



South Coast Air Quality Management District

**Tesoro Carson Refinery (formerly BP Carson)
2022 Rule 1118 Quarterly Flare Emissions**

Emission Target

2022 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)
95,200	18,020.9

Quarter I (January 1, 2022 - March 31, 2022):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	11,983,369	91.0	1,553.9	143.8	445.0	9.9
FFHDS	4,240,392	31.8	551.3	29.7	148.4	3.5
HC	8,996,492	67.5	1,169.5	63.0	314.9	7.5
FCC	5,185,430	38.9	674.1	36.3	181.5	4.3
S. Flare-Coker	8,901,500	66.8	1,157.2	62.3	311.6	7.4
Total	39,307,183	296	5,106	335	1,401	33

Quarter II (April 1, 2022 - June 30, 2022):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	12,165,246	91.7	1,579.2	107.0	435.0	10.2
FFHDS	4,265,152	32.0	554.5	29.9	149.3	3.5
HC	9,139,920	68.5	1,188.2	64.0	319.9	7.6
FCC	5,271,110	39.5	685.2	36.9	184.5	4.4
S.Flare-Coker	9,054,196	67.9	1,177.0	63.5	316.9	7.5
Total	39,895,625	299.7	5,184.2	301.2	1,405.6	33.2

Quarter III (July 1, 2022 - September 30, 2022):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	12,307,616.0	149.4	2,589.3	139.4	697.1	16.5
FFHDS	62,828,235.8	1,277.2	3,730.6	40,486.9	19,217.3	6,479.1
HC	12,668,621.3	183.8	2,093.4	2,458.4	1,629.2	13.0
FCC	5,355,317.9	66.5	1,142.5	92.2	321.3	8.0
S.Flare-Coker	9,164,892.7	121.6	2,101.7	128.2	572.5	13.6
Total	102,324,684	1798.6	11657.4	43305.2	22437.4	6530.2

Quarter IV (October 1, 2022 - December 31, 2022):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	21,416,402	286.1	2096.6	6123.3	3260.4	436.8
FFHDS	42,082,230	826.3	2034.2	27901.8	13240.2	10257.4
HC	25,959,941	421.2	1,772.8	10927.8	5423.9	601.3
FCC	5,389,569	41.7	697.2	123.8	226.1	21.0
S.Flare-Coker	9,074,539	69.0	1176.0	116.1	340.0	108.4
Total	103,922,681	1644.4	7776.9	45192.7	22490.6	11424.9