

Emissions Variance Report

Facility Name: Western Ky University

Facility ID: 2122700012

AI ID: 11402

4/12/2023

Page 1 of 2

Pollutant Desc	CAS	Previous Year Actual (tons/year)	Current Year Actual (tons/year)	% Change
Antimony (and Compounds)	92	0	0	0
Arsenic (and Compounds)	93	0	0	0
Arsenic, Total (as As)	07440-38-2	0.00000053	0.00000060	13.21
Benzene	00071-43-2	0.00039445	0.00017710	-55.10
Beryllium, Total	07440-41-7	0.00000003	0.00000004	33.33
CO (Carbon Monoxide)	00630-08-0	9.00615010	10.29840175	14.35
Cadmium, Total (as Cd)	07440-43-9	0.00000292	0.00000330	13.01
Carbon Dioxide	00124-38-9	12,394.83976915	14,533.02832260	17.25
Chromium	07440-47-3	0	0	0
Chromium, Total (as Cr)	07440-47-3	0.00000371	0.00000420	13.21
Cobalt (and Compounds)	139	0	0	0
Cobalt, Total	07440-48-4	0.00000022	0.00000025	13.64
Formaldehyde	00050-00-0	0.00394375	0.00090125	-77.15
Hydrochloric Acid	07647-01-0	0	0	0
Hydrofluoric Acid	07664-39-3	0	0	0
Lead, Total (as Pb)	07439-92-1	0.00066145	0.00071197	7.64
Manganese	07439-96-5	0	0	0
Manganese, Total (as Mn)		0.00000101	0.00000114	12.87
Mercury (and Compounds)	199	0	0	0
Mercury, Total (as Hg)	07439-97-6	0.00000069	0.00000078	13.04
Methane	00074-82-8	0.56416000	0.42215155	-25.17
NO2 (Nitrogen Dioxide)	10102-44-0	8.44722655	10.30277470	21.97
Nickel, Total (as Ni)	07440-02-0	0.00000557	0.00000630	13.11
Nitrous Oxide	10024-97-2	0.13674230	0.18280586	33.69
PM10 (Particulate Matter - 10 Microns Or Less)	PM10-FIL	0.82917315	0.98466060	18.75
PM2.5 (Particulate Matter - 2.5 Microns Or Less)	PM25-FIL	0.82917315	0.98466060	18.75
PT (Particulate Matter)	PM-FIL	0.82957215	0.98541660	18.79

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SO2 (Sulfur Dioxide)	07446-09-5	0.12865280	0.13694915	6.45
Selenium, Total (as Se)	07782-49-2	0.00000006	0.00000007	16.67
Toluene	00108-88-3	0.00013965	0.00006270	-55.10
VOC (Volatile Organic Compounds)	VOC	0.89155435	0.98818370	10.84
Xylenes (Total)	01330-20-7	0.00004900	0.00002200	-55.10