



# 2023 CONTAMINANT SUMMARY REPORT

September 12, 2024

2:03 pm

**CN :** CN600124895

**Organization :** BASF CORPORATION

**RN :** RN100218049

**Account :** BL00210

**Site :** FREEPORT SITE

**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	144.7836	790.8931	0.0000	0.0000	0.0000
VOC	135.6793	769.3241	0.0000	1.3000	1.3000
CO	170.5233	1066.0834	0.0000	0.2800	0.2800
NOX	448.0967	2462.2942	0.0000	0.2900	0.2900
SO2	164.9500	856.8769	0.0000	0.0000	0.0000
PB	0.0051	0.0250	0.0000	0.0000	0.0000
PM10	163.5424	889.6270	0.0000	0.0300	0.0300

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Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
10000	PART-U	175.5981	957.1776	0.0000	0.0300	0.0300
11115	AMMONIUM SULFATE NH42S04	0.2450	1.6600	0.0000	0.0000	0.0000
11160	HYDROCHLORIC ACID	0.5696	3.2160	0.0000	0.0000	0.0000
11165	NITRIC ACID	1.1032	6.4701	0.0000	0.0000	0.0000
11482	PHENOLTHIAZINE	0.0356	0.1978	0.0000	0.0000	0.0000
14020	ANTIMONY-SB	0.0083	0.0403	0.0000	0.0000	0.0000
14030	ARSENIC - AS	0.0043	0.0231	0.0000	0.0000	0.0000
14050	BARIUM - BA	0.0001	0.0004	0.0000	0.0000	0.0000
14070	BERYLLIUM-BE	0.0007	0.0035	0.0000	0.0000	0.0000
14110	CADMIUM-CD	0.0001	0.0005	0.0000	0.0000	0.0000
14126	CALCIUM OXIDE-CAO	0.0273	0.1399	0.0000	0.0000	0.0000
14160	CHROMIUM-CR	0.0288	0.1519	0.0000	0.0000	0.0000
14170	COBALT-CO	0.0001	0.0004	0.0000	0.0000	0.0000
14190	COPPER-CU	0.0180	0.1009	0.0000	0.0000	0.0000
14300	IRON-FE	0.0588	0.3019	0.0000	0.0000	0.0000
14310	LEAD-PB	0.0051	0.0250	0.0000	0.0000	0.0000
14335	MAGNESIUM-MG	0.0028	0.0146	0.0000	0.0000	0.0000
14350	MANGANESE-MN	0.0437	0.2463	0.0000	0.0000	0.0000
14360	MERCURY-HG	0.0005	0.0024	0.0000	0.0000	0.0000
14380	MOLYBDENUM-MO	0.0038	0.0195	0.0000	0.0000	0.0000
14390	NICKEL-NI	0.0187	0.0925	0.0000	0.0000	0.0000
14460	PHOSPHORUS-P	0.0274	0.1408	0.0000	0.0000	0.0000
14467	PHTHALIC ACID	0.0086	0.0420	0.0000	0.0000	0.0000
14480	POTASSIUM-K	0.0217	0.1116	0.0000	0.0000	0.0000
14590	SELENIUM-SE	0.0297	0.1471	0.0000	0.0000	0.0000
14620	SODIUM-NA	1.4736	7.5628	0.0000	0.0000	0.0000
14650	STRONTIUM-SR	0.0002	0.0010	0.0000	0.0000	0.0000
14720	TIN-SN	0.0326	0.1676	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)
14730	TITANIUM-TI	0.0039	0.0202	0.0000	0.0000	0.0000
14760	VANADIUM	0.0004	0.0019	0.0000	0.0000	0.0000
14780	ZINC-ZN	0.0442	0.2485	0.0000	0.0000	0.0000
20000	PM10 PART-U	163.5399	889.6136	0.0000	0.0300	0.0300
21482	PM10 PHENOLTHIAZINE	0.0025	0.0134	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	144.7836	790.8931	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	10.3188	54.6004	0.0000	0.2100	0.2100
51110	TOLUENESULFONIC ACID, P-	0.0003	0.0012	0.0000	0.0000	0.0000
51115	DODECYL BENZENESULFONIC ACID	0.0028	0.0111	0.0000	0.0000	0.0000
51120	ACETIC ACID	0.7240	3.0187	0.0000	0.0000	0.0000
51135	BUTYRIC ACID	0.0019	0.0109	0.0000	0.0000	0.0000
51140	ACRYLIC ACID	5.2245	28.7550	0.0000	0.0100	0.0100
51180	FORMIC ACID	0.2492	1.4129	0.0000	0.0000	0.0000
51200	MALEIC ACID	0.1877	0.9208	0.0000	0.0000	0.0000
51220	PROPIONIC ACID	1.9088	10.4596	0.0000	0.0000	0.0000
51360	VALERIC ACID	0.0014	0.0076	0.0000	0.0000	0.0000
51400	ALCOHOLS-U	0.0105	0.0516	0.0000	0.0000	0.0000
51420	AMYL ALCOHOL	0.0008	0.0045	0.0000	0.0000	0.0000
51440	N-BUTYL ALCOHOL	4.8138	29.0404	0.0000	0.6800	0.6800
51450	CYCLOHEXANOL	0.6486	4.4208	0.0000	0.0600	0.0600
51453	CYCLOPENTANOL	0.0002	0.0010	0.0000	0.0000	0.0000
51472	PROPYLENE GLYCOL	1.6650	9.1272	0.0000	0.0000	0.0000
51477	PROPANEDIOL 1,3	0.0156	0.1531	0.0000	0.0000	0.0000
51490	ISOBUTANOL	0.9951	7.0514	0.0000	0.0000	0.0000
51510	ISOPROPANOL	1.1787	6.9229	0.0000	0.0000	0.0000
51521	ETHYL HEXANOL 2	1.7262	9.8730	0.0000	0.0000	0.0000
51530	METHANOL	3.3330	30.5673	0.0000	0.0300	0.0300
51550	PHENOL	0.0037	0.0249	0.0000	0.0000	0.0000
51590	TERT BUTYL ALCOHOL	0.0010	0.0050	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	0.0118	0.0669	0.0000	0.0000	0.0000
51640	ACROLEIN	0.1274	0.5875	0.0000	0.0000	0.0000
51649	BENZOIC ACID	0.0282	0.1388	0.0000	0.0000	0.0000
51650	BENZALDEHYDE	0.0039	0.0173	0.0000	0.0000	0.0000
51660	BUTYRALDEHYDE	0.7245	4.9846	0.0000	0.0700	0.0700
51661	ISOBUTYRALDEHYDE	0.3794	2.0788	0.0000	0.0000	0.0000
51671	ETHYL-3-PROPYL ACROLEIN, 2-	0.0053	0.0294	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.6990	2.9687	0.0000	0.0000	0.0000
51700	FURFURAL	0.0009	0.0042	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)
51721	PROPIONALDEHYDE	0.0489	0.2762	0.0000	0.0000	0.0000
51740	VALERALDEHYDE	0.0001	0.0005	0.0000	0.0000	0.0000
52002	DIPHENYL ETHER	0.1206	1.1084	0.0000	0.0000	0.0000
52200	AMINES-U	0.0288	0.1512	0.0000	0.0000	0.0000
52295	DIMETHYL GLUTARATE	0.0007	0.0000	0.0000	0.0000	0.0000
52340	TRIMETHYLAMINE	2.3230	22.6662	0.0000	0.0000	0.0000
52400	AROMATICS-U	0.0175	0.0939	0.0000	0.0000	0.0000
52420	BENZENE	1.1735	6.4045	0.0000	0.0000	0.0000
52475	BIPHENYL	0.8902	5.1805	0.0000	0.0000	0.0000
52480	STYRENE	0.0611	0.3327	0.0000	0.0000	0.0000
52490	TOLUENE	0.0004	0.0013	0.0000	0.0000	0.0000
52600	ESTERS-U	0.2382	1.4103	0.0000	0.0000	0.0000
52620	AMYL ACETATE	0.0037	0.0202	0.0000	0.0000	0.0000
52630	PROPYL ACETATE	0.0286	0.1567	0.0000	0.0000	0.0000
52639	BUTYL ETHER, N-	0.0157	0.0855	0.0000	0.0000	0.0000
52640	BUTYL ACETATE	0.0530	0.2890	0.0000	0.0000	0.0000
52650	ACRYLATES	0.0861	0.4365	0.0000	0.0000	0.0000
52660	BUTYL ACRYLATE	2.5236	19.6560	0.0000	0.0000	0.0000
52670	N-BUTYL FORMATE	0.1388	0.7606	0.0000	0.0000	0.0000
52702	ETHYLHEXYL ACRYLATE 2	0.1656	1.2624	0.0000	0.0000	0.0000
52780	METHYL METHACRYLATE	0.1195	0.6512	0.0000	0.0000	0.0000
52782	DIMETHYL PHTHALATE	0.3871	2.1393	0.0000	0.0000	0.0000
52784	METHYL FORMATE	0.0050	0.0311	0.0000	0.0000	0.0000
52796	PROPYL PROPIONATE	0.0049	0.0269	0.0000	0.0000	0.0000
52800	ETHERS-U	0.0016	0.0096	0.0000	0.0000	0.0000
53471	FLUOROTRICHLOROMETHANE	0.0328	0.1805	0.0000	0.0000	0.0000
54020	ACETONE	0.0133	0.0802	0.0000	0.0000	0.0000
54040	CYCLOHEXANONE	9.5059	55.8099	0.0000	0.0800	0.0800
54041	CYCLOPENTANONE	0.0006	0.0032	0.0000	0.0000	0.0000
54065	METHYL ETHYL KETONE	0.0058	0.0335	0.0000	0.0000	0.0000
55175	BUTENE	0.3863	2.1173	0.0000	0.0000	0.0000
55300	ETHYLENE	0.9701	6.3961	0.0000	0.0000	0.0000
55380	ACRYLONITRILE MONOMER	0.0700	0.3810	0.0000	0.0000	0.0000
55600	PROPYLENE	6.5348	33.5909	0.0000	0.0000	0.0000
56050	CYCLOHEXANE	8.2366	47.2865	0.0000	0.1400	0.1400
56550	ETHANE	1.4093	7.1866	0.0000	0.0000	0.0000
56575	HEPTANE	0.5447	2.9973	0.0000	0.0000	0.0000
56600	HEXANE	0.8644	4.3145	0.0000	0.0000	0.0000



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56625	ISOBUTANE	0.0290	0.1687	0.0000	0.0000	0.0000
56674	OCTANE	0.0017	0.0140	0.0000	0.0000	0.0000
56680	DECANE	0.0208	0.1104	0.0000	0.0000	0.0000
56700	ISO PENTANE	0.0071	0.0455	0.0000	0.0000	0.0000
56725	N BUTANE	4.5746	24.7163	0.0000	0.0100	0.0100
56750	PENTANE	1.9896	10.3463	0.0000	0.0100	0.0100
56775	PROPANE	3.5040	18.3019	0.0000	0.0000	0.0000
58220	CAPROLACTAM	45.8462	241.1092	0.0000	0.0000	0.0000
58379	ACRYLAMIDE	0.0099	0.0537	0.0000	0.0000	0.0000
58460	MALEIC ANHYDRIDE	0.0827	0.1910	0.0000	0.0000	0.0000
58470	PHTHALIC ANHYDRIDE	0.0125	0.0699	0.0000	0.0000	0.0000
58817	HEXAMETHYLCYCLOTRISILOXANE	0.0094	0.0514	0.0000	0.0000	0.0000
59000	VOC GAS MIXTURE-U	9.0579	50.8167	0.0000	0.0000	0.0000
59150	DIESEL	0.0016	0.0132	0.0000	0.0000	0.0000
60000	METHANE	31.1371	221.1428	0.0000	0.0000	0.0000
70030	HYDROGEN	173.6759	999.0604	0.0000	0.0000	0.0000
70050	AMMONIA	7.3939	39.0184	0.0000	1.0700	1.0700
70110	CHLORINE	0.2539	1.3897	0.0000	0.0000	0.0000
70400	NITROGEN OXIDES	434.0720	2395.7614	0.0000	0.2900	0.2900
70401	NITRIC OXIDE	14.0247	66.5328	0.0000	0.0000	0.0000
70403	NITROUS OXIDE	1.3353	8.1713	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	164.9500	856.8769	0.0000	0.0000	0.0000
70515	SULFUR TRIOXIDE	1.7022	8.3828	0.0000	0.0000	0.0000
70516	SULFURIC ACID VAPOR	0.1326	0.7352	0.0000	0.0000	0.0000
80500	NITROGEN	805740.2658	3844066.6842	0.0000	0.0000	0.0000
90100	CARBON DIOXIDE	693212.0324	4113447.4076	0.0000	0.0000	0.0000
90300	CARBON MONOXIDE	170.5233	1066.0834	0.0000	0.2800	0.2800



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## HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
11160	HYDROCHLORIC ACID	0.5696	3.2160	0.0000	0.0000	0.0000
11482	PHENOLTHIAZINE	0.0356	0.1978	0.0000	0.0000	0.0000
14020	ANTIMONY-SB	0.0083	0.0403	0.0000	0.0000	0.0000
14030	ARSENIC - AS	0.0043	0.0231	0.0000	0.0000	0.0000
14070	BERYLLIUM-BE	0.0007	0.0035	0.0000	0.0000	0.0000
14110	CADMIUM-CD	0.0001	0.0005	0.0000	0.0000	0.0000
14160	CHROMIUM-CR	0.0288	0.1519	0.0000	0.0000	0.0000
14170	COBALT-CO	0.0001	0.0004	0.0000	0.0000	0.0000
14310	LEAD-PB	0.0051	0.0250	0.0000	0.0000	0.0000
14350	MANGANESE-MN	0.0437	0.2463	0.0000	0.0000	0.0000
14360	MERCURY-HG	0.0005	0.0024	0.0000	0.0000	0.0000
14390	NICKEL-NI	0.0187	0.0925	0.0000	0.0000	0.0000
14460	PHOSPHORUS-P	0.0274	0.1408	0.0000	0.0000	0.0000
14590	SELENIUM-SE	0.0297	0.1471	0.0000	0.0000	0.0000
21482	PM10 PHENOLTHIAZINE	0.0025	0.0134	0.0000	0.0000	0.0000
51140	ACRYLIC ACID	5.2245	28.7550	0.0000	0.0100	0.0100
51530	METHANOL	3.3330	30.5673	0.0000	0.0300	0.0300
51550	PHENOL	0.0037	0.0249	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	0.0118	0.0669	0.0000	0.0000	0.0000
51640	ACROLEIN	0.1274	0.5875	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.6990	2.9687	0.0000	0.0000	0.0000
51721	PROPIONALDEHYDE	0.0489	0.2762	0.0000	0.0000	0.0000
52420	BENZENE	1.1735	6.4045	0.0000	0.0000	0.0000
52475	BIPHENYL	0.8902	5.1805	0.0000	0.0000	0.0000
52480	STYRENE	0.0611	0.3327	0.0000	0.0000	0.0000
52490	TOLUENE	0.0004	0.0013	0.0000	0.0000	0.0000
52780	METHYL METHACRYLATE	0.1195	0.6512	0.0000	0.0000	0.0000
52782	DIMETHYL PHTHALATE	0.3871	2.1393	0.0000	0.0000	0.0000
55380	ACRYLONITRILE MONOMER	0.0700	0.3810	0.0000	0.0000	0.0000
56600	HEXANE	0.8644	4.3145	0.0000	0.0000	0.0000
58379	ACRYLAMIDE	0.0099	0.0537	0.0000	0.0000	0.0000
58460	MALEIC ANHYDRIDE	0.0827	0.1910	0.0000	0.0000	0.0000
58470	PHTHALIC ANHYDRIDE	0.0125	0.0699	0.0000	0.0000	0.0000
70110	CHLORINE	0.2539	1.3897	0.0000	0.0000	0.0000
Total		14.1486	88.6568	0.0000	0.0400	0.0400