

Attachment C-2

Construction Emissions for the Eastern Alternative

Table Eastern-1
Summary of Peak Daily Construction Emissions, Eastern Alternative

Source	CO (lbs/day)	VOC (lbs/day)	NO_x (lbs/day)	SO_x (lbs/day)	PM₁₀ (lbs/day)
Conveyance Facility					
Construction Equipment Exhaust	1,640.0	581.7	989.7	87.9	63.1
Motor Vehicles	898.8	95.3	948.7	6.3	44.7
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	11,952.3
Subtotal	2,538.8	677.1	1,938.4	94.2	12,060.1
Cadiz Pumping Facility					
Construction Equipment Exhaust	240.2	75.4	68.9	6.2	1.7
Motor Vehicles	301.3	34.4	436.2	3.0	21.1
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	568.0
Subtotal	541.5	109.7	505.1	9.1	590.8
Spreading Basins					
Construction Equipment Exhaust	89.4	21.9	182.8	18.0	13.5
Motor Vehicles	136.3	14.6	147.6	1.0	7.0
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	1,963.7
Subtotal	225.7	36.5	330.4	18.9	1,984.1
Wellfield					
Construction Equipment Exhaust	88.6	19.0	153.7	13.6	2.3
Motor Vehicles	188.0	19.7	201.5	1.3	9.0
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	696.4
Subtotal	276.6	38.7	355.1	14.9	707.8
Power Transmission					
Construction Equipment Exhaust	36.3	4.2	78.6	6.9	0.3
Motor Vehicles	163.6	13.4	153.2	1.0	6.5
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	1,063.7
Subtotal	199.9	17.6	231.8	7.9	1,070.5
TOTAL	3,782.4	879.6	3,360.8	145.0	16,413.3
<i>Significance Level</i>	<i>548</i>	<i>137</i>	<i>137</i>	<i>137</i>	<i>82</i>
Significant? (Yes/No)	Yes	Yes	Yes	Yes	Yes

Table Eastern-3
Peak Daily Construction Emissions by Month, Eastern Alternative (lb/day)

CO	Source	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																			
Construction Equipment Exhaust		1,617.4	1,582.1	1,519.2	1,640.0	1,559.5	1,546.2	1,613.0	1,582.1	1,519.2	1,546.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles		890.9	885.5	817.2	898.8	864.8	852.1	863.8	879.1	817.2	852.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		2,508.3	2,467.6	2,336.4	2,538.8	2,424.3	2,398.3	2,476.8	2,461.2	2,336.4	2,398.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																			
Construction Equipment Exhaust		17.5	294.2	240.2	240.2	240.2	148.1	168.4	71.7	22.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles		248.3	297.9	295.8	301.3	301.3	292.6	307.5	273.2	255.8	241.7	234.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		265.8	592.1	536.0	541.5	541.5	440.7	475.8	344.9	278.7	248.5	234.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Construction Equipment Exhaust		106.3	113.0	120.9	89.4	122.5	157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles		139.0	139.0	157.0	136.3	177.3	203.4	73.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		245.3	252.0	277.8	225.7	299.8	360.5	73.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																			
Construction Equipment Exhaust		27.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	0.0
Motor Vehicles		129.6	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	177.8
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		157.0	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	177.8
Power Transmission																			
Construction Equipment Exhaust		5.0	16.7	18.5	36.3	36.3	31.2	31.2	31.2	17.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles		80.2	120.0	116.8	163.6	145.2	141.2	141.2	141.2	121.8	94.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		85.2	136.6	135.2	199.9	181.5	172.4	172.4	172.4	139.7	96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		3,261.6	3,724.9	3,562.1	3,782.4	3,723.6	3,648.5	3,475.1	3,255.1	3,031.4	3,019.5	510.9	276.6	276.6	276.6	276.6	276.6	276.6	177.8

VOC	Source	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																			
Construction Equipment Exhaust		573.5	581.7	561.9	581.6	573.6	570.9	572.6	581.7	561.9	570.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles		96.0	95.3	89.6	96.6	93.6	92.5	93.7	94.8	89.6	92.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		669.5	677.1	651.5	678.3	667.2	663.5	666.3	676.5	651.5	663.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																			
Construction Equipment Exhaust		4.5	75.4	67.0	67.0	67.0	62.1	68.8	30.3	5.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles		30.2	34.4	34.2	34.7	34.7	34.0	35.3	32.3	30.8	29.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		34.7	109.7	101.2	101.7	101.7	96.0	104.1	62.6	36.5	30.8	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Construction Equipment Exhaust		20.7	21.9	24.4	15.8	24.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles		14.6	14.6	16.1	14.2	17.6	19.7	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		35.3	36.5	40.5	30.0	41.5	53.7	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																			
Construction Equipment Exhaust		6.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	0.0
Motor Vehicles		14.8	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	18.9
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		21.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	18.9
Power Transmission																			
Construction Equipment Exhaust		1.0	4.2	5.5	10.0	10.0	8.0	8.0	8.0	4.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles		10.0	13.4	13.1	17.2	15.6	15.2	15.2	15.2	13.5	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		11.0	17.6	18.6	27.2	25.6	23.3	23.3	23.3	18.1	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		771.8	879.6	850.5	875.8	874.7	875.2	841.4	801.1	744.8	744.4	67.6	38.7	38.7	38.7	38.7	38.7	38.7	18.9

**Table Eastern-3
Peak Daily Construction Emissions by Month, Eastern Alternative (lb/day)**

NO _x																		
Source	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																		
Construction Equipment Exhaust	927.1	901.0	749.9	989.7	838.4	819.0	920.6	901.0	749.9	819.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	946.6	942.7	922.4	948.7	936.4	932.6	938.4	940.8	922.4	932.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	1,873.7	1,843.7	1,672.3	1,938.4	1,774.8	1,751.6	1,859.1	1,841.8	1,672.3	1,751.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																		
Construction Equipment Exhaust	36.9	140.8	68.9	68.9	68.9	54.6	106.4	20.2	54.0	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	421.7	435.8	434.9	436.2	436.2	433.7	438.0	427.6	422.5	418.8	416.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	458.6	576.6	503.8	505.1	505.1	488.3	544.4	447.7	476.5	432.9	416.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																		
Construction Equipment Exhaust	225.4	239.4	259.3	182.8	255.2	336.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	150.6	150.6	155.9	147.6	159.9	167.6	129.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	376.1	390.0	415.2	330.4	415.1	504.4	129.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																		
Construction Equipment Exhaust	51.4	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7
Motor Vehicles	184.6	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	197.7
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	236.0	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	197.7
Power Transmission																		
Construction Equipment Exhaust	7.3	31.8	41.8	78.6	78.6	63.9	63.9	63.9	36.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	127.5	140.5	138.8	153.2	147.4	145.6	145.6	145.6	139.9	131.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	134.8	172.3	180.6	231.8	226.0	209.5	209.5	209.5	176.7	133.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3,079.1	3,337.8	3,127.1	3,360.8	3,276.1	3,309.0	3,097.4	2,854.2	2,680.7	2,673.5	771.7	355.1	355.1	355.1	355.1	355.1	355.1	197.7

SO _x																		
Source	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																		
Construction Equipment Exhaust	82.5	78.1	64.9	87.9	72.6	70.9	81.9	78.1	64.9	70.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	6.3	6.3	6.2	6.3	6.3	6.2	6.3	6.3	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	88.8	84.3	71.1	94.2	78.9	77.1	88.2	84.3	71.1	77.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																		
Construction Equipment Exhaust	3.4	12.2	6.2	6.2	6.2	4.8	9.3	1.8	5.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	2.9	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	6.3	15.2	9.1	9.1	9.1	7.8	12.3	4.8	7.9	4.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																		
Construction Equipment Exhaust	22.2	23.4	25.2	18.0	24.3	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	23.2	24.4	26.2	18.9	25.3	32.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																		
Construction Equipment Exhaust	4.7	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
Motor Vehicles	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	5.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
Power Transmission																		
Construction Equipment Exhaust	0.7	2.8	3.7	6.9	6.9	5.7	5.7	5.7	3.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	1.6	3.8	4.6	7.9	7.8	6.6	6.6	6.6	4.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	125.8	142.6	125.9	145.0	136.1	139.2	122.9	110.6	98.0	97.4	17.8	14.9	14.9	14.9	14.9	14.9	14.9	1.3

Table Eastern-3
Peak Daily Construction Emissions by Month, Eastern Alternative (lb/day)

PM₁₀																		
Source	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																		
Construction Equipment Exhaust	63.1	60.7	51.1	67.3	56.5	55.6	62.8	60.7	51.1	55.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	44.7	44.5	44.2	44.8	44.4	44.4	44.6	44.5	44.2	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	11,952.3	9,824.9	9,268.4	11,890.2	9,846.0	9,488.0	11,670.6	9,822.1	9,268.4	9,488.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	12,060.1	9,930.1	9,363.7	12,002.2	9,947.0	9,588.0	11,778.0	9,927.3	9,363.7	9,588.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																		
Construction Equipment Exhaust	1.7	9.2	4.7	4.7	4.7	3.8	7.2	1.5	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	21.1	21.3	21.3	21.3	21.3	21.2	21.3	21.1	21.0	21.0	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	568.0	346.6	332.9	363.9	363.9	340.5	523.6	186.3	562.7	156.1	110.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	590.8	377.2	358.8	389.9	389.9	365.6	552.1	209.0	586.3	177.7	131.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																		
Construction Equipment Exhaust	13.5	14.1	15.3	12.5	16.8	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	7.0	7.0	7.1	6.8	7.0	7.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	1,963.7	2,324.7	2,362.2	1,054.3	1,382.4	1,935.9	40.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	1,984.1	2,345.8	2,384.6	1,073.6	1,406.2	1,964.2	47.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																		
Construction Equipment Exhaust	2.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
Motor Vehicles	9.0	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
Fugitive PM10	696.4	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8	1,175.8
Subtotal	707.8	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7
Power Transmission																		
Construction Equipment Exhaust	0.3	1.8	2.6	4.7	4.7	3.7	3.7	3.7	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	6.5	6.8	6.7	7.0	6.9	6.8	6.8	6.8	6.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	1,063.7	1,266.0	1,242.5	1,610.6	1,561.7	1,547.9	1,547.9	1,547.9	1,335.5	1,098.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	1,070.5	1,274.6	1,251.9	1,622.3	1,573.3	1,558.5	1,558.5	1,558.5	1,344.4	1,104.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	16,413.3	15,121.4	14,552.7	16,281.8	14,510.1	14,670.0	15,129.5	12,888.4	12,488.1	12,064.3	1,325.1	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	1,193.7	832.5

Table Eastern-4
Construction Equipment Peak Daily Operating Hours and Emissions by Month, Eastern Alternative

Peak Daily Operating Hours

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
CONVEYANCE FACILITY																		
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Backhoe	60	68	52	52	76	52	52	68	52	52	0	0	0	0	0	0	0	0
Bedding Hopper/Conveyor System	36	36	36	36	36	36	36	36	36	36	0	0	0	0	0	0	0	0
Compactor (sheep-foot)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete Mixer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane	108	180	108	144	144	144	108	180	108	144	0	0	0	0	0	0	0	0
Dozer	36	0	0	36	0	0	36	0	0	0	0	0	0	0	0	0	0	0
Forklift	36	36	36	36	36	36	36	36	36	36	0	0	0	0	0	0	0	0
Front End Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Welding Machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generator	108	108	108	108	108	108	108	108	108	108	0	0	0	0	0	0	0	0
Grader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hand Held Vibrator Plate	108	108	108	108	108	108	108	108	108	108	0	0	0	0	0	0	0	0
Pile Hammer	36	36	36	36	36	36	36	36	36	36	0	0	0	0	0	0	0	0
Roller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tire Loader	108	108	108	108	108	108	108	108	108	108	0	0	0	0	0	0	0	0
Scraper	36	0	0	36	0	0	36	0	0	0	0	0	0	0	0	0	0	0
Tamping Spade	72	72	72	72	72	72	72	72	72	72	0	0	0	0	0	0	0	0
Truck Mounted Vertical Auger Drill	36	36	36	36	36	36	36	36	36	36	0	0	0	0	0	0	0	0
Vibrator Compactor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Well Driller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CADIZ PUMPING FACILITY																		
Air Compressor	0	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0
Backhoe	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bedding Hopper/Conveyor System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Compactor (sheep-foot)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete Mixer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane	0	24	24	24	24	18	45	9	0	0	0	0	0	0	0	0	0	0
Dozer	9	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Forklift	0	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0
Front End Loader	0	0	0	0	0	0	0	9	9	0	0	0	0	0	0	0	0	0
Gas Welding Machine	0	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Generator	0	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0
Grader	9	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Hand Held Vibrator Plate	0	18	18	18	18	18	18	9	0	0	0	0	0	0	0	0	0	0
Pile Hammer	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roller	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Rubber Tire Loader	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tamping Spade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Truck Mounted Vertical Auger Drill	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vibrator Compactor	0	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0
Well Driller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Eastern-4
Construction Equipment Peak Daily Operating Hours and Emissions by Month, Eastern Alternative

SPREADING BASINS																		
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Backhoe	0	0	0	9	18	27	0	0	0	0	0	0	0	0	0	0	0	0
Bedding Hopper/Conveyor System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Compactor (sheep-foot)	27	27	27	27	27	27	0	0	0	0	0	0	0	0	0	0	0	0
Concrete Mixer	0	0	18	18	18	18	0	0	0	0	0	0	0	0	0	0	0	0
Crane	0	0	9	27	45	63	0	0	0	0	0	0	0	0	0	0	0	0
Dozer	26	36	36	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
Forklift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Front End Loader	0	0	0	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0
Gas Welding Machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grader	36	36	36	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
Hand Held Vibrator Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pile Hammer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roller	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tire Loader	0	0	0	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0
Scraper	27	27	27	27	27	27	0	0	0	0	0	0	0	0	0	0	0	0
Tamping Spade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Truck Mounted Vertical Auger Drill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vibrator Compactor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Well Driller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WELLFIELD																		
Air Compressor	0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Backhoe	27	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Bedding Hopper/Conveyor System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Compactor (sheep-foot)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete Mixer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane	0	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Dozer	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0
Forklift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Front End Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Welding Machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grader	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0
Hand Held Vibrator Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pile Hammer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tire Loader	0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Scraper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tamping Spade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Truck Mounted Vertical Auger Drill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vibrator Compactor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Well Driller	0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Table Eastern-4
Construction Equipment Peak Daily Operating Hours and Emissions by Month, Eastern Alternative

POWER TRANSMISSION																		
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Backhoe	9	18	9	18	18	18	18	18	9	0	0	0	0	0	0	0	0	0
Bedding Hopper/Conveyor System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Compactor (sheep-foot)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete Mixer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane	0	9	18	27	27	18	18	18	9	0	0	0	0	0	0	0	0	0
Dozer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forklift	0	0	0	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0
Front End Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Welding Machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generator	0	0	0	18	18	27	27	27	18	9	0	0	0	0	0	0	0	0
Grader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hand Held Vibrator Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pile Hammer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tire Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tamping Spade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Truck Mounted Vertical Auger Drill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vibrator Compactor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Well Driller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Eastern-4
Construction Equipment Peak Daily Operating Hours and Emissions by Month, Eastern Alternative

Peak Daily CO Emissions

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility	1,617.4	1,582.1	1,519.2	1,640.0	1,559.5	1,546.2	1,613.0	1,582.1	1,519.2	1,546.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	17.5	294.2	240.2	240.2	240.2	148.1	168.4	71.7	22.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins	106.3	113.0	120.9	89.4	122.5	157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield	27.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
Power Transmission	5.0	16.7	18.5	36.3	36.3	31.2	31.2	31.2	17.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,773.5	2,094.7	1,987.4	2,094.6	2,047.1	1,971.2	1,901.2	1,773.6	1,648.6	1,643.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	76.1

Peak Daily VOC Emissions

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility	573.5	581.7	561.9	581.6	573.6	570.9	572.6	581.7	561.9	570.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	4.5	75.4	67.0	67.0	67.0	62.1	68.8	30.3	5.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins	20.7	21.9	24.4	15.8	24.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield	6.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.4
Power Transmission	1.0	4.2	5.5	10.0	10.0	8.0	8.0	8.0	4.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	606.2	702.2	677.8	693.4	693.5	694.0	668.5	639.1	591.2	591.4	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.4

Peak Daily NO_x Emissions

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility	927.1	901.0	749.9	989.7	838.4	819.0	920.6	901.0	749.9	819.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	36.9	140.8	68.9	68.9	68.9	54.6	106.4	20.2	54.0	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins	225.4	239.4	259.3	182.8	255.2	336.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield	51.4	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	124.1
Power Transmission	7.3	31.8	41.8	78.6	78.6	63.9	63.9	63.9	36.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,248.1	1,466.7	1,273.7	1,473.7	1,394.7	1,428.1	1,244.7	1,138.8	994.3	989.5	153.7	153.7	153.7	153.7	153.7	153.7	153.7	124.1

Peak Daily SO_x Emissions

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility	82.5	78.1	64.9	87.9	72.6	70.9	81.9	78.1	64.9	70.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	3.4	12.2	6.2	6.2	6.2	4.8	9.3	1.8	5.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins	22.2	23.4	25.2	18.0	24.3	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield	4.7	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	10.9
Power Transmission	0.7	2.8	3.7	6.9	6.9	5.7	5.7	5.7	3.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	113.5	130.1	113.4	132.5	123.5	126.6	110.5	99.1	86.6	86.0	13.6	13.6	13.6	13.6	13.6	13.6	13.6	10.9

Peak Daily PM₁₀ Emissions

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility	63.1	60.7	51.1	67.3	56.5	55.6	62.8	60.7	51.1	55.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	1.7	9.2	4.7	4.7	4.7	3.8	7.2	1.5	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins	13.5	14.1	15.3	12.5	16.8	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield	2.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	7.3
Power Transmission	0.3	1.8	2.6	4.7	4.7	3.7	3.7	3.7	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	80.9	94.4	82.3	97.8	91.2	92.9	82.3	74.5	64.3	65.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	7.3

Table Eastern-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Eastern Alternative

Off-Site Motor Vehicles, Peak Daily Number of Round Trips

Vehicle Type	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day	RT/Day
Conveyance Facility																		
Worker Commuting	208	212	172	212	200	192	192	208	172	192	0	0	0	0	0	0	0	0
Material Delivery Truck	168	168	168	168	168	168	168	168	168	168	0	0	0	0	0	0	0	0
Cadiz Pumping Facility																		
Worker Commuting	10	54	51	54	54	47	59	34	20	10	4	0	0	0	0	0	0	0
Material Delivery Truck	122	122	122	122	122	122	122	122	122	122	122	0	0	0	0	0	0	0
Spreading Basins																		
Worker Commuting	33	33	44	39	61	77	1	0	0	0	0	0	0	0	0	0	0	0
Material Delivery Truck	28	28	28	28	28	28	28	0	0	0	0	0	0	0	0	0	0	0
Wellfield																		
Worker Commuting	17	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	43
Material Delivery Truck	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
Power Transmission																		
Worker Commuting	4	22	21	43	34	33	33	33	23	11	0	0	0	0	0	0	0	0
Material Delivery Truck	26	26	26	26	26	26	26	26	26	26	0	0	0	0	0	0	0	0

Off-Site Motor Vehicles, Peak Daily VMT on Paved Roads

Vehicle Type	Miles/RT	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
		VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT
Conveyance Facility																			
Worker Commuting	176	36,608	37,312	30,272	37,312	35,200	33,792	33,792	36,608	30,272	33,792	0	0	0	0	0	0	0	
Material Delivery Truck	176	29,568	29,568	29,568	29,568	29,568	29,568	29,568	29,568	29,568	29,568	0	0	0	0	0	0	0	
Cadiz Pumping Facility																			
Worker Commuting	134	1,340	7,236	6,834	7,236	7,236	6,298	7,906	4,556	2,680	1,340	536	0	0	0	0	0	0	
Material Delivery Truck	134	16,348	16,348	16,348	16,348	16,348	16,348	16,348	16,348	16,348	16,348	16,348	0	0	0	0	0	0	
Spreading Basins																			
Worker Commuting	181	5,973	5,973	7,964	7,059	11,041	13,937	181	0	0	0	0	0	0	0	0	0	0	
Material Delivery Truck	181	5,068	5,068	5,068	5,068	5,068	5,068	5,068	0	0	0	0	0	0	0	0	0	0	
Wellfield																			
Worker Commuting	181	3,077	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	8,688	
Material Delivery Truck	181	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	6,878	
Power Transmission																			
Worker Commuting	176	704	3,872	3,696	7,568	5,984	5,808	5,808	5,808	4,048	1,936	0	0	0	0	0	0	0	
Material Delivery Truck	176	4,576	4,576	4,576	4,576	4,576	4,576	4,576	4,576	4,576	4,576	0	0	0	0	0	0	0	

Off-Site Motor Vehicles, Peak Daily VMT on Unpaved Roads

Vehicle Type	Miles/RT	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
		VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT
Conveyance Facility																			
Worker Bus	18	162	162	126	162	144	144	144	162	126	144	0	0	0	0	0	0	0	
Material Delivery Truck	18	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	0	0	0	0	0	0	0	
Cadiz Pumping Facility																			
Worker Bus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Material Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Spreading Basins																			
Worker Bus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Material Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Wellfield																			
Worker Bus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Material Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Power Transmission																			
Worker Bus	18	18	18	18	36	36	36	36	36	18	18	0	0	0	0	0	0	0	
Material Delivery Truck	18	468	468	468	468	468	468	468	468	468	468	0	0	0	0	0	0	0	

Table Eastern-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Eastern Alternative

Peak Daily Motor Vehicle VOC Emissions (lb/day)																			
Vehicle Type	Location	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																			
Worker Commuting	Paved Road	27.0	27.5	22.3	27.5	26.0	24.9	24.9	27.0	22.3	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	3.9	2.6	2.6	3.9	2.6	2.6	3.9	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	2.7	2.9	2.4	2.9	2.7	2.7	2.6	2.9	2.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		96.0	95.3	89.6	96.6	93.6	92.5	93.7	94.8	89.6	92.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																			
Worker Commuting	Paved Road	1.1	5.8	5.5	5.8	5.8	5.0	6.3	3.6	2.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.3	0.2	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		30.2	34.4	34.2	34.7	34.7	34.0	35.3	32.3	30.8	29.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Worker Commuting	Paved Road	4.4	4.4	5.8	5.2	8.1	10.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	8.7	8.7	8.7	8.7	8.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.2	0.2	0.2	0.3	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		14.6	14.6	16.1	14.2	17.6	19.7	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																			
Worker Commuting	Paved Road	2.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.7
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Pickup Truck	On-Site	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0
Water Truck	On-Site	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Subtotal		14.8	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	18.9
Power Transmission																			
Worker Commuting	Paved Road	0.5	2.9	2.7	5.6	4.4	4.3	4.3	4.3	3.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.0	0.6	0.3	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.4	0.5	0.7	1.2	1.1	1.2	1.2	1.2	0.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		10.0	13.4	13.1	17.2	15.6	15.2	15.2	15.2	13.5	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		165.6	177.4	172.7	182.4	181.2	181.2	173.0	162.0	153.6	153.0	48.6	19.7	19.7	19.7	19.7	19.7	19.7	18.9

Table Eastern-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Eastern Alternative

Peak Daily Motor Vehicle NO _x Emissions (lb/day)																			
Vehicle Type	Location	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																			
Worker Commuting	Paved Road	97.2	99.1	80.4	99.1	93.5	89.8	89.8	97.2	80.4	89.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	4.7	4.7	3.7	4.7	4.2	4.2	4.2	4.7	3.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	18.0	12.0	12.0	18.0	12.0	12.0	18.0	12.0	12.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	2.7	2.9	2.3	2.9	2.7	2.7	2.5	2.9	2.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		946.6	942.7	922.4	948.7	936.4	932.6	938.4	940.8	922.4	932.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																			
Worker Commuting	Paved Road	3.6	19.3	18.3	19.3	19.3	16.8	21.1	12.2	7.2	3.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	414.8	414.8	414.8	414.8	414.8	414.8	414.8	414.8	414.8	414.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.3	0.1	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		421.7	435.8	434.9	436.2	436.2	433.7	438.0	427.6	422.5	418.8	416.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Worker Commuting	Paved Road	15.9	15.9	21.1	18.7	29.3	37.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	128.6	128.6	128.6	128.6	128.6	128.6	128.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.2	0.2	0.2	0.3	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.0	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		150.6	150.6	155.9	147.6	159.9	167.6	129.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																			
Worker Commuting	Paved Road	8.2	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	20.7
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Pickup Truck	On-Site	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Water Truck	On-Site	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Subtotal		184.6	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	197.7
Power Transmission																			
Worker Commuting	Paved Road	1.9	10.3	9.8	20.1	15.9	15.4	15.4	10.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.5	0.5	0.5	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.0	3.0	1.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.3	0.5	0.7	1.3	1.2	1.3	1.3	0.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	1.5	1.5	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		127.5	140.5	138.8	153.2	147.4	145.6	145.6	139.9	131.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		1,831.0	1,871.1	1,853.5	1,887.2	1,881.3	1,880.9	1,852.7	1,715.4	1,686.3	1,684.0	618.1	201.5	201.5	201.5	201.5	201.5	201.5	197.7

Table Eastern-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Eastern Alternative

Peak Daily Motor Vehicle SO₂ Emissions (lb/day)

Vehicle Type	Location	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																			
Worker Commuting	Paved Road	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		6.3	6.3	6.2	6.3	6.3	6.2	6.3	6.3	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																			
Worker Commuting	Paved Road	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		2.9	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Worker Commuting	Paved Road	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																			
Worker Commuting	Paved Road	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Power Transmission																			
Worker Commuting	Paved Road	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		12.4	12.5	12.4	12.5	12.5	12.5	12.4	11.5	11.4	11.4	4.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3

Table Eastern-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Eastern Alternative

Peak Daily Motor Vehicle PM₁₀ Emissions (lb/day)

Vehicle Type	Location	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18
Conveyance Facility																			
Worker Commuting	Paved Road	1.6	1.6	1.3	1.6	1.6	1.5	1.5	1.6	1.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.7	0.5	0.5	0.7	0.5	0.5	0.7	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		44.7	44.5	44.2	44.8	44.4	44.4	44.6	44.5	44.2	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																			
Worker Commuting	Paved Road	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		21.1	21.3	21.3	21.3	21.3	21.2	21.3	21.1	21.0	21.0	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Worker Commuting	Paved Road	0.3	0.3	0.4	0.3	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		7.0	7.0	7.1	6.8	7.0	7.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wellfield																			
Worker Commuting	Paved Road	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
Material Delivery Truck	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Subtotal		9.0	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.2
Power Transmission																			
Worker Commuting	Paved Road	0.0	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		6.5	6.8	6.7	7.0	6.9	6.8	6.8	6.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		88.3	88.9	88.6	89.2	89.0	88.9	88.6	81.8	81.3	81.2	30.2	9.3	9.3	9.3	9.3	9.3	9.3	9.2

Table Eastern-6
Peak Daily Fugitive PM10 Source Activity Levels and Emissions by Month, Eastern Alternative

Peak Daily Activity Levels by Month

Activity	Activity Units	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	
Conveyance Facility																				
Material Delivery Trucks on Unpaved Roads	Miles	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	0	0	0	0	0	0	0	0	
Cement Trucks within the Alignment	Miles	576	576	576	576	576	576	576	576	576	576	0	0	0	0	0	0	0	0	
Worker Buses on Unpaved Roads	Miles	162	162	126	162	144	144	144	162	126	144	0	0	0	0	0	0	0	0	
Vehicles on Paved Roads	Miles	66,176	66,880	59,840	66,880	64,768	63,360	63,360	66,176	59,840	63,360	0	0	0	0	0	0	0	0	
Equipment Travel in Construction Areas	Miles	4,280	4,400	3,840	4,320	4,360	4,100	4,060	4,400	3,840	4,100	0	0	0	0	0	0	0	0	
Bulldozing	Hours	36	0	0	36	0	0	36	0	0	0	0	0	0	0	0	0	0	0	
Grading	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Scraping	Miles	180	0	0	180	0	0	180	0	0	0	0	0	0	0	0	0	0	0	
Material Handling	Tons	29,808	29,808	23,328	23,328	36,288	23,328	23,328	29,808	23,328	23,328	0	0	0	0	0	0	0	0	
Disturbed Surface Wind Erosion	Acres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cadiz Pumping Facility																				
Material Delivery Trucks on Unpaved Roads	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Trucks within the Alignment	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Worker Buses on Unpaved Roads	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vehicles on Paved Roads	Miles	17,688	23,584	23,182	23,584	23,584	22,646	24,254	20,904	19,028	17,688	16,884	0	0	0	0	0	0	0	
Equipment Travel in Construction Areas	Miles	200	365	365	410	410	380	650	155	200	110	65	0	0	0	0	0	0	0	
Bulldozing	Hours	9	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	
Grading	Miles	45	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	
Scraping	Miles	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Material Handling	Tons	1,620	864	0	0	0	0	0	0	864	864	0	0	0	0	0	0	0	0	
Disturbed Surface Wind Erosion	Acres	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Spreading Basins																				
Material Delivery Trucks on Unpaved Roads	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Trucks within the Alignment	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Worker Buses on Unpaved Roads	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vehicles on Paved Roads	Miles	11,041	11,041	13,032	12,127	16,109	19,005	5,249	0	0	0	0	0	0	0	0	0	0	0	
Equipment Travel in Construction Areas	Miles	345	345	390	455	860	1,130	30	0	0	0	0	0	0	0	0	0	0	0	
Bulldozing	Hours	26	36	36	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	
Grading	Miles	180	180	180	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	
Scraping	Miles	135	135	135	135	135	135	0	0	0	0	0	0	0	0	0	0	0	0	
Material Handling	Tons	0	0	0	1,620	4,968	6,588	0	0	0	0	0	0	0	0	0	0	0	0	
Disturbed Surface Wind Erosion	Acres	10.0	10.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Wellfield																				
Material Delivery Trucks on Unpaved Roads	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Trucks within the Alignment	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Worker Buses on Unpaved Roads	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vehicles on Paved Roads	Miles	9,955	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	15,566	14,661	
Equipment Travel in Construction Areas	Miles	375	985	985	985	985	985	985	985	985	985	985	985	985	985	985	985	985	975	
Bulldozing	Hours	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
Grading	Miles	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	0	
Scraping	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Material Handling	Tons	4,860	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	8,964	
Disturbed Surface Wind Erosion	Acres	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Power Transmission																				
Material Delivery Trucks on Unpaved Roads	Miles	360	360	360	360	360	360	360	360	360	360	0	0	0	0	0	0	0	0	
Cement Trucks within the Alignment	Miles	108	108	108	108	108	108	108	108	108	108	0	0	0	0	0	0	0	0	
Worker Buses on Unpaved Roads	Miles	18	18	18	36	36	36	36	36	18	18	0	0	0	0	0	0	0	0	
Vehicles on Paved Roads	Miles	5,280	8,448	8,272	12,144	10,560	10,384	10,384	10,384	8,624	6,512	0	0	0	0	0	0	0	0	
Equipment Travel in Construction Areas	Miles	100	355	355	805	740	720	720	720	495	180	0	0	0	0	0	0	0	0	
Bulldozing	Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grading	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Scraping	Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Material Handling	Tons	1,620	3,240	1,620	3,240	3,240	3,240	3,240	3,240	1,620	0	0	0	0	0	0	0	0	0	
Disturbed Surface Wind Erosion	Acres	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Table Eastern-7
Summary of Estimated Annual Construction Emissions, Eastern Alternative

Source	CO (tons/yr)	VOC (tons/yr)	NO_x (tons/yr)	SO_x (tons/yr)	PM₁₀ (tons/yr)
Conveyance Facility					
Construction Equipment Exhaust	153.69	60.31	64.64	5.84	4.50
Motor Vehicles	40.58	4.03	23.66	0.13	0.89
Fugitive PM ₁₀	0.00	0.00	0.00	0.00	631.54
Subtotal	194.27	64.34	88.29	5.97	636.93
Cadiz Pumping Facility					
Construction Equipment Exhaust	7.35	2.39	4.19	0.37	0.26
Motor Vehicles	5.16	0.48	2.74	0.01	0.08
Fugitive PM ₁₀	0.00	0.00	0.00	0.00	22.70
Subtotal	12.51	2.87	6.93	0.38	23.05
Spreading Basins					
Construction Equipment Exhaust	7.61	1.41	15.90	1.56	0.99
Motor Vehicles	5.68	0.48	1.92	0.01	0.04
Fugitive PM ₁₀	0.00	0.00	0.00	0.00	130.65
Subtotal	13.30	1.88	17.82	1.57	131.68
Wellfield					
Construction Equipment Exhaust	6.67	1.26	10.68	0.93	0.66
Motor Vehicles	5.48	0.49	2.52	0.01	0.07
Fugitive PM ₁₀	0.00	0.00	0.00	0.00	46.40
Subtotal	12.15	1.75	13.21	0.94	47.13
Power Transmission					
Construction Equipment Exhaust	2.17	0.55	4.30	0.39	0.25
Motor Vehicles	7.29	0.65	3.05	0.01	0.06
Fugitive PM ₁₀	0.00	0.00	0.00	0.00	83.18
Subtotal	9.46	1.20	7.35	0.40	83.49
TOTAL	241.68	72.04	133.61	9.26	922.28
<i>Significance Level</i>	<i>100</i>	<i>25</i>	<i>25</i>	<i>25</i>	<i>15</i>
Significant? (Yes/No)	Yes	Yes	Yes	No	Yes

**Table Eastern-8
Construction Equipment Exhaust Annual Emissions, Eastern Alternative**

Equipment	Hours	CO (tons/yr)	VOC (tons/yr)	NO_x (tons/yr)	SO_x (tons/yr)	PM₁₀ (tons/yr)
CONVEYANCE FACILITY						
Air Compressor	0	0.0	0.0	0.0	0.0	0.0
Backhoe	12,996	3.6	0.7	5.3	0.5	0.2
Bedding Hopper/Conveyor System	8,064	2.1	0.3	2.5	0.2	0.2
Compactor (sheep-foot)	0	0.0	0.0	0.0	0.0	0.0
Concrete Mixer	0	0.0	0.0	0.0	0.0	0.0
Crane	23,028	8.6	2.9	22.1	1.9	1.4
Dozer	2,700	0.9	0.2	1.9	0.2	0.1
Forklift	2,016	0.3	0.1	0.8	0.1	0.0
Front End Loader	0	0.0	0.0	0.0	0.0	0.0
Gas Welding Machine	0	0.0	0.0	0.0	0.0	0.0
Generator	19,316	1.7	0.3	2.8	0.3	0.2
Grader	0	0.0	0.0	0.0	0.0	0.0
Hand Held Vibrator Plate	24,192	84.9	37.3	0.0	0.0	0.4
Pile Hammer	1,368	1.4	0.2	1.6	0.1	0.1
Roller	0	0.0	0.0	0.0	0.0	0.0
Rubber Tire Loader	17,496	7.6	1.4	16.0	1.4	1.0
Scraper	2,700	2.6	0.2	4.5	0.5	0.4
Tamping Spade	16,128	36.2	15.9	0.0	0.0	0.1
Truck Mounted Vertical Auger Drill	1,368	2.1	0.3	2.6	0.2	0.2
Vibrator Compactor	8,064	1.6	0.5	4.6	0.5	0.2
Well Driller	0	0.0	0.0	0.0	0.0	0.0
Subtotal		153.7	60.3	64.6	5.8	4.5
CADIZ PUMPING FACILITY						
Air Compressor	882	0.1	0.0	0.1	0.0	0.0
Backhoe	225	0.1	0.0	0.1	0.0	0.0
Bedding Hopper/Conveyor System	0	0.0	0.0	0.0	0.0	0.0
Compactor (sheep-foot)	0	0.0	0.0	0.0	0.0	0.0
Concrete Mixer	0	0.0	0.0	0.0	0.0	0.0
Crane	1,950	0.7	0.2	1.9	0.2	0.1
Dozer	153	0.1	0.0	0.1	0.0	0.0
Forklift	540	0.1	0.0	0.2	0.0	0.0
Front End Loader	450	0.2	0.0	0.4	0.0	0.0
Gas Welding Machine	144	1.0	0.0	0.0	0.0	0.0
Generator	900	0.1	0.0	0.1	0.0	0.0
Grader	153	0.1	0.0	0.1	0.0	0.0
Hand Held Vibrator Plate	1,206	4.2	1.9	0.0	0.0	0.0
Pile Hammer	225	0.2	0.0	0.3	0.0	0.0
Roller	108	0.0	0.0	0.1	0.0	0.0
Rubber Tire Loader	225	0.1	0.0	0.2	0.0	0.0
Scraper	0	0.0	0.0	0.0	0.0	0.0
Tamping Spade	0	0.0	0.0	0.0	0.0	0.0
Truck Mounted Vertical Auger Drill	225	0.4	0.1	0.4	0.0	0.0
Vibrator Compactor	324	0.1	0.0	0.2	0.0	0.0
Well Driller	0	0.0	0.0	0.0	0.0	0.0
Subtotal		7.3	2.4	4.2	0.4	0.3

Table Eastern-8
Construction Equipment Exhaust Annual Emissions, Eastern Alternative

Equipment	Hours	CO (tons/yr)	VOC (tons/yr)	NO_x (tons/yr)	SO_x (tons/yr)	PM₁₀ (tons/yr)
SPREADING BASINS						
Air Compressor	0	0.0	0.0	0.0	0.0	0.0
Backhoe	432	0.1	0.0	0.2	0.0	0.0
Bedding Hopper/Conveyor System	0	0.0	0.0	0.0	0.0	0.0
Compactor (sheep-foot)	4,050	0.8	0.2	2.3	0.2	0.1
Concrete Mixer	864	0.0	0.0	0.1	0.0	0.0
Crane	1,458	0.5	0.2	1.4	0.1	0.1
Dozer	2,675	0.9	0.2	1.9	0.2	0.1
Forklift	0	0.0	0.0	0.0	0.0	0.0
Front End Loader	450	0.2	0.0	0.4	0.0	0.0
Gas Welding Machine	0	0.0	0.0	0.0	0.0	0.0
Generator	0	0.0	0.0	0.0	0.0	0.0
Grader	2,925	1.1	0.4	2.8	0.3	0.1
Hand Held Vibrator Plate	0	0.0	0.0	0.0	0.0	0.0
Pile Hammer	0	0.0	0.0	0.0	0.0	0.0
Roller	225	0.0	0.0	0.1	0.0	0.0
Rubber Tire Loader	72	0.0	0.0	0.1	0.0	0.0
Scraper	4,050	3.9	0.4	6.8	0.7	0.5
Tamping Spade	0	0.0	0.0	0.0	0.0	0.0
Truck Mounted Vertical Auger Drill	0	0.0	0.0	0.0	0.0	0.0
Vibrator Compactor	0	0.0	0.0	0.0	0.0	0.0
Well Driller	0	0.0	0.0	0.0	0.0	0.0
Subtotal		7.6	1.4	15.9	1.6	1.0
WELLFIELD						
Air Compressor	2,475	0.2	0.0	0.4	0.0	0.0
Backhoe	1,125	0.3	0.1	0.5	0.0	0.0
Bedding Hopper/Conveyor System	0	0.0	0.0	0.0	0.0	0.0
Compactor (sheep-foot)	0	0.0	0.0	0.0	0.0	0.0
Concrete Mixer	0	0.0	0.0	0.0	0.0	0.0
Crane	2,673	1.0	0.3	2.6	0.2	0.2
Dozer	216	0.1	0.0	0.2	0.0	0.0
Forklift	0	0.0	0.0	0.0	0.0	0.0
Front End Loader	0	0.0	0.0	0.0	0.0	0.0
Gas Welding Machine	0	0.0	0.0	0.0	0.0	0.0
Generator	0	0.0	0.0	0.0	0.0	0.0
Grader	216	0.1	0.0	0.2	0.0	0.0
Hand Held Vibrator Plate	0	0.0	0.0	0.0	0.0	0.0
Pile Hammer	0	0.0	0.0	0.0	0.0	0.0
Roller	0	0.0	0.0	0.0	0.0	0.0
Rubber Tire Loader	2,475	1.1	0.2	2.3	0.2	0.1
Scraper	0	0.0	0.0	0.0	0.0	0.0
Tamping Spade	0	0.0	0.0	0.0	0.0	0.0
Truck Mounted Vertical Auger Drill	0	0.0	0.0	0.0	0.0	0.0
Vibrator Compactor	0	0.0	0.0	0.0	0.0	0.0
Well Driller	2,475	3.9	0.6	4.7	0.4	0.3
Subtotal		6.7	1.3	10.7	0.9	0.7

**Table Eastern-8
Construction Equipment Exhaust Annual Emissions, Eastern Alternative**

Equipment	Hours	CO (tons/yr)	VOC (tons/yr)	NO_x (tons/yr)	SO_x (tons/yr)	PM₁₀ (tons/yr)
POWER TRANSMISSION						
Air Compressor	0	0.0	0.0	0.0	0.0	0.0
Backhoe	3,177	0.9	0.2	1.3	0.1	0.1
Bedding Hopper/Conveyor System	0	0.0	0.0	0.0	0.0	0.0
Compactor (sheep-foot)	0	0.0	0.0	0.0	0.0	0.0
Concrete Mixer	0	0.0	0.0	0.0	0.0	0.0
Crane	2,430	0.9	0.3	2.3	0.2	0.2
Dozer	0	0.0	0.0	0.0	0.0	0.0
Forklift	540	0.1	0.0	0.2	0.0	0.0
Front End Loader	0	0.0	0.0	0.0	0.0	0.0
Gas Welding Machine	0	0.0	0.0	0.0	0.0	0.0
Generator	3,249	0.3	0.1	0.5	0.1	0.0
Grader	0	0.0	0.0	0.0	0.0	0.0
Hand Held Vibrator Plate	0	0.0	0.0	0.0	0.0	0.0
Pile Hammer	0	0.0	0.0	0.0	0.0	0.0
Roller	0	0.0	0.0	0.0	0.0	0.0
Rubber Tire Loader	0	0.0	0.0	0.0	0.0	0.0
Scraper	0	0.0	0.0	0.0	0.0	0.0
Tamping Spade	0	0.0	0.0	0.0	0.0	0.0
Truck Mounted Vertical Auger Drill	0	0.0	0.0	0.0	0.0	0.0
Vibrator Compactor	0	0.0	0.0	0.0	0.0	0.0
Well Driller	0	0.0	0.0	0.0	0.0	0.0
Subtotal		2.2	0.6	4.3	0.4	0.2
TOTAL		177.5	65.9	99.7	9.1	6.7

**Table Eastern-9
Construction Motor Vehicle Annual Emissions, Eastern Alternative**

Vehicle Type	Location	Miles/Trip	No. Trips	No. Starts	VMT	CO (tons/yr)	VOC (tons/yr)	NO _x (tons/yr)	SO _x (tons/yr)	PM ₁₀ (tons/yr)
Conveyance Facility										
Worker Commuting	Paved Road	176	31,680	63,360	5,575,680	25.2	2.0	7.4	0.0	0.1
Worker Bus	Unpaved Road	18	1,267	2,534	22,806	0.0	0.0	0.3	0.0	0.0
Material Delivery Truck	Paved Road	176	4,993	9,986	878,768	6.1	0.8	11.1	0.1	0.6
Material Delivery Truck	Unpaved Road	18	4,993	0	89,874	0.7	0.1	0.8	0.0	0.1
Dump Truck	On-Site	N/A	2,196	2,196	98,820	3.6	0.4	1.6	0.0	0.1
Pickup Truck	On-Site	N/A	4,000	16,000	105,440	2.5	0.3	0.3	0.0	0.0
Water Truck	On-Site	N/A	2,688	2,688	120,960	2.4	0.4	2.0	0.0	0.1
Subtotal						40.6	4.0	23.7	0.1	0.9
Cadiz Pumping Facility										
Worker Commuting	Paved Road	134	5,748	11,496	770,232	3.6	0.3	1.0	0.0	0.0
Worker Bus	Unpaved Road	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	134	770	1,540	103,180	0.7	0.1	1.3	0.0	0.1
Material Delivery Truck	Unpaved Road	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	N/A	17	17	765	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	N/A	550	2,200	21,700	0.8	0.1	0.4	0.0	0.0
Water Truck	On-Site	N/A	36	36	1,620	0.1	0.0	0.0	0.0	0.0
Subtotal						5.2	0.5	2.7	0.0	0.1
Spreading Basins										
Worker Commuting	Paved Road	181	5,755	11,510	1,041,655	4.7	0.4	1.4	0.0	0.0
Worker Bus	Unpaved Road	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	181	56	112	10,136	0.1	0.0	0.1	0.0	0.0
Material Delivery Truck	Unpaved Road	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	N/A	300	300	13,500	0.5	0.0	0.2	0.0	0.0
Pickup Truck	On-Site	N/A	350	1,400	9,000	0.3	0.0	0.1	0.0	0.0
Water Truck	On-Site	N/A	50	50	2,250	0.1	0.0	0.0	0.0	0.0
Subtotal						5.7	0.5	1.9	0.0	0.0
Wellfield										
Worker Commuting	Paved Road	181	4,450	8,900	805,450	3.6	0.3	1.1	0.0	0.0
Worker Bus	Unpaved Road	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	181	358	716	64,798	0.4	0.1	0.8	0.0	0.0
Material Delivery Truck	Unpaved Road	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	N/A	12	12	540	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	N/A	1,200	4,800	25,130	0.9	0.1	0.4	0.0	0.0
Water Truck	On-Site	N/A	275	275	12,375	0.5	0.0	0.2	0.0	0.0
Subtotal						5.5	0.5	2.5	0.0	0.1
Power Transmission										
Worker Commuting	Paved Road	176	5,731	11,462	1,008,656	4.6	0.4	1.3	0.0	0.0
Worker Bus	Unpaved Road	18	229	458	4,122	0.0	0.0	0.1	0.0	0.0
Material Delivery Truck	Paved Road	176	237	474	41,712	0.3	0.0	0.5	0.0	0.0
Material Delivery Truck	Unpaved Road	18	237	0	4,266	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	N/A	173	173	7,785	0.3	0.0	0.1	0.0	0.0
Pickup Truck	On-Site	N/A	1,000	4,000	47,405	1.7	0.2	0.8	0.0	0.0
Water Truck	On-Site	N/A	225	225	10,125	0.4	0.0	0.2	0.0	0.0
Subtotal						7.3	0.7	3.1	0.0	0.1
TOTAL						64.2	6.1	33.9	0.2	1.1

Table Eastern-10
Construction Fugitive PM₁₀ Annual Emissions, Eastern Alternative

Activity	Activity Units	Activity Level	Emission Factor (lb/activity)	Emissions (tons/yr)
Conveyance Facility				
Material Delivery Trucks on Unpaved Roads	Miles	85,284	1.96	83.7
Cement Trucks within the Alignment	Miles	4,590	1.96	4.5
Worker Buses on Unpaved Roads	Miles	22,806	1.96	22.4
Vehicles on Paved Roads	Miles	6,454,448	0.00402	13.0
Equipment Travel in Construction Areas	Miles	809,180	0.65	264.7
Bulldozing	Hours	2,700	36.10	48.7
Grading	Miles	0	0.39	0.0
Scraping	Miles	13,500	5.05	34.1
Material Handling	Tons	22,733,136	0.01	159.9
Disturbed Surface Wind Erosion	Acre-Days	3,500	0.33	0.6
Subtotal				631.5
Cadiz Pumping Facility				
Material Delivery Trucks on Unpaved Roads	Miles	0	1.96	0.0
Cement Trucks within the Alignment	Miles	0	1.96	0.0
Worker Buses on Unpaved Roads	Miles	0	1.96	0.0
Vehicles on Paved Roads	Miles	873,412	0.00402	1.8
Equipment Travel in Construction Areas	Miles	45,535	0.65	14.9
Bulldozing	Hours	153	36.10	2.8
Grading	Miles	765	0.39	0.1
Scraping	Miles	0	5.05	0.0
Material Handling	Tons	429,300	0.01	3.0
Disturbed Surface Wind Erosion	Acres	688	0.33	0.1
Subtotal				22.7
Spreading Basins				
Material Delivery Trucks on Unpaved Roads	Miles	0	1.96	0.0
Cement Trucks within the Alignment	Miles	0	1.96	0.0
Worker Buses on Unpaved Roads	Miles	0	1.96	0.0
Vehicles on Paved Roads	Miles	1,051,791	0.00402	2.1
Equipment Travel in Construction Areas	Miles	63,315	0.65	20.7
Bulldozing	Hours	2,675	36.10	48.3
Grading	Miles	14,625	0.39	2.8
Scraping	Miles	20,250	5.05	51.1
Material Handling	Tons	749,952	0.01	5.3
Disturbed Surface Wind Erosion	Acres	1,750	0.33	0.3
Subtotal				130.6
Wellfield				
Material Delivery Trucks on Unpaved Roads	Miles	0	1.96	0.0
Cement Trucks within the Alignment	Miles	0	1.96	0.0
Worker Buses on Unpaved Roads	Miles	0	1.96	0.0
Vehicles on Paved Roads	Miles	870,248	0.00402	1.7
Equipment Travel in Construction Areas	Miles	79,490	0.65	26.0
Bulldozing	Hours	216	36.10	3.9
Grading	Miles	1,080	0.39	0.2
Scraping	Miles	0	5.05	0.0
Material Handling	Tons	2,060,100	0.01	14.5
Disturbed Surface Wind Erosion	Acres	300	0.33	0.1
Subtotal				46.4
Power Transmission				
Material Delivery Trucks on Unpaved Roads	Miles	4,266	1.96	4.2
Cement Trucks within the Alignment	Miles	450	1.96	0.4
Worker Buses on Unpaved Roads	Miles	4,122	1.96	4.0
Vehicles on Paved Roads	Miles	1,050,368	0.00402	2.1
Equipment Travel in Construction Areas	Miles	110,540	0.65	36.2
Bulldozing	Hours	0	36.10	0.0
Grading	Miles	0	0.39	0.0
Scraping	Miles	0	5.05	0.0
Material Handling	Tons	5,146,740	0.01	36.2
Disturbed Surface Wind Erosion	Acres	250	0.33	0.0
Subtotal				83.2
TOTAL				914.5