

Major NSR Summary Table

Permit Numbers: GHGPSDTX38M1					Issuance Date: October 24, 2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Conditions/ Application Information	Special Conditions/ Application Information	Special Conditions/ Application Information
OC2H120	Cracking Furnace F-120	CO ₂ (5)	---	278,357	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	15.57			
		N ₂ O (5)	---	3.11			
		CO ₂ e	---	278,641			
OC2H121	Cracking Furnace F-121	CO ₂ (5)	---	278,357	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	15.57			
		N ₂ O (5)	---	3.11			
		CO ₂ e	---	278,641			
OC2H122	Cracking Furnace F-122	CO ₂ (5)	---	278,357	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	15.57			
		N ₂ O (5)	---	3.11			
		CO ₂ e	---	278,641			
OC2H123	Cracking Furnace F-123	CO ₂ (5)	---	278,357	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	15.57			
		N ₂ O (5)	---	3.11			
		CO ₂ e	---	278,641			
OC2H124	Cracking Furnace F-124	CO ₂ (5)	---	278,357	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	15.57			
		N ₂ O (5)	---	3.11			
		CO ₂ e	---	278,641			
OC2H125	Cracking Furnace F-125	CO ₂ (5)	---	278,357	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	15.57			
		N ₂ O (5)	---	3.11			
		CO ₂ e	---	301,855			
OC2H126	Cracking Furnace F-126	CO ₂ (5)	---	16.88	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	3.38			
		N ₂ O (5)	---	302,164			
		CO ₂ e	---	301,855			
OC2H127	Cracking Furnace F-127	CO ₂ (5)	---	16.88	3, 13, 14	13, 14, 15, 16	13, 14, 16

		CH ₄ (5)	---	3.38			
		N ₂ O (5)	---	302,164			
		CO ₂ e	---	301,855			
OC2H128	Cracking Furnace F-128	CO ₂ (5)	---	16.88	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	3.38			
		N ₂ O (5)	---	302,164			
		CO ₂ e	---	301,855			
OC2H129	Cracking Furnace F-129	CO ₂ (5)	---	16.88	3, 13, 14	13, 14, 15, 16	13, 14, 16
		CH ₄ (5)	---	3.38			
		N ₂ O (5)	---	302,164			
		CO ₂ e	---	301,855			
OC2F597	Low Pressure Flare FS-597	CO ₂ (5)	---	14,034	4, 6, 13	4, 6, 13, 15, 16	13, 16
		CH ₄ (5)	---	0.22			
		N ₂ O (5)	---	0.02			
		CO ₂ e	---	14,046			
OC2F5961	Pressure-Assisted Flare GF-596	CO ₂ (5)	---	43,910	4, 6, 13	4, 6, 13, 15, 16	13, 16
		CH ₄ (5)	---	2.13			
		N ₂ O (5)	---	0.42			
		CO ₂ e	---	44,089			
OC2TOX	LHC-9 TOX	CO ₂ (5)	---	3,320	5, 6, 13	5, 6, 13, 15, 16	5, 13, 16
		CH ₄ (5)	---	0.06			
		N ₂ O (5)	---	0.007			
		CO ₂ e	---	3,324			
OC2FU2	Process Area Fugitives	CO ₂ (5)	---	0.08	10, 11	10, 15, 16	10, 16
		CH ₄ (5)	---	7.96			
		CO ₂ e	---	198.97			
OC2CT936	Cooling Tower CT-936 Heat Exchanger System	CO ₂ (5)	---	0	7	7, 15, 16	16
		CH ₄ (5)	---	1			
		CO ₂ e	---	25			
OC2GE1	Backup Diesel Generator No. 1	CO ₂ (5)	---	16.04	9	9, 15, 16	9, 16
		CH ₄ (5)	---	0.001			
		N ₂ O (5)	---	0.0001			
		CO ₂ e	---	17			

OC2GE2	Backup Diesel Generator No. 2	CO ₂ (5)	---	16.04	9	9, 15, 16	9, 16
		CH ₄ (5)	---	0.001			
		N ₂ O (5)	---	0.0001			
		CO ₂ e	---	17			
TOTALS		CO ₂ (5)	---	2,938,860			
		CH ₄ (5)	---	172			
		N ₂ O (5)	---	33			
		CO ₂ e	---	2,942,218			

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) CO₂ - carbon dioxide
N₂O - nitrous oxide
CH₄ - methane
CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (GWP) found in Table A-1 of Subpart A 40 CFR Part 98 (78 FR 71904) for each pollutant: CO₂ (1), N₂O (298), CH₄(25)
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.