

**Table A1
Motorcross Park Riverside
Onsite Track Operational Emissions**

Operation	Emission Factor	Units	Equation Variables		Emissions								
			1	Hours or Miles Per Day	PM-10 lbs/day	PM-2.5 lbs/day	ROG lbs/day	CO lbs/day	NOX lbs/day	SOX lbs/day	CO2 lbs/day	CH4 lbs/day	
Equipment Exhaust Emissions				Equipment #									
PM-10 & PM-2.5	Dozer	0.0630	lbs/hr	1	4	0.252	0.232						
	Tractor	0.0378	lbs/hr	1	4	0.151	0.139						
	Water truck	0.0139	lbs/hr	1	6	0.083	0.077						
ROG	Dozer	0.2118	lbs/hr	1	4			0.85					
	Tractor	0.1049	lbs/hr	1	4			0.42					
	Water truck	0.0563	lbs/hr	1	6			0.34					
CO	Dozer	0.8006	lbs/hr	1	4				3.20				
	Tractor	0.5260	lbs/hr	1	4				2.10				
	Water truck	0.3508	lbs/hr	1	6				2.10				
NOX	Dozer	1.5773	lbs/hr	1	4					6.31			
	Tractor	0.6772	lbs/hr	1	4					2.71			
	Water truck	0.3519	lbs/hr	1	6					2.11			
										0.00			
SOX	Dozer	0.0025	lbs/hr	1	4						0.01		
	Tractor	0.0013	lbs/hr	1	4						0.01		
	Water truck	0.0013	lbs/hr	1	6						0.01		
											0.00		
CO2	Dozer	239.00	lbs/hr	1	4							956.0	
	Tractor	114.00	lbs/hr	1	4							456.0	
	Water Truck	122.00	lbs/hr	1	6							732.0	
CH4	Dozer	0.0191	lbs/hr	1	4								0.08
	Tractor	0.0095	lbs/hr	1	4								0.04
	Water Truck	0.00510	lbs/hr	1	6								0.03
Total (lbs/day)						0.49	0.45	1.60	7.41	11.13	0.02	2,144	0.15
						Annual Metric Tons of CO2e (MTCO2e)						355.71	57.28

Emission Sources: SCAQMD Offroad Mobile Source Emissions Factors 2020
PM2.5 fraction of PM10 Exhaust is 0.92 (CEIDARS List)

Motorcycles estimated are based on 96 laps per day or 6,990 miles/day. This represents an "Event Day". Event days occur 20 days a year. Therefore, this is a worst case daily assumption.

**Table A2
Motorcross Park Riverside
On-Site Motorcycles Emissions**

Operation		Emission Factor	Units	Equation Variables		Emissions								
				1	2	PM-10 lbs/day	PM-2.5 lbs/day	ROG lbs/day	CO lbs/day	NOX lbs/day	SOX lbs/day	CO2 lbs/day	CH4 lbs/day	
Vehicle Emissions On-site				hours per day	vmt									
PM-10	Motorcycles	0.00005	lbs/mile		6,990	0.350								
PM-2.5	Motorcycles	0.00005	lbs/mile		6,990		0.350							
ROG	Motorcycles	0.00510	lbs/mile		6990			35.6						
CO	Motorcycles	0.00360	lbs/mile		6990				25.16					
NOX	Motorcycles	0.00210	lbs/mile		6990					14.68				
CO2	Motorcycles	0.48000	lbs/mile		6990							3,355		
CH4	Motorcycles	0.00077	lbs/mile		6990									5.38
					Total	0.35	0.35	35.65	25.16	14.68	Negl	3,355.20	5.38	
											Annual Metric Tons of CO2e (MTCO2e)		556.7	22.3

Source:

Motorcycle Emissions Factors: EMVAC2017 (year 2020)

Notes:

PM2.5 fraction of PM10 Exhaust is 0.92 (CEIDARS List)

vmt = miles driven on-site

Motorcycles estimated are based on 96 laps per day or 6,990 miles/day. This represents an "Event Day". Event days occur 20 days a year. Therefore, this is a worst case daily assumption.