

Attachment C-3

Construction Emissions for the Western Alternative

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

Source	CO (lbs/day)	VOC (lbs/day)	NO_x (lbs/day)	SO_x (lbs/day)	PM₁₀ (lbs/day)
Conveyance Facility					
Construction Equipment Exhaust	1,582.1	581.7	901.0	78.1	63.1
Motor Vehicles	897.6	97.0	957.6	6.4	45.6
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	12,996.0
Subtotal	2,479.7	678.7	1,858.6	84.5	13,104.7
Cadiz Pumping Facility					
Construction Equipment Exhaust	299.2	76.3	148.0	12.9	1.7
Motor Vehicles	335.5	39.3	474.4	3.3	23.3
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	612.8
Subtotal	634.6	115.6	622.4	16.1	637.7
Spreading Basins					
Construction Equipment Exhaust	185.1	35.0	390.2	36.5	18.2
Motor Vehicles	237.5	23.3	185.9	1.1	8.0
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	5,159.3
Subtotal	422.7	58.3	576.1	37.7	5,185.5
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	16.7	4.2	31.8	2.8	0.3
Motor Vehicles	121.7	13.6	142.8	1.0	6.6
Fugitive PM ₁₀	0.0	0.0	0.0	0.0	1,222.8
Subtotal	138.4	17.9	174.6	3.8	1,229.7
TOTAL	3,952.0	909.2	3,586.9	157.0	20,865.5
<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 Western-3
Peak Daily Construction Emissions by Month, Western 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	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	902.9	897.6	828.9	910.8	876.8	864.0	875.7	871.5	506.2	466.9	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	2,520.3	2,479.7	2,348.1	2,550.8	2,436.3	2,410.2	2,488.7	2,453.6	533.2	466.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																		
Construction Equipment Exhaust	17.5	299.2	240.2	240.2	240.2	240.2	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	274.7	335.5	323.3	328.8	328.8	321.2	335.1	304.7	282.4	268.1	260.5	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	292.1	634.6	563.5	569.0	569.0	561.4	503.5	376.4	305.3	274.8	260.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																		
Construction Equipment Exhaust	158.4	185.1	193.0	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	237.5	237.5	255.5	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	396.0	422.7	448.5	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	88.6
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	81.8	121.7	118.5	165.5	147.1	143.1	143.1	143.1	123.6	96.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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	86.8	138.4	137.0	201.9	183.4	174.3	174.3	174.3	141.5	97.7	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
TOTAL	3,452.2	3,952.0	3,773.7	3,824.0	3,765.0	3,782.9	3,516.5	3,280.9	1,256.5	1,116.1	541.5	281.0	281.0	281.0	281.0	281.0	281.0	182.2

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	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	97.6	97.0	91.2	98.3	95.2	94.2	95.3	94.7	63.3	59.5	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	671.2	678.7	653.2	680.0	668.8	665.1	668.0	676.4	72.3	59.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																		
Construction Equipment Exhaust	4.5	76.3	67.0	67.0	67.0	67.0	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	34.0	39.3	38.2	38.7	38.7	38.0	39.3	36.6	34.6	33.4	32.7	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	38.5	115.6	105.2	105.7	105.7	105.0	108.1	67.0	40.4	34.6	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																		
Construction Equipment Exhaust	30.2	35.0	37.5	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	23.3	23.3	24.7	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	53.4	58.3	62.2	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	19.0
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	10.2	13.6	13.4	17.4	15.9	15.5	15.5	15.5	13.8	11.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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	11.2	17.9	18.8	27.4	25.9	23.5	23.5	23.5	18.3	11.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
TOTAL	795.7	909.2	878.1	881.8	880.6	886.1	847.3	805.6	169.7	144.4	72.0	39.2	39.2	39.2	39.2	39.2	39.2	19.4

Table Western-3
Peak Daily Construction Emissions by Month, Western 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	69.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	961.5	957.6	937.0	963.6	951.1	947.4	953.2	947.8	830.4	819.6	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	1,888.6	1,858.6	1,687.0	1,953.3	1,789.6	1,766.4	1,873.8	1,848.9	899.5	819.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																		
Construction Equipment Exhaust	36.9	148.0	68.9	68.9	68.9	68.9	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	456.2	474.4	470.3	471.6	471.6	469.1	473.5	464.4	457.1	453.2	451.0	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	493.1	622.4	539.2	540.6	540.6	538.0	579.9	484.5	511.0	467.4	451.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																		
Construction Equipment Exhaust	334.4	390.2	410.1	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	185.9	185.9	191.2	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	520.2	576.1	601.3	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	0.0
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	129.7	142.8	141.0	155.6	149.8	147.9	147.9	147.9	142.2	133.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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	137.0	174.6	182.8	234.2	228.3	211.9	211.9	211.9	178.9	136.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL	3,274.8	3,586.9	3,365.5	3,413.5	3,328.7	3,375.8	3,150.0	2,900.4	1,944.6	1,778.1	807.5	356.5	356.5	356.5	356.5	356.5	356.5	199.1

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	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	6.4	6.4	6.3	6.4	6.4	6.4	6.4	6.4	5.9	5.9	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	88.9	84.5	71.2	94.4	79.0	77.3	88.3	84.4	11.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																		
Construction Equipment Exhaust	3.4	12.9	6.2	6.2	6.2	6.2	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	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	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	6.6	16.1	9.4	9.4	9.4	9.4	12.6	5.1	8.2	4.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																		
Construction Equipment Exhaust	31.7	36.5	38.3	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	1.1	1.1	1.2	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	32.8	37.7	39.4	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	0.0
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	1.3
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	1.0	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
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	7.9	6.6	6.6	6.6	4.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	135.9	157.0	139.6	145.5	136.5	140.9	123.4	111.0	39.2	26.4	18.1	14.9	14.9	14.9	14.9	14.9	14.9	1.3

Table Western-3
Peak Daily Construction Emissions by Month, Western 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	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicles	45.6	45.4	45.1	45.6	45.3	45.3	45.5	45.1	42.7	42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	12,996.0	10,868.6	10,300.2	12,933.9	10,883.8	10,525.8	12,708.4	10,745.2	7,274.4	7,048.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	13,104.7	10,974.7	10,396.4	13,046.9	10,985.6	10,626.6	12,816.6	10,851.0	7,321.6	7,091.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																		
Construction Equipment Exhaust	1.7	9.6	4.7	4.7	4.7	4.7	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	23.3	23.6	23.5	23.5	23.5	23.4	23.5	23.4	23.2	23.2	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	612.8	591.6	464.5	495.6	495.6	449.1	655.4	304.6	607.6	200.9	155.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	637.7	624.7	492.7	523.8	523.8	477.2	686.0	329.5	633.3	224.6	178.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																		
Construction Equipment Exhaust	18.2	20.7	21.9	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	8.0	8.0	8.0	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	5,159.3	6,603.5	6,641.0	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	5,185.5	6,632.1	6,670.9	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	823.3
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	6.6	6.9	6.9	7.2	7.0	7.0	7.0	7.0	6.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fugitive PM10	1,222.8	1,425.2	1,401.7	1,775.8	1,726.9	1,713.1	1,713.1	1,713.1	1,494.7	1,257.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
Subtotal	1,229.7	1,433.9	1,411.2	1,787.6	1,738.6	1,723.7	1,723.7	1,723.7	1,503.7	1,264.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
TOTAL	20,865.5	20,859.3	20,164.9	17,625.6	15,847.9	15,985.6	16,467.4	14,097.9	10,652.4	9,773.9	1,443.4	1,265.1	1,265.1	1,265.1	1,265.1	1,265.1	1,265.1	903.9

**Table Western-4
Construction Equipment Peak Daily Operating Hours and Emissions by Month, Western 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	0	0	0	0	0	0	0	0	0	0
Bedding Hopper/Conveyor System	36	36	36	36	36	36	36	36	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	108	180	108	144	144	144	108	180	36	0	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	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	108	108	108	108	108	108	108	108	0	0	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	0	0	0	0	0	0	0	0	0	0
Pile Hammer	36	36	36	36	36	36	36	36	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	108	108	108	108	108	108	108	108	0	0	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	0	0	0	0	0	0	0	0	0	0
Truck Mounted Vertical Auger Drill	36	36	36	36	36	36	36	36	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
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	9	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	24	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	6	0	0	0	0	0	0	0	0	0	0	0	0
Generator	0	9	9	9	9	9	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 Western-4
Construction Equipment Peak Daily Operating Hours and Emissions by Month, Western 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	104	144	144	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 Western-4
Construction Equipment Peak Daily Operating Hours and Emissions by Month, Western 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 Western-4
Construction Equipment Peak Daily Operating Hours and Emissions by Month, Western 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	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	17.5	299.2	240.2	240.2	240.2	240.2	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	158.4	185.1	193.0	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	1,825.6	2,171.7	2,059.5	2,094.6	2,047.1	2,063.3	1,901.2	1,773.6	156.4	97.0	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	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	4.5	76.3	67.0	67.0	67.0	67.0	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	30.2	35.0	37.5	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	615.7	716.3	690.9	693.4	693.5	698.9	668.5	639.1	38.3	20.5	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	69.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	36.9	148.0	68.9	68.9	68.9	68.9	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	334.4	390.2	410.1	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	1,357.0	1,624.7	1,424.5	1,473.7	1,394.7	1,442.4	1,244.7	1,138.8	313.5	170.4	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	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	3.4	12.9	6.2	6.2	6.2	6.2	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	31.7	36.5	38.3	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	122.9	143.9	126.6	132.5	123.5	128.0	110.5	99.1	27.8	15.1	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	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility	1.7	9.6	4.7	4.7	4.7	4.7	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	18.2	20.7	21.9	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	85.7	101.3	88.9	97.8	91.2	93.8	82.3	74.5	17.7	9.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	7.3

Table Western-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Western 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	204	20	0	0	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	58	51	54	54	48	59	35	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	69	69	80	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	1	1	1	1	1	1	1	1
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
	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT
Conveyance Facility																			
Worker Commuting	177	36,816	37,524	30,444	37,524	35,400	33,984	33,984	36,108	3,540	0	0	0	0	0	0	0	0	
Material Delivery Truck	177	29,736	29,736	29,736	29,736	29,736	29,736	29,736	29,736	29,736	29,736	0	0	0	0	0	0	0	
Cadiz Pumping Facility																			
Worker Commuting	137	1,370	7,946	6,987	7,398	7,398	6,576	8,083	4,795	2,740	1,370	548	0	0	0	0	0	0	
Material Delivery Truck	137	16,714	16,714	16,714	16,714	16,714	16,714	16,714	16,714	16,714	16,714	16,714	0	0	0	0	0	0	
Spreading Basins																			
Worker Commuting	181	12,489	12,489	14,480	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	0	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	177	708	3,894	3,717	7,611	6,018	5,841	5,841	5,841	4,071	1,947	177	177	177	177	177	177	177	
Material Delivery Truck	177	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	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
	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT
Conveyance Facility																			
Worker Bus	21	189	189	147	189	168	168	189	21	0	0	0	0	0	0	0	0	0	
Material Delivery Truck	21	3,528	3,528	3,528	3,528	3,528	3,528	3,528	3,528	3,528	3,528	0	0	0	0	0	0	0	
Cadiz Pumping Facility																			
Worker Bus	11	11	33	33	33	33	22	33	22	11	11	0	0	0	0	0	0	0	
Material Delivery Truck	11	1,342	1,342	1,342	1,342	1,342	1,342	1,342	1,342	1,342	1,342	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	21	21	21	21	42	42	42	42	42	21	21	21	21	21	21	21	21	21	
Material Delivery Truck	21	546	546	546	546	546	546	546	546	546	546	0	0	0	0	0	0	0	

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

On-Site Motor Vehicles, Peak Daily VMT

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
Conveyance Facility	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT	VMT
Dump Truck	540	360	360	540	360	360	540	180	0	0	0	0	0	0	0	0	0	0
Pickup Truck	500	540	420	540	500	500	460	540	80	0	0	0	0	0	0	0	0	0
Water Truck	540	540	540	540	540	540	540	540	0	0	0	0	0	0	0	0	0	0
Cadiz Pumping Facility																		
Dump Truck	90	45	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0
Pickup Truck	65	65	65	110	110	110	110	110	110	65	65	0	0	0	0	0	0	0
Water Truck	0	45	45	45	45	45	45	0	0	0	0	0	0	0	0	0	0	0
Spreading Basins																		
Dump Truck	720	720	720	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pickup Truck	30	30	30	50	95	95	30	0	0	0	0	0	0	0	0	0	0	0
Water Truck	0	0	0	0	45	45	0	0	0	0	0	0	0	0	0	0	0	0
Wellfield																		
Dump Truck	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	0
Pickup Truck	60	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	210
Water Truck	0	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Power Transmission																		
Dump Truck	0	90	45	90	90	45	45	45	45	0	0	0	0	0	0	0	0	0
Pickup Truck	55	85	130	265	245	270	270	270	180	135	45	45	45	45	45	45	45	45
Water Truck	0	45	45	90	45	45	45	45	45	0	0	0	0	0	0	0	0	0

Peak Daily Motor Vehicle CO 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	332.8	339.2	275.2	339.2	320.0	307.2	307.2	326.4	32.0	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	0.4	0.5	0.4	0.4	0.4	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	39.7	26.5	26.5	39.7	26.5	26.5	39.7	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	23.2	24.7	20.1	24.7	23.2	23.2	21.6	24.7	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		902.9	897.6	828.9	910.8	876.8	864.0	875.7	871.5	506.2	466.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																			
Worker Commuting	Paved Road	12.6	73.3	64.5	68.3	68.3	60.7	74.6	44.3	25.3	12.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	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	0.0
Material Delivery Truck	Paved Road	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	6.6	3.3	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	3.0	3.0	3.0	4.7	4.7	4.7	4.7	4.7	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	0.0	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		274.7	335.5	323.3	328.8	328.8	321.2	335.1	304.7	282.4	268.1	260.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Worker Commuting	Paved Road	112.7	112.7	130.7	63.7	99.7	125.8	1.6	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	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
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	53.0	53.0	53.0	0.0	0.0	0.0	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	1.7	1.7	1.7	2.4	4.1	4.1	1.7	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	3.3	3.3	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		237.5	237.5	255.5	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
Wellfield																			
Worker Commuting	Paved Road	27.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	70.3
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	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Pickup Truck	On-Site	3.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	9.0
Water Truck	On-Site	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Subtotal		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
Power Transmission																			
Worker Commuting	Paved Road	6.4	35.2	33.6	68.8	54.4	52.8	52.8	52.8	36.8	17.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Worker Bus	Unpaved Road	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Material Delivery Truck	Paved Road	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
Material Delivery Truck	Unpaved Road	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Dump Truck	On-Site	0.0	6.6	3.3	6.6	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	3.1	4.3	6.0	11.1	10.4	11.3	11.3	11.3	7.9	6.2	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Water Truck	On-Site	0.0	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		81.8	121.7	118.5	165.5	147.1	143.1	143.1	143.1	123.6	96.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
TOTAL		1,626.6	1,780.3 </																

Table Western-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Western 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	27.1	27.6	22.4	27.6	26.1	25.0	25.0	26.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.6	0.6	0.4	0.6	0.5	0.5	0.5	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	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	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	2.7	2.9	2.4	2.9	2.7	2.7	2.6	2.9	1.1	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		97.6	97.0	91.2	98.3	95.2	94.2	95.3	94.7	63.3	59.5	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	6.3	5.5	5.9	5.9	5.2	6.4	3.8	2.2	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.0	0.1	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	0.0
Material Delivery Truck	Paved Road	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.3	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	0.3	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		34.0	39.3	38.2	38.7	38.7	38.0	39.3	36.6	34.6	33.4	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Worker Commuting	Paved Road	9.1	9.1	10.6	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	5.2	5.2	5.2	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	0.2	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		23.3	23.3	24.7	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Worker Bus	Unpaved Road	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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		10.2	13.6	13.4	17.4	15.9	15.5	15.5	15.5	13.8	11.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
TOTAL		180.0	192.9	187.2	188.4	187.1	187.1	178.9	166.5	131.4	124.0	53.0	20.3	20.3	20.3	20.3	20.3	20.3	19.4

Table Westera-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Western 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	97.8	99.7	80.9	99.7	94.0	90.3	90.3	95.9	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	5.5	5.5	4.3	5.5	4.9	4.9	4.9	5.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
Material Delivery Truck	Unpaved Road	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
Dump Truck	On-Site	18.0	12.0	12.0	18.0	12.0	12.0	18.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pickup Truck	On-Site	2.7	2.9	2.3	2.9	2.7	2.7	2.5	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	On-Site	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	0.0	0.0
Subtotal		961.5	957.6	937.0	963.6	951.1	947.4	953.2	947.8	830.4	819.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadiz Pumping Facility																			
Worker Commuting	Paved Road	3.7	21.2	18.7	19.8	19.8	17.6	21.6	12.8	7.3	3.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.3	1.0	1.0	1.0	1.0	0.6	1.0	0.6	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	3.0	1.5	0.0	0.0	0.0	0.0	0.0	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	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	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		456.2	474.4	470.3	471.6	471.6	469.1	473.5	464.4	457.1	453.2	451.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Worker Commuting	Paved Road	33.2	33.2	38.4	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	128.6	128.6	128.6	128.6	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	23.9	23.9	23.9	0.0	0.0	0.0	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	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		185.9	185.9	191.2	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	9.9	20.2	16.0	15.5	15.5	15.5	10.8	5.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Worker Bus	Unpaved Road	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Material Delivery Truck	Paved Road	116.8	116.8	116.8	116.8	116.8	116.8	116.8	116.8	116.8	116.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	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	1.5	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	1.3	0.9	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Water Truck	On-Site	0.0	1.5	1.5	3.0	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
Subtotal		129.7	142.8	141.0	155.6	149.8	147.9	147.9	147.9	142.2	133.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL		1,917.8	1,962.1	1,941.0	1,939.9	1,933.9	1,933.5	1,905.3	1,761.6	1,631.1	1,607.7	653.9	202.9	202.9	202.9	202.9	202.9	202.9	199.1

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

Peak Daily Motor Vehicle SO _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	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	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	0.6	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	0.1	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		6.4	6.4	6.3	6.4	6.4	6.4	6.4	6.4	5.9	5.9	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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		3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	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	0.1	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	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		1.1	1.1	1.2	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																		
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	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
TOTAL		13.0	13.1	13.0	13.0	13.0	13.0	12.9	11.9	11.4	11.3	4.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3

Table Westera-5
Construction Motor Vehicle Peak Daily Travel and Emissions by Month, Western 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	1.7	1.3	1.7	1.6	1.5	1.5	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Worker Bus	Unpaved Road	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	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	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	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	0.2	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	0.7	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	0.0	0.0
Subtotal		45.6	45.4	45.1	45.6	45.3	45.3	45.5	45.1	42.7	42.5	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	0.4	0.3	0.3	0.3	0.3	0.4	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	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Unpaved Road	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	On-Site	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	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		23.3	23.6	23.5	23.5	23.5	23.4	23.5	23.4	23.2	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spreading Basins																			
Worker Commuting	Paved Road	0.6	0.6	0.6	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	0.9	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	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		8.0	8.0	8.0	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	0.7	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
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		6.6	6.9	6.9	7.2	7.0	7.0	7.0	7.0	6.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		92.4	93.2	92.8	92.4	92.2	92.1	91.8	84.8	82.1	81.7	32.4	9.3	9.3	9.3	9.3	9.3	9.3	9.2

Table Western-6
Peak Daily Fugitive PM10 Source Activity Levels and Emissions by Month, Western 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	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	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	189	189	147	189	168	168	168	189	21	0	0	0	0	0	0	0	0	0
Vehicles on Paved Roads	Miles	66,552	67,260	60,180	67,260	65,136	63,720	63,720	65,844	33,276	29,736	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	4,220	260	0	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	0	0	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	11	33	33	33	33	22	33	22	11	11	11	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	11	33	33	33	33	22	33	22	11	11	11	0	0	0	0	0	0	0
Vehicles on Paved Roads	Miles	18,084	24,660	23,701	24,112	24,112	23,290	24,797	21,509	19,454	18,084	17,262	0	0	0	0	0	0	0
Equipment Travel in Construction Areas	Miles	200	500	365	410	410	410	650	200	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Material Handling	Tons	1,620	2,484	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	17,557	17,557	19,548	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	885	885	930	455	860	1,130	30	0	0	0	0	0	0	0	0	0	0	0
Bulldozing	Hours	104	144	144	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	180	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	438	438	438	438	438	438	438	438	438	438	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	21	21	21	42	42	42	42	21	21	21	21	21	21	21	21	21	21	21
Vehicles on Paved Roads	Miles	5,310	8,496	8,319	12,213	10,620	10,443	10,443	8,673	6,549	177	177	177	177	177	177	177	177	177
Equipment Travel in Construction Areas	Miles	100	355	355	805	740	720	720	495	180	45	45	45	45	45	45	45	45	45
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 Western-7
Summary of Estimated Annual Construction Emissions, Western 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	42.93	4.06	23.96	0.14	0.90
Fugitive PM ₁₀	0.00	0.00	0.00	0.00	650.04
Subtotal	196.62	64.37	88.59	5.97	655.45
Cadiz Pumping Facility					
Construction Equipment Exhaust	7.35	2.39	4.19	0.37	0.26
Motor Vehicles	6.08	0.61	3.80	0.02	0.15
Fugitive PM ₁₀	0.00	0.00	0.00	0.00	128.74
Subtotal	13.43	3.01	8.00	0.39	129.16
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	7.32	0.65	3.08	0.02	0.07
Fugitive PM ₁₀	0.00	0.00	0.00	0.00	84.56
Subtotal	9.49	1.21	7.38	0.40	84.88
TOTAL	244.98	72.22	135.00	9.28	1,048.30
<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 Western-8
Construction Equipment Exhaust Annual Emissions, Western 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 Western-8
Construction Equipment Exhaust Annual Emissions, Western 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 Western-8
Construction Equipment Exhaust Annual Emissions, Western 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 Western-9
Construction Motor Vehicle Annual Emissions, Western 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	177	31,680	63,360	5,607,360	25.3	2.0	7.4	0.0	0.1
Worker Bus	Unpaved Road	21	1,267	2,534	26,607	0.0	0.0	0.4	0.0	0.0
Material Delivery Truck	Paved Road	177	4,993	9,986	883,761	6.1	0.8	11.2	0.1	0.6
Material Delivery Truck	Unpaved Road	21	4,993	0	104,853	0.8	0.1	1.0	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	4.5	0.4	2.0	0.0	0.1
Subtotal						42.9	4.1	24.0	0.1	0.9
Cadiz Pumping Facility										
Worker Commuting	Paved Road	137	5,748	11,496	787,476	3.6	0.3	1.1	0.0	0.0
Worker Bus	Unpaved Road	11	230	460	2,530	0.0	0.0	0.0	0.0	0.0
Material Delivery Truck	Paved Road	137	770	1,540	105,490	0.7	0.1	1.3	0.0	0.1
Material Delivery Truck	Unpaved Road	137	770	1,540	105,490	0.8	0.1	1.0	0.0	0.1
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						6.1	0.6	3.8	0.0	0.2
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	177	5,731	11,462	1,014,387	4.6	0.4	1.3	0.0	0.0
Worker Bus	Unpaved Road	21	229	458	4,809	0.0	0.0	0.1	0.0	0.0
Material Delivery Truck	Paved Road	177	237	474	41,949	0.3	0.0	0.5	0.0	0.0
Material Delivery Truck	Unpaved Road	21	237	0	4,977	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						67.5	6.3	35.3	0.2	1.2

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

Activity	Activity Units	Activity Level	Emission Factor (lb/activity)	Emissions (tons/yr)
Conveyance Facility				
Material Delivery Trucks on Unpaved Roads	Miles	100,263	1.96	98.4
Cement Trucks within the Alignment	Miles	4,590	1.96	4.5
Worker Buses on Unpaved Roads	Miles	26,607	1.96	26.1
Vehicles on Paved Roads	Miles	6,491,121	0.00402	13.1
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				650.0
Cadiz Pumping Facility				
Material Delivery Trucks on Unpaved Roads	Miles	105,490	1.96	103.5
Cement Trucks within the Alignment	Miles	0	1.96	0.0
Worker Buses on Unpaved Roads	Miles	2,530	1.96	2.5
Vehicles on Paved Roads	Miles	892,966	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				128.7
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	4,977	1.96	4.9
Cement Trucks within the Alignment	Miles	450	1.96	0.4
Worker Buses on Unpaved Roads	Miles	4,809	1.96	4.7
Vehicles on Paved Roads	Miles	1,056,336	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				84.6
TOTAL				1,040.4