Totals:		53.52	21.92	3.18	13.92	49.43	4.02	0.03	0.11	0.53	2.33	0.33	1.43	0.01	0.05				

Table 2-J: Fuel

Specify fuel characteristics and usage. Unit and stack numbering must correspond throughout the application package.

Unit No.	Fuel Type (low sulfur Diesel, ultra low sulfur diesel, Natural Gas, Coal, ...)	Fuel Source: purchased commercial, pipeline quality natural gas, residue gas, raw/field natural gas, process gas (e.g. SRU tail gas) or other	Specify Units				
			Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
ENG-1	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	15.629 Mscf/hr	136.94 MMscf/yr	N/A	N/A
ENG-2	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	15.629 Mscf/hr	136.94 MMscf/yr	N/A	N/A
ENG-3	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	15.629 Mscf/hr	136.94 MMscf/yr	N/A	N/A
ENG-4	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	15.629 Mscf/hr	136.94 MMscf/yr	N/A	N/A
HT-101	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	6.86 Mscf/hr	2.51 MMscf/yr	N/A	N/A
HT-801	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	6.85 Mscf/hr	2.50 MMscf/yr	N/A	N/A
HT-102	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	9.58 Mscf/hr	3.50 MMscf/yr	N/A	N/A
AR-1	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	20.74 Mscf/hr	7.57 MMscf/yr	N/A	N/A
DR-1	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	2.85 Mscf/hr	1.04 MMscf/yr	N/A	N/A
HT-103	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	9.58 Mscf/hr	3.5 MMscf/yr	N/A	N/A
HT-802	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	6.10 Mscf/hr	2.23 MMscf/yr	N/A	N/A
AR-2	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	23.52 Mscf/hr	8.59 MMscf/yr	N/A	N/A
DR-2	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	2.46 Mscf/hr	0.90 MMscf/yr	N/A	N/A
TO-1	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	0.47 Mscf/hr	4.12 MMscf/yr	N/A	N/A
TO-2	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	0.47 Mscf/hr	4.12 MMscf/yr	N/A	N/A
FL-1	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	0.36 Mscf/hr	3.15 MMscf/yr	N/A	N/A
FL-2a/b	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	0.51 Mscf/hr	4.47 MMscf/yr	N/A	N/A
FL-3	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	0.36 Mscf/hr	3.15 MMscf/yr	N/A	N/A
VCU-1	Natural Gas	Pipeline Quality Natural Gas	1016.8 Btu/Scf	0.012 Mscf/hr	0.11 MMscf/yr	N/A	N/A

Table 2-K: Liquid Data for Tanks Listed in Table 2-L

For each tank, list the liquid(s) to be stored in each tank. If it is expected that a tank may store a variety of hydrocarbon liquids, enter "mixed hydrocarbons" in the Composition column for that tank and enter the corresponding data of the most volatile liquid to be stored in the tank. If tank is to be used for storage of different materials, list all the materials in the "All Calculations" attachment, run the newest version of TANKS on each, and use the material with the highest emission rate to determine maximum uncontrolled and requested allowable emissions rate. The permit will specify the most volatile category of liquids that may be stored in each tank. Include appropriate tank-flashing modeling input data. Use additional sheets if necessary. Unit and stack numbering must correspond throughout the application package.

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb*mol)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)
TK-702-A	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	75.87	12.88	100	20.3591
TK-702-B	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	75.87	12.88	100	20.3591
TK-702-C	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	75.87	12.88	100	20.3591
TK-702-D	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	75.87	12.88	100	20.3591
TK-702-E	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	75.87	12.88	100	20.3591
TK-702-F	40400311	Condensate	Mixed Hydrocarbons	0.55	53.28	75.87	12.88	100	20.3591
TK-701	40400311	Produced Water	Water	8.3	61.01	75.56	2.55	100	11.8812

Section 6

All Calculations

Show all calculations used to determine both the hourly and annual controlled and uncontrolled emission rates. All calculations shall be performed keeping a minimum of three significant figures. Document the source of each emission factor used (if an emission rate is carried forward and not revised, then a statement to that effect is required). If identical units are being permitted and will be subject to the same operating conditions, submit calculations for only one unit and a note specifying what other units to which the calculations apply. All formulas and calculations used to calculate emissions must be submitted. The "Calculations" tab in the UA2 has been provided to allow calculations to be linked to the emissions tables. Add additional "Calc" tabs as needed. If the UA2 or other spread sheets are used, all calculation spread sheet(s) shall be submitted electronically in Microsoft Excel compatible format so that formulas and input values can be checked. Format all spread sheets and calculations such that the reviewer can follow the logic and verify the input values. Define all variables. If calculation spread sheets are not used, provide the original formulas with defined variables. Additionally, provide subsequent formulas showing the input values for each variable in the formula. All calculations, including those calculations are imbedded in the Calc tab of the UA2 portion of the application, the printed Calc tab(s), should be submitted under this section.

Tank Flashing Calculations: The information provided to the AQB shall include a discussion of the method used to estimate tank-flashing emissions, relative thresholds (i.e., NOI, permit, or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis. If Hysis is used, all relevant input parameters shall be reported, including separator pressure, gas throughput, and all other relevant parameters necessary for flashing calculation.

SSM Calculations: It is the applicant's responsibility to provide an estimate of SSM emissions or to provide justification for not doing so. In this Section, provide emissions calculations for Startup, Shutdown, and Routine Maintenance (SSM) emissions listed in the Section 2 SSM and/or Section 22 GHG Tables and the rationale for why the others are reported as zero (or left blank in the SSM/GHG Tables). Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on calculating SSM emissions. If SSM emissions are greater than those reported in the Section 2, Requested Allowables Table, modeling may be required to ensure compliance with the standards whether the application is NSR or Title V. Refer to the Modeling Section of this application for more guidance on modeling requirements.

Glycol Dehydrator Calculations: The information provided to the AQB shall include the manufacturer's maximum design recirculation rate for the glycol pump. If GRI-Glycalc is used, the full input summary report shall be included as well as a copy of the gas analysis that was used.

Road Calculations: Calculate fugitive particulate emissions and enter haul road fugitives in Tables 2-A, 2-D and 2-E for:

1. If you transport raw material, process material and/or product into or out of or within the facility and have PER emissions greater than 0.5 tpy.
2. If you transport raw material, process material and/or product into or out of the facility more frequently than one round trip per day.

Significant Figures:

A. All emissions standards are deemed to have at least two significant figures, but not more than three significant figures.

B. At least 5 significant figures shall be retained in all intermediate calculations.

C. In calculating emissions to determine compliance with an emission standard, the following rounding off procedures shall be used:

- (1) If the first digit to be discarded is less than the number 5, the last digit retained shall not be changed;
- (2) If the first digit discarded is greater than the number 5, or if it is the number 5 followed by at least one digit other than the number zero, the last figure retained shall be increased by one unit; **and**
- (3) If the first digit discarded is exactly the number 5, followed only by zeros, the last digit retained shall be rounded upward if it is an odd number, but no adjustment shall be made if it is an even number.
- (4) The final result of the calculation shall be expressed in the units of the standard.

Control Devices: 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. The applicant can indicate in this section of the application if they chose to not take credit for the reduction in emission rates. For notices of intent submitted under 20.2.73 NMAC, only uncontrolled emission rates can be considered to determine applicability unless the state or federal Acts require the control. This information is necessary to determine if federally enforceable conditions are necessary for the control device, and/or if the control device produces its own regulated pollutants or increases emission rates of other pollutants.

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Engines (Units ENG-1, ENG-2, ENG-3, ENG-4)

NO_x, CO, VOC, were calculated using emission factors provided by the manufacturer's and catalyst specifications. PM, SO₂ and hazardous emissions were calculated using AP-42 factors for internal natural gas combustion sources in Table 3.2-2. As a conservative measure, it was assumed that PM(Total) = PM₁₀ and PM (condensable) = PM_{2.5}. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Heaters (Units HT-1, HT-801, HT-101, HT-102, HT-802, DR-1, DR-2)

NO_x, CO, VOC, PM, SO₂ and hazardous emissions were calculated using AP-42 factors for external natural gas combustion sources in Tables 1.4-1, 1.4-2 and 1.4-3. As a conservative measure, it was assumed that PM(Total) = PM₁₀ and PM (condensable) = PM_{2.5}. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Reboilers (Units AR-1, AR-2)

NO_x, VOC, PM, SO₂ and hazardous emissions were calculated using AP-42 factors for external natural gas combustion sources in Tables 1.4-1, 1.4-2 and 1.4-3. As a conservative measure, it was assumed that PM(Total) = PM₁₀ and PM (condensable) = PM_{2.5}. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Glycol Dehydrators (Units DEHY-1, DEHY-2)

All emissions from these units are calculated using ProMax. Flash emissions from glycol dehydrators will be routed to the facility fuel system or back to the process. The regenerator emissions from DEHY-1 are routed to the FL-2. Controlled emissions from this unit will be represented under FL-2a. The regenerator emissions from DEHY-2 are routed to the TO-2. Controlled emissions from this unit will be represented under TO-2. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Amine Vents (Units AM-1, AM-2)

All emissions from these units are calculated using ProMax. The amine flash is routed back to the process. The regenerator emissions from both amine units are routed to the thermal oxidizers, TO-1 and TO-2 respectively. Controlled emissions are represented under unit TO-1 and TO-2. Emissions during maintenance and malfunction are accounted for in thermal oxidizer SSM (TO-1 SSM/M and TO-2 SSM/M). Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Flare (Unit FL-2a)

This flare controls the DEHY-1 condenser stream. The basis of the flaring calculations are the expected composition and maximum expected volumes of the gas. The SO₂ composition is based on a 98% molar conversion of H₂S to SO₂. NO_x and CO emissions for both scenarios are calculated using AP-42 Table 13.5-1 emission factors. VOC emissions are calculated from the VOC volume fraction of the inlet gas to the flare, the specific volume of the VOC fraction of the inlet gas, and a 98% destruction efficiency. The ProMax inlet gas analysis can be found in Section 7. Emissions of greenhouse gases are calculated using methodology from 40 CFR Subpart 98.233(n).

Flare SSM (Units FL-1, FL-2b, FL-3)

The plant flares are used for flaring during startup, shutdown, maintenance and upset conditions. The only steady state conditions associated with these flares are from the pilot and purge gas streams. SSM from the plant flares is due to various maintenance activities throughout the facility per manufacturer's recommended maintenance schedules. These maintenance activities include but are not limited to compressor catalyst changes, blowdowns for associated maintenance throughout the facility, instrumental calibrations, and process safety device maintenance.

The basis of the flaring calculations are the expected composition and maximum expected volumes of the gas. The SO₂ composition is based on a 98% molar conversion of H₂S to SO₂. NO_x and CO emissions for both scenarios are calculated using AP-42 Table 13.5-1 emission factors. VOC emissions are calculated from the VOC volume fraction of the inlet gas to the

flare, the specific volume of the VOC fraction of the inlet gas, and a 98% destruction efficiency. The ProMax inlet gas analysis can be found in Section 7. Emissions of greenhouse gases are calculated using methodology from 40 CFR Subpart 98.233(n).

Thermal Oxidizers (Units TO-1 and TO-2)

NOx and CO emissions were updated using the manufacture's spec sheet. PM and SO2 emissions were calculated using AP-42 factors for external natural gas combustion sources in Tables 1.4-1 and 1.4-2. HAP and VOC emissions were calculated using streams from ProMax. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Thermal Oxidizers SSM (Unit TO-1 SSM/M, TO-2 SSM/M)

This accounts for emissions during startup shutdown and maintenance and upset conditions from the thermal oxidizer. VOC, H2S and HAP emissions were calculated using streams from ProMax. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Vapor Combustion Unit (Unit VCU-1)

NOx, CO, and SO2 emissions were calculated using AP-42 factors for external natural gas combustion sources in Tables 1.4-1 and 1.4-2. HAP and VOC emissions were calculated using streams from ProMax. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Vapor Combustion Unit (Unit VCU-1 SSM/M)

This accounts for emissions during startup shutdown and maintenance and upset conditions from the vapor combustion unit. VOC, H2S and HAP emissions were calculated using streams from ProMax. Greenhouse gas emissions were estimated using methodology from 40 CFR Part 98 and emission factors from Tables C-1 and C-2 of Part 98.

Condensate Storage Tanks (Unit TK-702-A-F)

These units represent six connected 500 bbl condensate storage tanks. Uncontrolled emissions are calculated using ProMax and an annual throughput of 6000 bbl/day. Emissions will be routed to the vapor combustion unit, unit VCU-1.

Produced Water Tank (Unit TK-701)

Unit TK-701 represents one 500 bbl produced water tank. Uncontrolled emissions are calculated using ProMax and an annual throughput of 80 bbl/day. Emissions will be routed to the vapor combustion unit, unit VCU-1.

Loading Emissions (Unit TL-1, TL-2)

Condensate and produced water are transferred out of the facility via LACT. Loading emissions are calculated for 7 days of condensate and produced water loading in case the LACT is down. Emissions from loading of condensate and produced water out of the facility by truck were estimated using Equation 1 in AP-42 Section 5.2-4.

Fugitive Emissions (Unit FUG)

Fugitive emissions were estimated using emission factors from Table 2-4 of EPA Protocol for Equipment Leak Emission Estimates, November 1995, EPA-453/R-95-017. Component counts were estimated as previously permitted. The percent VOC and HAPs are from the inlet gas analysis dated 8/22/2012. The percent VOC in liquids conservatively assumed to be 100%. The percent H2S in liquids is zero. The percent of HAPs in the liquids is estimated based on the ratio of VOC and HAP in the previous gas analysis. Total HAPs is the sum of n-Hexane, Benzene, Toluene, Ethylbenzene, and Xylene.

Haul Road Emissions (Unit HAUL)

Unpaved haul road emissions were estimated based on Equations 1a and 2 of AP-42 Section 13.2.1 (1/11). Particle size multipliers and constants for these equations are found in AP-42 Table 13.2.2-2, Industrial Roads. Silt content is taken from AP-42 Table 13.2.2-1 and annual wet days is from AP-42 Figure 13.2.2-1. The control efficiency from base course is from the NMED guidance document entitled Department Accepted Values For: Aggregate Handling, Storage Pile, and Haul Road Emissions. The length of the haul road is estimated from Google Earth.