

**Altamont Motorsports Park
Existing Race Scenario**

Total Race Cars	50
Track Length (mi)	0.5

Qualifying Round

Qualifying Cars	50
Laps per Car	20
Total Qualifying VMT	500

Heat Races

Heat 1 Cars	50
Heat 1 Laps per Car	40
Total Heat 1 VMT	1,000

Heat 2 Cars	42
Heat 2 (Last Chance)	
Laps per Car	40
Total Heat 2 VMT	840

Main Event

Main Event Cars	50
Main Event Laps	80
Total Main Event VMT	2,000

Total Daily Race Car VMT	4,340
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Existing Trip Distance and Air Basin Distribution

Existing Altmont Motorsports Track Visitor Distance Distribution

		35 mi	100 mi	200 mi
Number of Racecars	50			
Total Spectators	5500			
Total Participants	500			
Number of Participants (LDT/MDV/LHD)	50		25	13
Number of Participants (LDA/LDT)	132		66	33
Number of Spectators (LDA/LDT)	2000		1000	500
Number of Employees (LDA/LDT)	150		150	

Radii Distribution

35 mile	50%
100 mile	25%
200 mile	25%

Air Basin Distribution

	35 mi	100 mi	200 mi
SFBAAB	50%	20%	0%
SJVAB	50%	35%	40%
SVAB	0%	35%	40%
SCCAB	0%	0%	10%
NCCAB	0%	10%	10%

SFBAAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB	50	102		880.00	2,323.20	35,200.00	3,750.00
SJVAB	3	3	3	65.63	173.25	2,625.00	225.00
SVAB		3	3	28.13	74.25	1,125.00	
SCCAB			86	107.50	283.80	4,300.00	
NCCAB		86	86	215.00	567.60	8,600.00	
Total SFBAAB VMT				1,296.25	3,422.10	51,850.00	3,975.00

SJVAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB				0.00	0.00	0.00	0.00
SJVAB	37	93	182	1,779.38	4,697.55	71,175.00	2,775.00
SVAB		51	65	548.13	1,447.05	21,925.00	
SCCAB				0.00	0.00	0.00	
NCCAB				0.00	0.00	0.00	
Total SJVAB VMT				2,327.50	6,144.60	93,100.00	2,775.00

SVAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB				0.00	0.00	0.00	
SJVAB				0.00	0.00	0.00	
SVAB		43	143	903.13	2,384.25	36,125.00	
SCCAB				0.00	0.00	0.00	
NCCAB				0.00	0.00	0.00	
Total SVAB VMT				903.13	2,384.25	36,125.00	0.00

SCCAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB				0.00	0.00	0.00	
SJVAB				0.00	0.00	0.00	
SVAB				0.00	0.00	0.00	
SCCAB			42	52.50	138.60	2,100.00	
NCCAB				0.00	0.00	0.00	
Total SCCAB VMT				52.50	138.60	2,100.00	0.00

NCCAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB				0.00	0.00	0.00	
SJVAB				0.00	0.00	0.00	
SVAB				0.00	0.00	0.00	
SCCAB			106	132.50	349.80	5,300.00	
NCCAB		22	79	125.63	331.65	5,025.00	
Total NCCAB VMT				258.13	681.45	10,325.00	0.00

Existing Operational Emissions

Altamont Motorsports Park: Existing Conditions
San Francisco Bay Area Air Basin Emissions

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	3,422.1						
	Emission Factor	g/mile	0.31	0.55	5.65	0.004	0.02	0.00
	Daily Emissions	lb/day	4.74	8.26	85.20	0.06	0.23	3.93
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	1,296.3						
	Emission Factor	g/mile	0.34	0.82	6.28	0.005	0.02	0.00
	Daily Emissions	lb/day	1.93	4.66	35.92	0.03	0.12	2.62
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	51,850.0						
	Emission Factor	g/mile	0.31	0.55	5.65	0.00	0.02	0.00
	Daily Emissions	lb/day	71.84	125.09	1290.87	0.98	3.54	59.50
Employees	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	3,975.0						
	Emission Factor	g/mile	0.31	0.55	5.65	0.00	0.02	0.00
	Daily Emissions	lb/day	5.51	9.59	98.96	0.07	0.27	4.56
Race Cars	Vehicle Type	LDA						
	VMT (Total)	4,340.0						
	Emission Factor	g/mile	8.33	5.13	91.55	0.01	0.04	0.00014
	Daily Emissions	lb/day	79.75	49.12	875.94	0.06	0.36	0.63
TOTAL BASIN EMISSIONS			163.76	196.71	2386.89	1.21	4.53	71.24

Altamont Motorsports Park: Existing Conditions
San Joaquin Valley Area Air Basin Emissions

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	6,144.6						
	Emission Factor	g/mile	0.31	0.58	5.91	0.004	0.02	0.00
	Daily Emissions	lb/day	8.35	15.76	160.12	0.11	0.46	7.05
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	2,327.5						
	Emission Factor	g/mile	0.40	0.99	7.22	0.005	0.02	0.00
	Daily Emissions	lb/day	4.06	10.21	74.13	0.05	0.24	4.70
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	93,100.0						
	Emission Factor	g/mile	0.31	0.58	5.91	0.00	0.02	0.00
	Daily Emissions	lb/day	126.45	238.81	2426.02	1.68	7.02	106.84
Employees	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	2,775.0						
	Emission Factor	g/mile	0.31	0.58	5.91	0.00	0.02	0.00
	Daily Emissions	lb/day	3.77	7.12	72.31	0.05	0.21	3.18
Race Cars	Vehicle Type	LDA	No racing will occur in the San Joaquin Valley Air Basin.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
TOTAL BASIN EMISSIONS			142.63	271.90	2732.57	1.90	7.94	121.78

**Altamont Motorsports Park: Existing Conditions
Sacramento Valley Air Basin Emissions**

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	2,384.3						
	Emission Factor	g/mile	0.31	0.56	5.69	0.004	0.02	0.00
	Daily Emissions	lb/day	3.21	5.92	59.86	0.04	0.17	2.74
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	903.1						
	Emission Factor	g/mile	0.37	0.96	6.75	0.005	0.02	0.00
	Daily Emissions	lb/day	1.49	3.83	26.87	0.02	0.09	1.83
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	36,125.0						
	Emission Factor	g/mile	0.31	0.56	5.69	0.004	0.02	0.00
	Daily Emissions	lb/day	48.63	89.66	907.00	0.66	2.57	41.46
Employees	Vehicle Type	LDA/LDT	All employees are assumed to come from the SFBAAB or SJVAB.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
Race Cars	Vehicle Type	LDA	No racing will occur within the Sacramento Valley Air Basin.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
TOTAL BASIN EMISSIONS			53.33	99.41	993.73	0.72	2.83	46.02

Altamont Motorsports Park: Existing Conditions
South Central Coast Area Air Basin Emissions

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	138.6						
	Emission Factor	g/mile	0.30	0.56	5.58	0.00	0.01	0.00
	Daily Emissions	lb/day	0.19	0.34	3.41	0.00	0.01	0.16
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	52.5						
	Emission Factor	g/mile	0.35	0.92	6.38	0.00	0.02	0.00
	Daily Emissions	lb/day	0.08	0.21	1.48	0.00	0.00	0.11
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	2,100.0						
	Emission Factor	g/mile	0.30	0.56	5.58	0.00	0.01	0.00
	Daily Emissions	lb/day	2.81	5.17	51.70	0.04	0.13	2.41
Employees	Vehicle Type	LDA/LDT	All employees are assumed to come from the SFBAAB or SJVAB.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
Race Cars	Vehicle Type	LDA	No racing will occur within the South Central Coast Air Basin.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
TOTAL BASIN EMISSIONS			3.07	5.72	56.59	0.04	0.14	2.68

**Altamont Motorsports Park: Existing Conditions
North Central Coast Air Basin Emissions**

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	681.5						
	Emission Factor	g/mile	0.45	0.80	7.69	0.00	0.02	0.00
	Daily Emissions	lb/day	1.35	2.40	23.11	0.01	0.06	1.13
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	258.1						
	Emission Factor	g/mile	0.47	1.13	8.27	0.01	0.03	0.00
	Daily Emissions	lb/day	0.54	1.28	9.41	0.01	0.03	0.75
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	10,325.0						
	Emission Factor	g/mile	0.45	0.80	7.69	0.00	0.02	0.00
	Daily Emissions	lb/day	20.51	36.31	350.19	0.19	0.93	17.05
Employees	Vehicle Type	LDA/LDT	All employees are assumed to come from the SFBAAB or SJVAB.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
Race Cars	Vehicle Type	LDA	No racing will occur within the North Central Coast Air Basin.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
TOTAL BASIN EMISSIONS			22.40	39.99	382.71	0.21	1.02	18.92

**Altamont Motorsports Park: Existing Conditions
Entrained Road Dust Calculations**

	k	sL	W	VMT	Paved (lb/VMT)	Total (lbs)
SFBAAB						
LDA/LDT	0.016	0.02	2.4	118,494.20	0.0006	67.99
LDT/MDV/LHDT	0.016	0.02	3.5	2,592.50	0.0010	2.62
Race Cars	0.016	0.035	0.75	4,340.00	0.0001	0.63
Total						71.24
SJVAB						
LDA/LDT	0.016	0.02	2.4	204,039.20	0.0006	117.08
LDT/MDV/LHDT	0.016	0.02	3.5	4,655.00	0.0010	4.70
Total						121.78
SVAB						
LDA/LDT	0.016	0.02	2.4	77,018.50	0.0006	44.19
LDT/MDV/LHDT	0.016	0.02	3.5	1,806.25	0.0010	1.83
Total						46.02
SCCAB						
LDA/LDT	0.016	0.02	2.4	4,477.20	0.0006	2.57
LDT/MDV/LHDT	0.016	0.02	3.5	105.00	0.0010	0.11
Total						2.68
NCCAB						
LDA/LDT	0.016	0.035	2.4	22,012.90	0.0008	18.17
LDT/MDV/LHDT	0.016	0.035	3.5	516.25	0.0015	0.75
Total						18.92

Existing Recreational Vehicle Emissions

**Altamont Motorsports Park: Existing Conditions
Existing Recreational Vehicle Generator Emissions**

Generators
 Rating: 6 KW
 8 HP
 Operating Hours 6.0 hr/day
 Number of Units 24 Generator sets

	ROG	NOx	CO	SOx	PM10	CO ₂
gm/hr	8.7	55.4	37.7	0.005	3.47	4,621.90
lb/hr	0.46	2.93	1.99	0.00	0.18	244.55
lb/day	2.77	17.60	11.96	0.00	1.10	1467.27
lb/yr	11.09	70.39	47.83	0.01	4.40	5,869.09
metric tons/yr						2.66

Notes:

1. Emission factors (except SOx) based on EPA/CARB emission standards for 2008 MY generators < 11 HP.
2. Emission Factor for SOx is based on 15 ppm (0.0015%) S and fuel usage of 0.4 lb/HP-hr.
3. Emission factor for CO₂ is based AP-42, Chapter 3.3, Table 3.3.-1.

Proposed Race Scenario

**Altamont Motorsports Park
Proposed Race Scenario**

Total Race Cars	50
Track Length (mi)	0.5

Qualifying Round

Qualifying Cars	50
Laps per Car	20
Total Qualifying VMT	500

Heat Races

Heat 1 Cars	50
Heat 1 Laps per Car	40
Total Heat 1 VMT	1,000

Heat 2 Cars	42
Heat 2 (Last Chance)	
Laps per Car	40
Total Heat 2 VMT	840

Main Event

Main Event Cars	50
Main Event Laps	80
Total Main Event VMT	2,000

Total Daily Race Car VMT 4,340

Total Drifting Cars	24
Track Length (mi)	1.1

Round 1

Cars	24
Laps per Car	1

Round 2

Cars	12
Laps per Car	2

Round 3

Cars	6
Laps per Car	2

Round 4

Cars	2
Laps per Car	2

Round 5

Cars	2
Laps per Car	2

Drifting VMT 74.8

Proposed Trip Distance and Air Basin Distribution

Proposed Almont Motorsports Track Visitor Distance Distribution

		35 mi	100 mi	200 mi	
Number of Racecars	50				
Total Spectators	7350				
Total Participants	500				
Number of Participants (LDT/MDV/LHD)	50		25	13	13
Number of Participants (LDA/LDT)	132		66	33	33
Number of Spectators (LDA/LDT)	2673		1336.5	668	668
Number of Employees (LDA/LDT)	150		150		150

Radii Distribution

35 mile	50%
100 mile	25%
200 mile	25%

Air Basin Distribution

	35 mi	100 mi	200 mi
SFBAAB	50%	20%	0%
SJVAB	50%	35%	40%
SVAB	0%	35%	40%
SCCAB	0%	0%	10%
NCCAB	0%	10%	10%

SFBAAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB	50	102		880.00	2,323.20	47,044.80	3,750.00
SJVAB	3	3	3	65.63	173.25	3,508.31	225.00
SVAB		3	3	28.13	74.25	1,503.56	
SCCAB			86	107.50	283.80	5,746.95	
NCCAB		86	86	215.00	567.60	11,493.90	
Total SFBAAB VMT				1,296.25	3,422.10	69,297.53	3,975.00

SJVAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB				0.00	0.00	0.00	0.00
SJVAB	37	93	182	1,779.38	4,697.55	95,125.39	2,775.00
SVAB		51	65	548.13	1,447.05	29,302.76	
SCCAB				0.00	0.00	0.00	
NCCAB				0.00	0.00	0.00	
Total SJVAB VMT				2,327.50	6,144.60	124,428.15	2,775.00

SVAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB				0.00	0.00	0.00	
SJVAB				0.00	0.00	0.00	
SVAB		43	143	903.13	2,384.25	48,281.06	
SCCAB				0.00	0.00	0.00	
NCCAB				0.00	0.00	0.00	
Total SVAB VMT				903.13	2,384.25	48,281.06	0.00

SCCAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB				0.00	0.00	0.00	
SJVAB				0.00	0.00	0.00	
SVAB				0.00	0.00	0.00	
SCCAB			42	52.50	138.60	2,806.65	
NCCAB				0.00	0.00	0.00	
Total SCCAB VMT				52.50	138.60	2,806.65	0.00

NCCAB	Average Distance (miles)			Total Distance (miles)			
	35 mi	100 mi	200 mi	Participants LDT/MDV/LHD	Participants LDA/LDT	Spectators LDA/LDT	Employees (LDA/LDT)
SFBAAB				0.00	0.00	0.00	
SJVAB				0.00	0.00	0.00	
SVAB				0.00	0.00	0.00	
SCCAB			106	132.50	349.80	7,083.45	
NCCAB		22	79	125.63	331.65	6,715.91	
Total NCCAB VMT				258.13	681.45	13,799.36	0.00

Proposed Operational Emissions

Altamont Motorsports Park: Proposed Conditions
San Francisco Bay Area Air Basin Emissions

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	3,422.1						
	Emission Factor	g/mile	0.28	0.50	5.18	0.004	0.02	0.00
	Daily Emissions	lb/day	4.26	7.53	78.12	0.06	0.24	3.93
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	1,296.3						
	Emission Factor	g/mile	0.31	0.76	5.88	0.005	0.02	0.00
	Daily Emissions	lb/day	1.78	4.35	33.61	0.03	0.13	2.62
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	69,297.5						
	Emission Factor	g/mile	0.28	0.50	5.18	0.00	0.02	0.00
	Daily Emissions	lb/day	86.26	152.41	1581.95	1.31	4.87	79.52
Employees	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	3,975.0						
	Emission Factor	g/mile	0.28	0.50	5.18	0.00	0.02	0.00
	Daily Emissions	lb/day	4.95	8.74	90.74	0.07	0.28	4.56
Race Cars	Vehicle Type	LDA						
	VMT	4,340.0						
	Emission Factor	g/mile	8.46	5.12	91.90	0.01	0.04	0.0006
	Daily Emissions	lb/day	80.95	49.03	879.31	0.06	0.35	2.64
Drifting	Vehicle Type	LDA						
	VMT	68						
	Emission Factor	g/mile	8.46	5.12	91.90	0.01	0.04	
	Daily Emissions	lb/day	1.27	0.77	13.78	0.00	0.01	19.15
TOTAL BASIN EMISSIONS			179.47	222.84	2677.52	1.54	5.88	112.42

Altamont Motorsports Park: Proposed Conditions
San Joaquin Valley Area Air Basin Emissions

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	6,144.6						
	Emission Factor	g/mile	0.28	0.53	5.44	0.004	0.02	0.00
	Daily Emissions	lb/day	7.50	14.46	147.42	0.11	0.47	7.05
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	2,327.5						
	Emission Factor	g/mile	0.36	0.93	6.68	0.005	0.02	0.00
	Daily Emissions	lb/day	3.70	9.52	68.59	0.05	0.25	4.70
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	124,428.2						
	Emission Factor	g/mile	0.28	0.53	5.44	0.00	0.02	0.00
	Daily Emissions	lb/day	151.97	292.86	2985.33	2.24	9.54	142.79
Employees	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	2,775.0						
	Emission Factor	g/mile	0.28	0.53	5.44	0.00	0.02	0.00
	Daily Emissions	lb/day	3.39	6.53	66.58	0.05	0.21	3.18
Race Cars	Vehicle Type	LDA	No racing will occur in the San Joaquin Valley Air Basin.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
TOTAL BASIN EMISSIONS			166.56	323.37	3267.92	2.46	10.47	157.73

**Altamont Motorsports Park: Proposed Conditions
Sacramento Valley Air Basin Emissions**

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	2,384.3						
	Emission Factor	g/mile	0.27	0.51	5.23	0.004	0.02	0.00
	Daily Emissions	lb/day	2.88	5.41	54.99	0.04	0.17	2.74
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	903.1						
	Emission Factor	g/mile	0.34	0.89	6.24	0.01	0.02	0.00
	Daily Emissions	lb/day	1.35	3.56	24.85	0.02	0.09	1.83
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	48,281.1						
	Emission Factor	g/mile	0.27	0.51	5.23	0.00	0.02	0.00
	Daily Emissions	lb/day	58.34	109.59	1113.49	0.88	3.48	55.41
Employees	Vehicle Type	LDA/LDT	All employees are assumed to come from the SFBAAB or SJVAB.					
	Vehicle Number							
	Trips		No racing will occur within the Sacramento Valley Air Basin.					
	VMT (One-way)							
Race Cars	Vehicle Type	LDA	No racing will occur within the Sacramento Valley Air Basin.					
	Vehicle Number							
	Trips		No racing will occur within the Sacramento Valley Air Basin.					
	VMT (One-way)							
	Emission Factor	g/mile	No racing will occur within the Sacramento Valley Air Basin.					
	Daily Emissions	lb/day						
TOTAL BASIN EMISSIONS			62.58	118.57	1193.32	0.94	3.74	59.97

Altamont Motorsports Park: Proposed Conditions
South Central Coast Area Air Basin Emissions

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	138.6						
	Emission Factor	g/mile	0.27	0.51	5.13	0.00	0.01	0.00
	Daily Emissions	lb/day	0.17	0.31	3.13	0.00	0.01	0.16
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	52.5						
	Emission Factor	g/mile	0.32	0.86	5.94	0.00	0.02	0.00
	Daily Emissions	lb/day	0.07	0.20	1.38	0.00	0.00	0.11
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	2,806.7						
	Emission Factor	g/mile	0.27	0.51	5.13	0.00	0.01	0.00
	Daily Emissions	lb/day	3.37	6.34	63.43	0.05	0.18	3.22
Employees	Vehicle Type	LDA/LDT	All employees are assumed to come from the SFBAAB or SJVAB.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
Race Cars	Vehicle Type	LDA	No racing will occur within the South Central Coast Air Basin.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
TOTAL BASIN EMISSIONS			3.61	6.85	67.94	0.05	0.19	3.49

**Altamont Motorsports Park: Proposed Conditions
North Central Coast Air Basin Emissions**

Person Type	Parameter	Factor	ROG	NOx	CO	SOx	PM10 (Exh)	PM10 (Dust)
Participants	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	681.5						
	Emission Factor	g/mile	0.41	0.74	7.13	0.00	0.02	0.00
	Daily Emissions	lb/day	1.23	2.22	21.42	0.01	0.06	1.13
Participants	Vehicle Type	LDT/MDV/LHD						
	Trips	2						
	VMT (One-way)	258.1						
	Emission Factor	g/mile	0.44	1.07	7.81	0.01	0.03	0.00
	Daily Emissions	lb/day	0.50	1.22	8.89	0.01	0.03	0.75
Spectators	Vehicle Type	LDA/LDT						
	Trips	2						
	VMT (One-way)	13,799.4						
	Emission Factor	g/mile	0.41	0.74	7.13	0.00	0.02	0.00
	Daily Emissions	lb/day	24.91	45.03	433.79	0.25	1.25	22.78
Employees	Vehicle Type	LDA/LDT	All employees are assumed to come from the SFBAAB or SJVAB.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
Race Cars	Vehicle Type	LDA	No racing will occur within the North Central Coast Air Basin.					
	Vehicle Number							
	Trips							
	VMT (One-way)							
	Emission Factor	g/mile						
	Daily Emissions	lb/day						
TOTAL BASIN EMISSIONS			26.64	48.48	464.10	0.27	1.35	24.66

**Altamont Motorsports Park: Proposed Conditions
Entrained Road Dust Calculations and Drifting Emissions**

	k	sL	W	VMT	Paved (lb/VMT)	Total (lbs)
SFBAAB						
LDA/LDT	0.016	0.02	2.4	153,389.25	0.0006	88.01
LDT/MDV/LHDT	0.016	0.02	3.5	2,592.50	0.0010	2.62
Race Cars	0.016	0.32	0.75	4,340.00	0.0006	21.79
Total						112.42
SJVAB						
LDA/LDT	0.016	0.02	2.4	266,695.50	0.0006	153.03
LDT/MDV/LHDT	0.016	0.02	3.5	4,655.00	0.0010	4.70
Total						157.73
SVAB						
LDA/LDT	0.016	0.02	2.4	101,330.63	0.0006	58.14
LDT/MDV/LHDT	0.016	0.02	3.5	1,806.25	0.0010	1.83
Total						59.97
SCCAB						
LDA/LDT	0.016	0.02	2.4	5,890.50	0.0006	3.38
LDT/MDV/LHDT	0.016	0.02	3.5	105.00	0.0010	0.11
Total						3.49
NCCAB						
LDA/LDT	0.016	0.035	2.4	28,961.63	0.0008	23.91
LDT/MDV/LHDT	0.016	0.035	3.5	516.25	0.0015	0.75
Total						24.66

Drifting Emissions

PM Emissions	
1000 miles/day	564
tons/day	0.005
g/mile	0.0080
Average Tire Lifetime	
(miles)	45,000
Number of Drifting Vehicles	
(vehicles/day)	24
PM Emissions per Racecar	
(lbs/day)	0.80
Total Drifting PM	
(lbs/day)	19.15

Proposed Recreational Vehicle Emissions

**Altamont Motorsports Park: Proposed Conditions
Recreational Vehicle Generator Emissions**

Generators
 Rating: 6 KW
 8 HP
 Operating Hours 6.0 hr/day
 Number of Units 80 Generator sets

	ROG	NOx	CO	SOx	PM10	CO ₂
gm/hr	8.7	55.4	37.7	0.005	3.47	4,621.90
lb/hr	1.54	9.78	6.64	0.00	0.61	815.15
lb/day	9.25	58.65	39.86	0.01	3.67	4890.90
lb/yr	123.27	782.06	531.48	0.07	48.90	65,212.06
metric tons/yr						29.58

Notes:

1. Emission factors (except SOx) based on EPA/CARB emission standards for 2008 MY generators < 11 HP.
2. Emission Factor for SOx is based on 15 ppm (0.0015%) S and fuel usage of 0.4 lb/HP-hr.
3. Emission factor for CO₂ is based AP-42, Chapter 3.3, Table 3.3.-1.