



2023 CONTAMINANT SUMMARY REPORT

September 05, 2024

12:57 pm

CN : CN605862333

Organization : VOPAK INDUSTRIAL INFRASTRUCTURE AMERICAS FREEPORT I

RN : RN111204632

Account : BLA071T

Site : FREEPORT

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	0.0636	0.3483	0.0006	0.0000	0.0006
VOC	45.2940	251.7090	1.0187	0.6143	1.6330
CO	59.7322	327.2996	0.5003	0.0000	0.5003
NOX	11.5615	69.6301	0.9548	0.0000	0.9548
SO2	4.7961	26.2801	0.0103	0.0000	0.0103
PB	0.0000	0.0010	0.0000	0.0000	0.0000
PM10	0.0636	0.3483	0.0006	0.0000	0.0006

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Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
10000	PART-U	0.0636	0.3483	0.0006	0.0000	0.0006
11100	AMMONIUM COMPOUNDS-U	0.0000	0.0000	0.0000	0.0000	0.0000
14000	PART-MINERAL-U	0.0000	0.0000	0.0000	0.0000	0.0000
14310	LEAD-PB	0.0000	0.0010	0.0000	0.0000	0.0000
14360	MERCURY-HG	0.0000	0.0000	0.0000	0.0000	0.0000
14630	SODIUM HYDROXIDE, NAOH	0.0000	0.0000	0.0000	0.0000	0.0000
14639	SODIUM BOROHRIDE	0.0000	0.0000	0.0000	0.0000	0.0000
20000	PM10 PART-U	0.0636	0.3483	0.0006	0.0000	0.0006
24639	PM10 SODIUM BOROHRIDE	0.0000	0.0000	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	0.0636	0.3483	0.0006	0.0000	0.0006
50001	VOC-UNCLASSIFIED	2.0669	10.3929	0.0000	0.0023	0.0023
51121	ACETATE-U	0.0000	0.0000	0.0000	0.0000	0.0000
51400	ALCOHOLS-U	0.0000	0.0000	0.0000	0.0000	0.0000
51427	1-BUTOXY-2-PROPANOL	0.0000	0.0000	0.0000	0.0000	0.0000
51430	2- BUTOXYETHANOL	2.3234	12.7310	0.0000	0.0000	0.0000
51470	GLYCOLS-U	4.4410	24.3349	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	3.5788	19.6214	0.0010	0.0000	0.0010
51472	PROPYLENE GLYCOL	12.6998	69.6865	0.0003	0.0000	0.0003
51473	DIETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51478	METHOXY-2-ACETOXYPROPANE, 1-	2.2688	12.4320	0.0000	0.0000	0.0000
51479	DIPROPYLENE GLYCOL	5.3453	29.3120	0.0000	0.0000	0.0000
51492	POLYOL	0.0121	0.0474	0.0003	0.0000	0.0003
51680	FORMALDEHYDE	0.0000	0.0000	0.0000	0.0000	0.0000
51820	ACETYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
52002	DIPHENYL ETHER	1.1679	6.4175	0.0000	0.0000	0.0000
52200	AMINES-U	0.0000	0.0000	0.0000	0.0000	0.0000
52220	ANILINE-U	0.2994	1.6565	0.0009	0.0554	0.0563
52256	AMINOETHYLETHANOLAMINE	0.0000	0.0000	0.0000	0.0000	0.0000



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52260	DIMETHYLAMINE	0.0000	0.0000	0.0000	0.0000	0.0000
52279	MONOETHANOLAMINE	2.0414	11.1854	0.0000	0.0000	0.0000
52280	ETHANOLAMINE	0.0000	0.0000	0.0000	0.0000	0.0000
52400	AROMATICS-U	0.0009	0.0098	0.0000	0.0000	0.0000
52420	BENZENE	0.0007	0.0033	0.0000	0.0000	0.0000
52441	2,6-DI-TERT-BUTYL-P-CRESOL	0.0000	0.0000	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0001	0.0001	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0002	0.0010	0.0000	0.0000	0.0000
52475	BIPHENYL	1.1744	6.4421	0.0000	0.0059	0.0059
52480	STYRENE	0.0003	0.0003	0.0000	0.0000	0.0000
52490	TOLUENE	0.0003	0.0016	0.0000	0.0000	0.0000
52500	ISOCYANATES-U	0.0000	0.0000	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0002	0.0002	0.0000	0.0000	0.0000
52836	PROPYLENE GLYCOL PHENYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
52910	EPOCHLOROHYDRIN	0.0104	0.0876	0.0000	0.0000	0.0000
52940	METHYL PROPYL ETHER	2.2688	12.4320	0.0000	0.0000	0.0000
53325	1,3 - DICHLOROPROPYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
53337	DICHLOROPROPANE 1,2	0.2285	2.9611	0.0000	0.0000	0.0000
55150	1,3- BUTADIENE	0.1737	0.6294	0.0112	0.5288	0.5400
55176	1-BUTENE	0.0331	0.0864	0.0000	0.0000	0.0000
55177	CIS-2-BUTENE	0.0048	0.0140	0.0000	0.0000	0.0000
55179	TRANS-2-BUTENE	0.0000	0.0000	0.0000	0.0000	0.0000
55225	DICYCLOPENTADIENE	0.0003	0.0017	0.0000	0.0000	0.0000
55300	ETHYLENE	0.0001	0.0000	0.0000	0.0000	0.0000
55600	PROPYLENE	0.9852	3.2411	0.5283	0.0011	0.5294
56550	ETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
56590	HEXENE	1.2929	8.3793	0.0067	0.0208	0.0275
56625	ISOBUTANE	0.0608	0.2011	0.0000	0.0000	0.0000
56673	OCTENE	0.4084	2.8571	0.0000	0.0000	0.0000
56725	N BUTANE	0.6079	4.3412	0.0000	0.0000	0.0000
56750	PENTANE	0.6072	4.2750	0.0000	0.0000	0.0000
56775	PROPANE	0.7574	4.8162	0.0000	0.0000	0.0000
58400	VOC - OXYGENATED-U	0.0000	0.0000	0.0000	0.0000	0.0000
58480	PROPYLENE OXIDE	0.4209	3.0579	0.0000	0.0000	0.0000
58999	AROMATIC PETROLEUM DISTILLATE LIGHT	0.0000	0.0000	0.0000	0.0000	0.0000
59150	DIESEL	0.0010	0.0053	0.0000	0.0000	0.0000
59200	FUEL OIL-U	0.0000	0.0000	0.0000	0.0000	0.0000
59800	NAPHTHA,COAL-TAR	0.0107	0.0467	0.4700	0.0000	0.4700



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60000	METHANE	0.0000	0.0000	0.0000	0.0000	0.0000
70400	NITROGEN OXIDES	11.5615	69.6301	0.9548	0.0000	0.9548
70403	NITROUS OXIDE	0.0066	0.0378	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	4.7961	26.2801	0.0103	0.0000	0.0103
90100	CARBON DIOXIDE	0.0000	0.0000	0.0000	0.0000	0.0000
90300	CARBON MONOXIDE	59.7322	327.2996	0.5003	0.0000	0.5003

HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
14310	LEAD-PB	0.0000	0.0010	0.0000	0.0000	0.0000
14360	MERCURY-HG	0.0000	0.0000	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	3.5788	19.6214	0.0010	0.0000	0.0010
51680	FORMALDEHYDE	0.0000	0.0000	0.0000	0.0000	0.0000
52420	BENZENE	0.0007	0.0033	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0001	0.0001	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0002	0.0010	0.0000	0.0000	0.0000
52475	BIPHENYL	1.1744	6.4421	0.0000	0.0059	0.0059
52480	STYRENE	0.0003	0.0003	0.0000	0.0000	0.0000
52490	TOLUENE	0.0003	0.0016	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0002	0.0002	0.0000	0.0000	0.0000
52910	EPICHLOROHYDRIN	0.0104	0.0876	0.0000	0.0000	0.0000
53325	1,3 - DICHLOROPROPYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
53337	DICHLOROPROPANE 1,2	0.2285	2.9611	0.0000	0.0000	0.0000
55150	1,3- BUTADIENE	0.1737	0.6294	0.0112	0.5288	0.5400
58480	PROPYLENE OXIDE	0.4209	3.0579	0.0000	0.0000	0.0000
Total		5.5885	32.8070	0.0122	0.5347	0.5469