



2023 CONTAMINANT SUMMARY REPORT

June 20, 2024

2:15 pm

CN : CN600130850

Organization : CELANESE LTD

RN : RN100227016

Account : HG0126Q

Site : CLEAR LAKE 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	51.3877	288.5857	0.0000	0.0000	0.0000
VOC	89.5117	474.8675	0.0000	2.7159	2.7159
CO	151.1085	639.5372	0.0000	7.5774	7.5774
NOX	63.4860	311.9116	0.0000	1.0223	1.0223
SO2	7.5374	41.2887	0.0000	0.0295	0.0295
PM10	55.9870	313.7708	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)
10000	PART-U	56.6891	317.4921	0.0000	0.0000	0.0000
14140	CARBON-C	0.0000	0.0000	0.0000	0.0000	0.0000
14641	SULFATES-U	0.0000	0.0000	0.0000	0.0000	0.0000
20000	PM10 PART-U	55.9870	313.7708	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	51.3877	288.5857	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	7.7220	42.2917	0.0000	0.0000	0.0000
51120	ACETIC ACID	11.0867	57.8048	0.0000	0.0529	0.0529
51140	ACRYLIC ACID	0.0566	0.3102	0.0000	0.0000	0.0000
51220	PROPIONIC ACID	0.0122	0.0585	0.0000	0.0000	0.0000
51460	ETHANOL	0.2112	1.1575	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	2.4475	12.8750	0.0000	0.8943	0.8943
51472	PROPYLENE GLYCOL	0.2828	1.2031	0.0000	0.0000	0.0000
51473	DIETHYLENE GLYCOL	0.0641	0.3516	0.0000	0.0643	0.0643
51482	TRIETHYLENE GLYCOL	0.0024	0.0129	0.0000	0.0000	0.0000
51510	ISOPROPNOL	0.0005	0.0022	0.0000	0.0000	0.0000
51530	METHANOL	5.8731	31.5275	0.0000	0.3104	0.3104
51600	ALDEHYDES-U	0.0001	0.0003	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	2.4375	12.9523	0.0000	0.0000	0.0000
51640	ACROLEIN	0.0023	0.0122	0.0000	0.0000	0.0000
51670	CROTONALDEHYDE	0.0001	0.0003	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0068	0.0375	0.0000	0.0000	0.0000
51810	ALKANES-U	0.0055	0.0300	0.0000	0.0000	0.0000
51820	ACETYLENE	0.2800	1.5342	0.0000	0.0000	0.0000
52420	BENZENE	0.0459	0.2517	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0224	0.0951	0.0000	0.0000	0.0000
52490	TOLUENE	0.0005	0.0022	0.0000	0.0000	0.0000
52510	XYLENE-U	0.1040	0.4423	0.0000	0.0000	0.0000
52680	ETHYL ACETATE	0.4354	2.3650	0.0000	0.0000	0.0000
52700	ETHYL ACRYLATE	0.0000	0.0001	0.0000	0.0000	0.0000



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52719	ETHYL PROPIONATE	0.0012	0.0063	0.0000	0.0000	0.0000
52760	METHYL ACETATE	3.1091	17.0134	0.0000	0.0174	0.0174
52784	METHYL FORMATE	0.1825	0.5135	0.0000	0.0025	0.0025
52787	VINYL PROPIONATE	0.0027	0.0150	0.0000	0.0000	0.0000
52879	DIMETHYL ETHER	0.0601	0.1782	0.0000	0.0015	0.0015
52891	VINYL ACETATE	13.3145	62.3671	0.0000	0.1498	0.1498
53260	ETHYL CHLORIDE	0.0006	0.0027	0.0000	0.0000	0.0000
53575	METHYL IODIDE	0.1814	0.9213	0.0000	0.0270	0.0270
54020	ACETONE	0.6038	2.8673	0.0000	0.0000	0.0000
54065	METHYL ETHYL KETONE	0.0135	0.0575	0.0000	0.0000	0.0000
55150	1,3- BUTADIENE	0.0271	0.1485	0.0000	0.0000	0.0000
55176	1-BUTENE	0.0283	0.1551	0.0000	0.0000	0.0000
55300	ETHYLENE	15.7218	84.9708	0.0000	0.3723	0.3723
55600	PROPYLENE	0.0213	0.1167	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0006	0.0027	0.0000	0.0000	0.0000
56550	ETHANE	16.2163	88.8575	0.0000	0.0000	0.0000
56600	HEXANE	1.6591	9.0912	0.0000	0.0000	0.0000
56625	ISOBUTANE	0.2533	1.3884	0.0000	0.0000	0.0000
56700	ISO PENTANE	0.0214	0.1174	0.0000	0.0000	0.0000
56725	N BUTANE	0.6689	3.6655	0.0000	0.0002	0.0002
56750	PENTANE	0.4337	2.3765	0.0000	0.0001	0.0001
56775	PROPANE	2.3238	9.1740	0.0000	0.0004	0.0004
58240	HYDROGEN CYANIDE GAS	0.0000	0.0000	0.0000	0.0000	0.0000
58440	ETHYLENE OXIDE	1.0867	5.9551	0.0000	0.8427	0.8427
58775	CARBONYL SULFIDE	0.0000	0.0000	0.0000	0.0000	0.0000
59000	VOC GAS MIXTURE-U	21.9929	125.5554	0.0000	0.0000	0.0000
59003	GASOLINE	0.0677	0.3710	0.0000	0.0000	0.0000
59005	KEROSENE	0.5312	2.9110	0.0000	0.0000	0.0000
59150	DIESEL	0.0003	0.0019	0.0000	0.0000	0.0000
70050	AMMONIA	25.3307	222.3252	0.0000	0.0002	0.0002
70120	IODINE	0.0000	0.0000	0.0000	0.0000	0.0000
70275	HYDROGEN IODIDE	0.0000	0.0000	0.0000	0.0000	0.0000
70300	HYDROGEN SULFIDE	0.0000	0.0000	0.0000	0.0000	0.0000
70400	NITROGEN OXIDES	63.4860	311.9116	0.0000	1.0223	1.0223
70403	NITROUS OXIDE	0.4605	2.5895	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	7.5374	41.2887	0.0000	0.0295	0.0295
90300	CARBON MONOXIDE	151.1085	639.5372	0.0000	7.5774	7.5774



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51140	ACRYLIC ACID	0.0566	0.3102	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	2.4475	12.8750	0.0000	0.8943	0.8943
51530	METHANOL	5.8731	31.5275	0.0000	0.3104	0.3104
51620	ACETALDEHYDE	2.4375	12.9523	0.0000	0.0000	0.0000
51640	ACROLEIN	0.0023	0.0122	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0068	0.0375	0.0000	0.0000	0.0000
52420	BENZENE	0.0459	0.2517	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0224	0.0951	0.0000	0.0000	0.0000
52490	TOLUENE	0.0005	0.0022	0.0000	0.0000	0.0000
52510	XYLENE-U	0.1040	0.4423	0.0000	0.0000	0.0000
52700	ETHYL ACRYLATE	0.0000	0.0001	0.0000	0.0000	0.0000
52891	VINYL ACETATE	13.3145	62.3671	0.0000	0.1498	0.1498
53260	ETHYL CHLORIDE	0.0006	0.0027	0.0000	0.0000	0.0000
53575	METHYL IODIDE	0.1814	0.9213	0.0000	0.0270	0.0270
55150	1,3- BUTADIENE	0.0271	0.1485	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0006	0.0027	0.0000	0.0000	0.0000
56600	HEXANE	1.6591	9.0912	0.0000	0.0000	0.0000
58240	HYDROGEN CYANIDE GAS	0.0000	0.0000	0.0000	0.0000	0.0000
58440	ETHYLENE OXIDE	1.0867	5.9551	0.0000	0.8427	0.8427
58775	CARBONYL SULFIDE	0.0000	0.0000	0.0000	0.0000	0.0000
Total		27.2666	136.9947	0.0000	2.2242	2.2242