



2023 CONTAMINANT SUMMARY REPORT

August 20, 2024

1:26 pm

CN : CN603988692

Organization : MARATHON OIL EF LLC

RN : RN106278799

Account : KAA121I

Site : NORTH LONGHORN CENTRAL
TANK BATTERY

Last EI Date : 12/31/2023

CRITERIA EMISSIONS TOTALS

Pollutant Class	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
PM2.5	3.8740	21.3411	0.0000	0.0000	0.0000
VOC	63.9825	316.2830	0.0157	0.6198	0.6355
CO	14.2412	76.7506	0.0255	1.0050	1.0305
NOX	42.7378	233.4183	0.0128	0.5034	0.5162
SO2	2.3130	12.4255	0.0003	0.0112	0.0115
PM10	3.8740	21.3411	0.0000	0.0000	0.0000

CONTAMINANT SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
10000	PART-U	3.8740	21.3411	0.0000	0.0000	0.0000
20000	PM10 PART-U	3.8740	21.3411	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	3.8740	21.3411	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	34.3906	178.6667	0.0157	0.6115	0.6272
51530	METHANOL	0.5587	3.0924	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	1.8687	10.3412	0.0000	0.0000	0.0000
51640	ACROLEIN	1.1489	6.3580	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.2131	1.1882	0.0000	0.0000	0.0000
52420	BENZENE	0.2725	1.6833	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0562	0.1985	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0163	0.0917	0.0000	0.0000	0.0000
52463	ACENAPHTHYLENE	0.0000	0.0051	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0052	0.0410	0.0000	0.0000	0.0000
52490	TOLUENE	0.3114	1.4753	0.0000	0.0000	0.0000
52510	XYLENE-U	0.1282	0.9017	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0000	0.0238	0.0000	0.0000	0.0000
53390	1,1,2,2-TETRACHLOROETHANE	0.0058	0.0360	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0000	0.0107	0.0000	0.0000	0.0000
56100	CYCLOPENTANE	0.0498	0.2950	0.0000	0.0000	0.0000
56150	METHYLCYCLOHEXANE	0.2703	1.5990	0.0000	0.0000	0.0000
56576	HEPTANE ISOMERS	0.0000	0.0000	0.0000	0.0000	0.0000
56595	HEXANE BRANCHED ISOMER-U	0.0000	0.0000	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0445	0.2627	0.0000	0.0000	0.0000
56625	ISOBUTANE	1.8763	6.1993	0.0000	0.0000	0.0000
56674	OCTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56680	DECANE	0.0000	0.0000	0.0000	0.0000	0.0000
56700	ISO PENTANE	1.2822	3.8317	0.0000	0.0000	0.0000
56703	NONANE	0.0000	0.0000	0.0000	0.0000	0.0000
56725	N BUTANE	4.1656	13.3422	0.0000	0.0000	0.0000



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56730	N-HEXANE	0.8338	3.0837	0.0000	0.0071	0.0071
56750	PENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56751	2,2,4- TRIMETHYLPENTANE	0.0301	0.1854	0.0000	0.0012	0.0012
56752	N-PENTANE	1.6241	5.7422	0.0000	0.0000	0.0000
56775	PROPANE	14.8354	77.6981	0.0000	0.0000	0.0000
70300	HYDROGEN SULFIDE	0.0422	0.1909	0.0000	0.0001	0.0001
70400	NITROGEN OXIDES	42.7378	233.4183	0.0128	0.5034	0.5162
70510	SULFUR DIOXIDE	2.3130	12.4255	0.0003	0.0112	0.0115
90300	CARBON MONOXIDE	14.2412	76.7506	0.0255	1.0050	1.0305

HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
51530	METHANOL	0.5587	3.0924	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	1.8687	10.3412	0.0000	0.0000	0.0000
51640	ACROLEIN	1.1489	6.3580	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.2131	1.1882	0.0000	0.0000	0.0000
52420	BENZENE	0.2725	1.6833	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0562	0.1985	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0163	0.0917	0.0000	0.0000	0.0000
52463	ACENAPHTHYLENE	0.0000	0.0051	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0052	0.0410	0.0000	0.0000	0.0000
52490	TOLUENE	0.3114	1.4753	0.0000	0.0000	0.0000
52510	XYLENE-U	0.1282	0.9017	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0000	0.0238	0.0000	0.0000	0.0000
53390	1,1,2,2-TETRACHLOROETHANE	0.0058	0.0360	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0000	0.0107	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0445	0.2627	0.0000	0.0000	0.0000
56730	N-HEXANE	0.8338	3.0837	0.0000	0.0071	0.0071
56751	2,2,4- TRIMETHYLPENTANE	0.0301	0.1854	0.0000	0.0012	0.0012
Total		5.4934	28.9787	0.0000	0.0083	0.0083