



# 2023 CONTAMINANT SUMMARY REPORT

July 29, 2024

12:58 pm

**CN :** CN603988692

**Organization :** MARATHON OIL EF LLC

**RN :** RN107947020

**Account :** KAA027A

**Site :** SOUTH KARNES CENTRAL FACILITY

**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	4.2190	23.9990	0.0029	0.0163	0.0192
VOC	44.3220	255.7235	0.0818	0.9594	1.0412
CO	33.8642	187.5147	0.1414	0.8017	0.9431
NOX	42.7301	242.8027	0.0708	0.4016	0.4724
SO2	62.4207	342.2656	0.0016	0.0016	0.0032
PM10	4.2974	24.4331	0.0038	0.0217	0.0255

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Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
10000	PART-U	4.2985	24.4564	0.0038	0.0217	0.0255
20000	PM10 PART-U	4.2974	24.4331	0.0038	0.0217	0.0255
39999	TOTAL PM2.5 PARTICULATE	4.2190	23.9990	0.0029	0.0163	0.0192
50001	VOC-UNCLASSIFIED	20.4985	120.2649	0.0802	0.9505	1.0307
51530	METHANOL	0.4362	2.5091	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	1.4589	8.3902	0.0000	0.0000	0.0000
51640	ACROLEIN	0.8970	5.1586	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0972	0.3644	0.0000	0.0000	0.0000
52420	BENZENE	0.1963	1.7459	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0177	0.1944	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0129	0.0746	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0041	0.0239	0.0000	0.0000	0.0000
52490	TOLUENE	0.2377	2.3663	0.0000	0.0000	0.0000
52510	XYLENE-U	0.3315	3.8952	0.0000	0.0000	0.0000
56150	METHYLCYCLOHEXANE	0.1264	0.6989	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0172	0.1010	0.0000	0.0000	0.0000
56625	ISOBUTANE	1.7745	9.7260	0.0000	0.0000	0.0000
56700	ISO PENTANE	1.1697	6.4095	0.0000	0.0000	0.0000
56725	N BUTANE	2.6094	13.0949	0.0000	0.0000	0.0000
56730	N-HEXANE	0.5176	2.9268	0.0016	0.0089	0.0105
56752	N-PENTANE	1.4632	7.7638	0.0000	0.0000	0.0000
56775	PROPANE	12.4601	70.0390	0.0000	0.0000	0.0000
70300	HYDROGEN SULFIDE	0.6638	8.6646	0.0000	0.0000	0.0000
70400	NITROGEN OXIDES	42.7301	242.8027	0.0708	0.4016	0.4724
70402	NITROGEN DIOXIDE	0.0000	0.0000	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	62.4207	342.2656	0.0016	0.0016	0.0032
90100	CARBON DIOXIDE	0.0089	0.0487	0.0000	0.0000	0.0000
90300	CARBON MONOXIDE	33.8642	187.5147	0.1414	0.8017	0.9431



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## HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
51530	METHANOL	0.4362	2.5091	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	1.4589	8.3902	0.0000	0.0000	0.0000
51640	ACROLEIN	0.8970	5.1586	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0972	0.3644	0.0000	0.0000	0.0000
52420	BENZENE	0.1963	1.7459	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0177	0.1944	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0129	0.0746	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0041	0.0239	0.0000	0.0000	0.0000
52490	TOLUENE	0.2377	2.3663	0.0000	0.0000	0.0000
52510	XYLENE-U	0.3315	3.8952	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0172	0.1010	0.0000	0.0000	0.0000
56730	N-HEXANE	0.5176	2.9268	0.0016	0.0089	0.0105
Total		4.2243	27.7504	0.0016	0.0089	0.0105