



# 2023 CONTAMINANT SUMMARY REPORT

April 25, 2024

4:30 pm

**CN :** CN603988692

**Organization :** MARATHON OIL EF LLC

**RN :** RN106259450

**Account :** AGA013N

**Site :** EAST EXCELSIOR 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	2.0490	11.3494	0.0187	0.0808	0.0995
VOC	41.5070	221.7258	0.5698	2.4561	3.0259
CO	13.5468	75.1875	0.9204	3.9837	4.9041
NOX	35.7015	204.7636	0.4610	1.9955	2.4565
SO2	1.0318	5.5256	0.0103	0.0446	0.0549
PB	0.0000	0.0000	0.0000	0.0000	0.0000
PM10	2.0490	11.3494	0.0249	0.1077	0.1326

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Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
10000	PART-U	2.0490	11.3494	0.0249	0.1077	0.1326
20000	PM10 PART-U	2.0490	11.3494	0.0249	0.1077	0.1326
39999	TOTAL PM2.5 PARTICULATE	2.0490	11.3494	0.0187	0.0808	0.0995
50001	VOC-UNCLASSIFIED	26.0278	136.7307	0.5603	2.4206	2.9809
51530	METHANOL	0.3239	1.7841	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	1.0834	5.9659	0.0000	0.0000	0.0000
51640	ACROLEIN	0.6661	3.6680	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0427	0.2596	0.0000	0.0000	0.0000
52420	BENZENE	0.1351	0.8736	0.0000	0.0026	0.0026
52450	ETHYL BENZENE	0.0033	0.0530	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0087	0.0530	0.0000	0.0000	0.0000
52463	ACENAPHTHYLENE	0.0000	0.0025	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0027	0.0236	0.0000	0.0000	0.0000
52490	TOLUENE	0.1263	0.6484	0.0019	0.0000	0.0019
52510	XYLENE-U	0.0505	0.4967	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0000	0.0143	0.0000	0.0000	0.0000
53390	1,1,2,2-TETRACHLOROETHANE	0.0033	0.0285	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0000	0.0083	0.0000	0.0000	0.0000
56100	CYCLOPENTANE	0.0267	0.1463	0.0000	0.0000	0.0000
56150	METHYLCYCLOHEXANE	0.1446	0.7929	0.0000	0.0000	0.0000
56575	HEPTANE	0.0000	0.0000	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
56600	HEXANE	0.0000	0.0000	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0378	0.2122	0.0000	0.0000	0.0000
56625	ISOBUTANE	0.8181	4.4828	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



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56700	ISO PENTANE	0.5145	2.8190	0.0000	0.0000	0.0000
56703	NONANE	0.0000	0.0000	0.0000	0.0000	0.0000
56725	N BUTANE	1.8083	9.9085	0.0000	0.0000	0.0000
56730	N-HEXANE	0.4330	2.0606	0.0065	0.0282	0.0347
56750	PENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56751	2,2,4- TRIMETHYLPENTANE	0.0075	0.0547	0.0011	0.0047	0.0058
56752	N-PENTANE	0.8010	4.3902	0.0000	0.0000	0.0000
56775	PROPANE	8.4444	46.2888	0.0000	0.0000	0.0000
70300	HYDROGEN SULFIDE	0.0212	0.1072	0.0001	0.0005	0.0006
70400	NITROGEN OXIDES	35.7015	204.7636	0.4610	1.9955	2.4565
70510	SULFUR DIOXIDE	1.0318	5.5256	0.0103	0.0446	0.0549
90300	CARBON MONOXIDE	13.5468	75.1875	0.9204	3.9837	4.9041

## HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
51530	METHANOL	0.3239	1.7841	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	1.0834	5.9659	0.0000	0.0000	0.0000
51640	ACROLEIN	0.6661	3.6680	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0427	0.2596	0.0000	0.0000	0.0000
52420	BENZENE	0.1351	0.8736	0.0000	0.0026	0.0026
52450	ETHYL BENZENE	0.0033	0.0530	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0087	0.0530	0.0000	0.0000	0.0000
52463	ACENAPHTHYLENE	0.0000	0.0025	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0027	0.0236	0.0000	0.0000	0.0000
52490	TOLUENE	0.1263	0.6484	0.0019	0.0000	0.0019
52510	XYLENE-U	0.0505	0.4967	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0000	0.0143	0.0000	0.0000	0.0000
53390	1,1,2,2-TETRACHLOROETHANE	0.0033	0.0285	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0000	0.0083	0.0000	0.0000	0.0000
56600	HEXANE	0.0000	0.0000	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0378	0.2122	0.0000	0.0000	0.0000
56730	N-HEXANE	0.4330	2.0606	0.0065	0.0282	0.0347
56751	2,2,4- TRIMETHYLPENTANE	0.0075	0.0547	0.0011	0.0047	0.0058
<b>Total</b>		2.9243	16.2070	0.0095	0.0355	0.0450