# 2022 CONTAMINANT SUMMARY REPORT

May 25, 2023

3:58 pm

**CN :** CN600129001 **Organization :** STRUCTURAL METALS INC

**RN :** RN102413689 **Account :** GL0028H **Site :** FURNACE & STEEL MILL

**Last EI Date :** 12/31/2022

## CRITERIA EMISSIONS TOTALS

| Pollutant Class | Annual (TPY) | Ozone (PPD) | SMSS (TPY) | Emiss Event (TPY) | EE/SMSS (TPY) |
|---|---|---|---|---|---|
| PM2.5 | 65.3808 | 368.7149 | 0.0000 | 0.0000 | 0.0000 |
| VOC | 51.6068 | 290.9049 | 0.0000 | 0.0000 | 0.0000 |
| CO | 459.0224 | 2586.1100 | 0.0000 | 0.0000 | 0.0000 |
| NOX | 119.9990 | 676.0300 | 0.0000 | 0.0000 | 0.0000 |
| SO2 | 73.7954 | 415.4383 | 0.0000 | 0.0000 | 0.0000 |
| PB | 0.1280 | 0.7100 | 0.0000 | 0.0000 | 0.0000 |
| PM10 | 90.9829 | 512.5448 | 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 | 88.0410 | 496.1000 | 0.0000 | 0.0000 | 0.0000 |
| 14023 | ANTIMONY AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 14030 | ARSENIC - AS | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 14036 | ARSENIC AND COMPOUNDS | 0.0160 | 0.1000 | 0.0000 | 0.0000 | 0.0000 |
| 14050 | BARIUM - BA | 0.3600 | 2.0400 | 0.0000 | 0.0000 | 0.0000 |
| 14051 | BARIUM COMPOUNDS | 0.0170 | 0.1000 | 0.0000 | 0.0000 | 0.0000 |
| 14071 | BERYLLIUM AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 14110 | CADMIUM-CD | 0.0320 | 0.1990 | 0.0000 | 0.0000 | 0.0000 |
| 14160 | CHROMIUM-CR | 0.0740 | 0.4300 | 0.0000 | 0.0000 | 0.0000 |
| 14190 | COPPER-CU | 0.0860 | 0.4800 | 0.0000 | 0.0000 | 0.0000 |
| 14300 | IRON-FE | 1.2200 | 6.8900 | 0.0000 | 0.0000 | 0.0000 |
| 14306 | IRON 2 OXIDE - FEO | 6.3400 | 35.7100 | 0.0000 | 0.0000 | 0.0000 |
| 14310 | LEAD-PB | 0.1280 | 0.7100 | 0.0000 | 0.0000 | 0.0000 |
| 14350 | MANGANESE-MN | 0.5600 | 3.2000 | 0.0000 | 0.0000 | 0.0000 |
| 14360 | MERCURY-HG | 0.0169 | 0.1048 | 0.0000 | 0.0000 | 0.0000 |
| 14390 | NICKEL-NI | 0.1400 | 0.8000 | 0.0000 | 0.0000 | 0.0000 |
| 14391 | NICKEL AND COMPOUNDS | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 14595 | SELENIUM AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 14601 | SILICA OXIDE | 0.1380 | 0.7500 | 0.0000 | 0.0000 | 0.0000 |
| 14611 | SILVER COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 14690 | TELLURIUM-TE | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 14701 | THALLIUM COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 14760 | VANADIUM | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 14780 | ZINC-ZN | 2.7900 | 15.9400 | 0.0000 | 0.0000 | 0.0000 |
| 14785 | ZINC COMPOUNDS | 2.2000 | 12.6000 | 0.0000 | 0.0000 | 0.0000 |
| 20000 | PM10 PART-U | 78.9990 | 444.6600 | 0.0000 | 0.0000 | 0.0000 |
| 24023 | PM10 ANTIMONY AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24030 | PM10 ARSENIC - AS | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |

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| Contam | Contam Name | Annual (TPY) | Ozone (PPD) | SMSS (TPY) | Emiss Event (TPY) | EE/SMSS (TPY) |
|---|---|---|---|---|---|---|
| 24036 | PM10 ARSENIC AND COMPOUNDS | 0.0160 | 0.1000 | 0.0000 | 0.0000 | 0.0000 |
| 24050 | PM10 BARIUM - BA | 0.3600 | 2.0400 | 0.0000 | 0.0000 | 0.0000 |
| 24051 | PM10 BARIUM COMPOUNDS | 0.0170 | 0.1000 | 0.0000 | 0.0000 | 0.0000 |
| 24071 | PM10 BERYLLIUM COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24110 | PM10 CADMIUM-CD | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24160 | PM10 CHROMIUM-CR | 0.0660 | 0.3800 | 0.0000 | 0.0000 | 0.0000 |
| 24190 | PM10 COPPER-CU | 0.0860 | 0.4800 | 0.0000 | 0.0000 | 0.0000 |
| 24300 | PM10 IRON-FE | 1.2200 | 6.8900 | 0.0000 | 0.0000 | 0.0000 |
| 24306 | PM10 IRON 2 OXIDE - FEO | 6.3400 | 35.7100 | 0.0000 | 0.0000 | 0.0000 |
| 24310 | PM10 LEAD-PB | 0.1200 | 0.6600 | 0.0000 | 0.0000 | 0.0000 |
| 24350 | PM10 MANGANESE-MN | 0.5600 | 3.2000 | 0.0000 | 0.0000 | 0.0000 |
| 24360 | PM10 MERCURY-HG | 0.0089 | 0.0548 | 0.0000 | 0.0000 | 0.0000 |
| 24390 | PM10 NICKEL-NI | 0.1400 | 0.8000 | 0.0000 | 0.0000 | 0.0000 |
| 24391 | PM10 NICKEL AND COMPOUNDS | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 24595 | PM10 SELENIUM AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24601 | PM10 SILICA OXIDE | 0.0880 | 0.4700 | 0.0000 | 0.0000 | 0.0000 |
| 24611 | PM10 SILVER COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24690 | PM10 TELLURIUM-TE | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 24701 | PM10 THALLIUM COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24760 | PM10 VANADIUM | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24780 | PM10 ZINC-ZN | 0.5700 | 3.2000 | 0.0000 | 0.0000 | 0.0000 |
| 24785 | PM10 ZINC COMPOUNDS | 2.2000 | 12.6000 | 0.0000 | 0.0000 | 0.0000 |
| 39999 | TOTAL PM2.5 PARTICULATE | 65.3808 | 368.7149 | 0.0000 | 0.0000 | 0.0000 |
| 50001 | VOC-UNCLASSIFIED | 47.1108 | 265.5349 | 0.0000 | 0.0000 | 0.0000 |
| 51530 | METHANOL | 0.0400 | 0.2000 | 0.0000 | 0.0000 | 0.0000 |
| 52261 | MODIFIED VEGETABLE OILS | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 52420 | BENZENE | 3.9360 | 22.2100 | 0.0000 | 0.0000 | 0.0000 |
| 52490 | TOLUENE | 0.4600 | 2.6000 | 0.0000 | 0.0000 | 0.0000 |
| 52510 | XYLENE-U | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 54020 | ACETONE | 0.0700 | 0.4000 | 0.0000 | 0.0000 | 0.0000 |
| 54070 | METHYL ISOBUTYL KETONE | 0.0600 | 0.3600 | 0.0000 | 0.0000 | 0.0000 |
| 59002 | DISTILLATE | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 59007 | LUBRICATING OIL | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 59360 | STODDARD SOLVENT | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 70400 | NITROGEN OXIDES | 119.9990 | 676.0300 | 0.0000 | 0.0000 | 0.0000 |
| 70510 | SULFUR DIOXIDE | 73.7954 | 415.4383 | 0.0000 | 0.0000 | 0.0000 |
| 90300 | CARBON MONOXIDE | 459.0224 | 2586.1100 | 0.0000 | 0.0000 | 0.0000 |

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## HAPS SUMMARY REPORT

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|---|---|---|---|---|---|---|
| 14023 | ANTIMONY AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 14030 | ARSENIC - AS | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 14036 | ARSENIC AND COMPOUNDS | 0.0160 | 0.1000 | 0.0000 | 0.0000 | 0.0000 |
| 14071 | BERYLLIUM AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 14110 | CADMIUM-CD | 0.0320 | 0.1990 | 0.0000 | 0.0000 | 0.0000 |
| 14160 | CHROMIUM-CR | 0.0740 | 0.4300 | 0.0000 | 0.0000 | 0.0000 |
| 14310 | LEAD-PB | 0.1280 | 0.7100 | 0.0000 | 0.0000 | 0.0000 |
| 14350 | MANGANESE-MN | 0.5600 | 3.2000 | 0.0000 | 0.0000 | 0.0000 |
| 14360 | MERCURY-HG | 0.0169 | 0.1048 | 0.0000 | 0.0000 | 0.0000 |
| 14390 | NICKEL-NI | 0.1400 | 0.8000 | 0.0000 | 0.0000 | 0.0000 |
| 14391 | NICKEL AND COMPOUNDS | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 14595 | SELENIUM AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24023 | PM10 ANTIMONY AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24030 | PM10 ARSENIC - AS | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 24036 | PM10 ARSENIC AND COMPOUNDS | 0.0160 | 0.1000 | 0.0000 | 0.0000 | 0.0000 |
| 24071 | PM10 BERYLLIUM COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24110 | PM10 CADMIUM-CD | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 24160 | PM10 CHROMIUM-CR | 0.0660 | 0.3800 | 0.0000 | 0.0000 | 0.0000 |
| 24310 | PM10 LEAD-PB | 0.1200 | 0.6600 | 0.0000 | 0.0000 | 0.0000 |
| 24350 | PM10 MANGANESE-MN | 0.5600 | 3.2000 | 0.0000 | 0.0000 | 0.0000 |
| 24360 | PM10 MERCURY-HG | 0.0089 | 0.0548 | 0.0000 | 0.0000 | 0.0000 |
| 24390 | PM10 NICKEL-NI | 0.1400 | 0.8000 | 0.0000 | 0.0000 | 0.0000 |
| 24391 | PM10 NICKEL AND COMPOUNDS | 0.0080 | 0.0500 | 0.0000 | 0.0000 | 0.0000 |
| 24595 | PM10 SELENIUM AND COMPOUNDS | 0.0240 | 0.1500 | 0.0000 | 0.0000 | 0.0000 |
| 51530 | METHANOL | 0.0400 | 0.2000 | 0.0000 | 0.0000 | 0.0000 |
| 52420 | BENZENE | 3.9360 | 22.2100 | 0.0000 | 0.0000 | 0.0000 |
| 52490 | TOLUENE | 0.4600 | 2.6000 | 0.0000 | 0.0000 | 0.0000 |
| 52510 | XYLENE-U | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 54070 | METHYL ISOBUTYL KETONE | 0.0600 | 0.3600 | 0.0000 | 0.0000 | 0.0000 |
| | Total | 6.5738 | 37.3586 | 0.0000 | 0.0000 | 0.0000 |