



2023 CONTAMINANT SUMMARY REPORT

August 19, 2024

12:19 pm

CN : CN604252080

Organization : ASH GROVE CEMENT COMPANY

RN : RN100225978

Account : ED00340

Site : MIDLOTHIAN PLANT

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	66.4537	417.3087	0.0000	0.0000	0.0000
VOC	18.0912	108.8931	0.0000	0.0000	0.0000
CO	67.8924	388.4859	0.0000	0.0486	0.0486
NOX	449.3082	2906.9555	0.0000	0.0000	0.0000
SO2	6.1220	31.5575	0.0000	0.0000	0.0000
PB	0.0064	0.0409	0.0000	0.0000	0.0000
PM10	75.6042	476.7658	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	18.0303	125.7664	0.0000	0.0000	0.0000
11175	SULFURIC ACID	0.1967	1.2621	0.0000	0.0000	0.0000
14000	PART-MINERAL-U	23.7999	149.1400	0.0000	0.0000	0.0000
14020	ANTIMONY-SB	0.0041	0.0263	0.0000	0.0000	0.0000
14030	ARSENIC - AS	0.0016	0.0104	0.0000	0.0000	0.0000
14070	BERYLLIUM-BE	0.0006	0.0039	0.0000	0.0000	0.0000
14110	CADMIUM-CD	0.0006	0.0037	0.0000	0.0000	0.0000
14123	CALCIUM CARBONATE-CACO3	4.6734	34.7244	0.0000	0.0000	0.0000
14128	CALCIUM SULFATE CASO4-2H2O	1.4460	9.0009	0.0000	0.0000	0.0000
14144	COAL	0.0000	0.0000	0.0000	0.0000	0.0000
14149	CEMENT PORTLAND	45.2031	277.0761	0.0000	0.0000	0.0000
14160	CHROMIUM-CR	0.0154	0.0987	0.0000	0.0000	0.0000
14170	COBALT-CO	0.0059	0.0381	0.0000	0.0000	0.0000
14310	LEAD-PB	0.0064	0.0409	0.0000	0.0000	0.0000
14350	MANGANESE-MN	0.0607	0.3897	0.0000	0.0000	0.0000
14360	MERCURY-HG	0.0000	0.0000	0.0000	0.0000	0.0000
14390	NICKEL-NI	0.0086	0.0552	0.0000	0.0000	0.0000
14570	SAND	0.0819	0.5243	0.0000	0.0000	0.0000
14590	SELENIUM-SE	0.0107	0.0685	0.0000	0.0000	0.0000
14610	SILVER-AG	0.0000	0.0000	0.0000	0.0000	0.0000
14700	THALLIUM-TL	0.0023	0.0147	0.0000	0.0000	0.0000
14780	ZINC-ZN	0.1141	0.7323	0.0000	0.0000	0.0000
20000	PM10 PART-U	5.1193	35.4110	0.0000	0.0000	0.0000
21175	PM10 SULFURIC ACID	0.1967	1.2621	0.0000	0.0000	0.0000
24000	PM10 PART-MINERAL-U	19.3689	122.0410	0.0000	0.0000	0.0000
24020	PM10 ANTIMONY-SB	0.0041	0.0263	0.0000	0.0000	0.0000
24030	PM10 ARSENIC - AS	0.0016	0.0104	0.0000	0.0000	0.0000
24070	PM10 BERYLLIUM-BE	0.0006	0.0039	0.0000	0.0000	0.0000



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24110	PM10 CADMIUM-CD	0.0006	0.0037	0.0000	0.0000	0.0000
24123	PM10 CALCIUM CARBONATE-CACO3	4.1821	31.3554	0.0000	0.0000	0.0000
24128	PM10 CALCIUM SULFATE CASO4-2H2O	1.2641	7.8898	0.0000	0.0000	0.0000
24144	PM10 COAL	0.0000	0.0000	0.0000	0.0000	0.0000
24149	PM10 CEMENT PORTLAND	45.2031	277.0761	0.0000	0.0000	0.0000
24160	PM10 CHROMIUM-CR	0.0154	0.0987	0.0000	0.0000	0.0000
24170	PM10 COBALT-CO	0.0059	0.0381	0.0000	0.0000	0.0000
24310	PM10 LEAD-PB	0.0064	0.0409	0.0000	0.0000	0.0000
24350	PM10 MANGANESE-MN	0.0607	0.3897	0.0000	0.0000	0.0000
24390	PM10 NICKEL-NI	0.0086	0.0552	0.0000	0.0000	0.0000
24570	PM10 SAND	0.0390	0.2480	0.0000	0.0000	0.0000
24590	PM10 SELENIUM-SE	0.0107	0.0685	0.0000	0.0000	0.0000
24700	PM10 THALLIUM-TL	0.0023	0.0147	0.0000	0.0000	0.0000
24780	PM10 ZINC-ZN	0.1141	0.7323	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	66.4537	417.3087	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	3.4548	16.1084	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	0.0827	0.5195	0.0000	0.0000	0.0000
51473	DIETHYLENE GLYCOL	5.6853	35.7137	0.0000	0.0000	0.0000
51482	TRIETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51483	TETRAETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51484	PENTAETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	5.0226	32.2354	0.0000	0.0000	0.0000
52282	TRIETHANOLAMINE	0.0000	0.0000	0.0000	0.0000	0.0000
52400	AROMATICS-U	0.1200	0.0876	0.0000	0.0000	0.0000
52420	BENZENE	2.1209	13.6121	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.1148	0.7366	0.0000	0.0000	0.0000
52480	STYRENE	0.2620	1.6814	0.0000	0.0000	0.0000
52490	TOLUENE	0.7260	4.6594	0.0000	0.0000	0.0000
52510	XYLENE-U	0.1756	1.1272	0.0000	0.0000	0.0000
58840	TRIBUTYL PHOSPHATE	0.2068	1.2986	0.0000	0.0000	0.0000
59003	GASOLINE	0.1174	1.0944	0.0000	0.0000	0.0000
59150	DIESEL	0.0023	0.0188	0.0000	0.0000	0.0000
59875	POLYETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
70050	AMMONIA	1.6281	8.4790	0.0000	0.0000	0.0000
70200	HYDROGEN CHLORIDE	3.5891	23.0350	0.0000	0.0000	0.0000
70360	MERCURY VAPOR	0.0046	0.0267	0.0000	0.0000	0.0000
70400	NITROGEN OXIDES	449.3082	2906.9555	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	6.1220	31.5575	0.0000	0.0000	0.0000



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90300	CARBON MONOXIDE	67.8924	388.4859	0.0000	0.0486	0.0486

HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
14020	ANTIMONY-SB	0.0041	0.0263	0.0000	0.0000	0.0000
14030	ARSENIC - AS	0.0016	0.0104	0.0000	0.0000	0.0000
14070	BERYLLIUM-BE	0.0006	0.0039	0.0000	0.0000	0.0000
14110	CADMIUM-CD	0.0006	0.0037	0.0000	0.0000	0.0000
14160	CHROMIUM-CR	0.0154	0.0987	0.0000	0.0000	0.0000
14170	COBALT-CO	0.0059	0.0381	0.0000	0.0000	0.0000
14310	LEAD-PB	0.0064	0.0409	0.0000	0.0000	0.0000
14350	MANGANESE-MN	0.0607	0.3897	0.0000	0.0000	0.0000
14360	MERCURY-HG	0.0000	0.0000	0.0000	0.0000	0.0000
14390	NICKEL-NI	0.0086	0.0552	0.0000	0.0000	0.0000
14590	SELENIUM-SE	0.0107	0.0685	0.0000	0.0000	0.0000
24020	PM10 ANTIMONY-SB	0.0041	0.0263	0.0000	0.0000	0.0000
24030	PM10 ARSENIC - AS	0.0016	0.0104	0.0000	0.0000	0.0000
24070	PM10 BERYLLIUM-BE	0.0006	0.0039	0.0000	0.0000	0.0000
24110	PM10 CADMIUM-CD	0.0006	0.0037	0.0000	0.0000	0.0000
24160	PM10 CHROMIUM-CR	0.0154	0.0987	0.0000	0.0000	0.0000
24170	PM10 COBALT-CO	0.0059	0.0381	0.0000	0.0000	0.0000
24310	PM10 LEAD-PB	0.0064	0.0409	0.0000	0.0000	0.0000
24350	PM10 MANGANESE-MN	0.0607	0.3897	0.0000	0.0000	0.0000
24390	PM10 NICKEL-NI	0.0086	0.0552	0.0000	0.0000	0.0000
24590	PM10 SELENIUM-SE	0.0107	0.0685	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	0.0827	0.5195	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	5.0226	32.2354	0.0000	0.0000	0.0000
52420	BENZENE	2.1209	13.6121	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.1148	0.7366	0.0000	0.0000	0.0000
52480	STYRENE	0.2620	1.6814	0.0000	0.0000	0.0000
52490	TOLUENE	0.7260	4.6594	0.0000	0.0000	0.0000
52510	XYLENE-U	0.1756	1.1272	0.0000	0.0000	0.0000
70200	HYDROGEN CHLORIDE	3.5891	23.0350	0.0000	0.0000	0.0000
70360	MERCURY VAPOR	0.0046	0.0267	0.0000	0.0000	0.0000
Total		12.3275	79.1041	0.0000	0.0000	0.0000