



2023 CONTAMINANT SUMMARY REPORT

June 17, 2024

11:13 am

CN : CN603988692

Organization : MARATHON OIL EF LLC

RN : RN110668753

Account : AGA016Q

Site : GUAJILLO EOR 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 | 0.4711 | 3.6425 | 0.0000 | 0.0000 | 0.0000 |
| VOC | 17.9132 | 115.3208 | 0.0000 | 0.5582 | 0.5582 |
| CO | 1.8429 | 11.7274 | 0.0000 | 0.0000 | 0.0000 |
| NOX | 5.5376 | 43.9851 | 0.0000 | 0.0000 | 0.0000 |
| SO2 | 1.9185 | 10.6978 | 0.0000 | 0.0000 | 0.0000 |
| PM10 | 0.4711 | 3.6425 | 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 | 0.4711 | 3.6425 | 0.0000 | 0.0000 | 0.0000 |
| 20000 | PM10 PART-U | 0.4711 | 3.6425 | 0.0000 | 0.0000 | 0.0000 |
| 39999 | TOTAL PM2.5 PARTICULATE | 0.4711 | 3.6425 | 0.0000 | 0.0000 | 0.0000 |
| 50001 | VOC-UNCLASSIFIED | 10.3081 | 71.9014 | 0.0000 | 0.5582 | 0.5582 |
| 51530 | METHANOL | 0.0900 | 0.7048 | 0.0000 | 0.0000 | 0.0000 |
| 51620 | ACETALDEHYDE | 0.3012 | 2.3568 | 0.0000 | 0.0000 | 0.0000 |
| 51680 | FORMALDEHYDE | 0.3156 | 2.3452 | 0.0000 | 0.0000 | 0.0000 |
| 52420 | BENZENE | 0.1212 | 0.7015 | 0.0000 | 0.0000 | 0.0000 |
| 52450 | ETHYL BENZENE | 0.0087 | 0.0474 | 0.0000 | 0.0000 | 0.0000 |
| 52460 | NAPHTHALENE | 0.0027 | 0.0210 | 0.0000 | 0.0000 | 0.0000 |
| 52488 | 2-METHYLNAPHTHALENE | 0.0012 | 0.0093 | 0.0000 | 0.0000 | 0.0000 |
| 52490 | TOLUENE | 0.1447 | 0.8278 | 0.0000 | 0.0000 | 0.0000 |
| 52510 | XYLENE-U | 0.0952 | 0.5375 | 0.0000 | 0.0000 | 0.0000 |
| 53250 | METHYLENE CHLORIDE | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 56575 | HEPTANE | 0.0043 | 0.0200 | 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 | 0.0090 | 0.0705 | 0.0000 | 0.0000 | 0.0000 |
| 56625 | ISOBUTANE | 0.2296 | 1.2580 | 0.0000 | 0.0000 | 0.0000 |
| 56674 | OCTANE | 0.2806 | 1.5400 | 0.0000 | 0.0000 | 0.0000 |
| 56680 | DECANE | 3.4537 | 18.9244 | 0.0000 | 0.0000 | 0.0000 |
| 56700 | ISO PENTANE | 0.1803 | 0.9879 | 0.0000 | 0.0000 | 0.0000 |
| 56703 | NONANE | 0.2385 | 1.3100 | 0.0000 | 0.0000 | 0.0000 |
| 56725 | N BUTANE | 0.5191 | 2.8443 | 0.0000 | 0.0000 | 0.0000 |
| 56730 | N-HEXANE | 0.2213 | 1.3117 | 0.0000 | 0.0000 | 0.0000 |
| 56750 | PENTANE | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 56752 | N-PENTANE | 0.2030 | 1.1100 | 0.0000 | 0.0000 | 0.0000 |
| 56775 | PROPANE | 1.1864 | 6.5006 | 0.0000 | 0.0000 | 0.0000 |



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|--------|------------------|--------------|-------------|------------|-------------------|---------------|
| 70300 | HYDROGEN SULFIDE | 0.0230 | 0.1316 | 0.0000 | 0.0028 | 0.0028 |
| 70400 | NITROGEN OXIDES | 5.5330 | 43.9851 | 0.0000 | 0.0000 | 0.0000 |
| 70402 | NITROGEN DIOXIDE | 0.0046 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 70510 | SULFUR DIOXIDE | 1.9185 | 10.6978 | 0.0000 | 0.0000 | 0.0000 |
| 90300 | CARBON MONOXIDE | 1.8429 | 11.7274 | 0.0000 | 0.0000 | 0.0000 |

HAPS SUMMARY REPORT

| Contam | Contam Name | Annual (TPY) | Ozone (PPD) | SMSS (TPY) | Emiss Event (TPY) | EE/SMSS (TPY) |
|--------|------------------------|--------------|-------------|------------|-------------------|---------------|
| 51530 | METHANOL | 0.0900 | 0.7048 | 0.0000 | 0.0000 | 0.0000 |
| 51620 | ACETALDEHYDE | 0.3012 | 2.3568 | 0.0000 | 0.0000 | 0.0000 |
| 51680 | FORMALDEHYDE | 0.3156 | 2.3452 | 0.0000 | 0.0000 | 0.0000 |
| 52420 | BENZENE | 0.1212 | 0.7015 | 0.0000 | 0.0000 | 0.0000 |
| 52450 | ETHYL BENZENE | 0.0087 | 0.0474 | 0.0000 | 0.0000 | 0.0000 |
| 52460 | NAPHTHALENE | 0.0027 | 0.0210 | 0.0000 | 0.0000 | 0.0000 |
| 52488 | 2-METHYLNAPHTHALENE | 0.0012 | 0.0093 | 0.0000 | 0.0000 | 0.0000 |
| 52490 | TOLUENE | 0.1447 | 0.8278 | 0.0000 | 0.0000 | 0.0000 |
| 52510 | XYLENE-U | 0.0952 | 0.5375 | 0.0000 | 0.0000 | 0.0000 |
| 53250 | METHYLENE CHLORIDE | 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 | 0.0090 | 0.0705 | 0.0000 | 0.0000 | 0.0000 |
| 56730 | N-HEXANE | 0.2213 | 1.3117 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 1.3108 | 8.9335 | 0.0000 | 0.0000 | 0.0000 |