

Appendix L

Air Quality Modeling Results

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> SB 16.6R					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	26	111	144	8	8	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	26	111	144	8	8	0
Total (tons/construction project)	0.59	2.49	3.40	0.19	0.19	0.00

<-tons

Notes: Project Start Year -> 2008
 Project Length (months) -> 3
 Total Project Area (acres) -> 1
 Maximum Area Disturbed/Day (acres) -> 0
 Total Soil Imported/Exported (yd³/day)-> 241

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> SB 16.6R					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	12	51	65	4	4	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	12	51	65	4	4	0
Total (megagrams/construction project)	0.53	2.26	3.09	0.18	0.18	0.00

<-megagrams

Notes: Project Start Year -> 2008
 Project Length (months) -> 3
 Total Project Area (hectares) -> 0
 Maximum Area Disturbed/Day (hectares) -> 0
 Total Soil Imported/Exported (meters³/day)-> 184

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> CS 21.8R					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	26	111	144	8	8	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	26	111	144	8	8	0
Total (tons/construction project)	0.59	2.49	3.40	0.19	0.19	0.00
Notes:	Project Start Year -> 2008					
	Project Length (months) -> 3					
	Total Project Area (acres) -> 1					
	Maximum Area Disturbed/Day (acres) -> 0					
	Total Soil Imported/Exported (yd ³ /day)-> 133					

<-tons

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> CS 21.8R					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	12	51	65	4	4	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	12	51	65	4	4	0
Total (megagrams/construction project)	0.53	2.26	3.09	0.18	0.18	0.00
Notes:	Project Start Year -> 2008					
	Project Length (months) -> 3					
	Total Project Area (hectares) -> 1					
	Maximum Area Disturbed/Day (hectares) -> 0					
	Total Soil Imported/Exported (meters ³ /day)-> 102					

<-megagrams

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> Sac 49.7L					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	26	111	144	8	8	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	26	111	144	8	8	0
Total (tons/construction project)	0.59	2.49	3.40	0.19	0.19	0.00
Notes:	Project Start Year -> 2008					
	Project Length (months) -> 3					
	Total Project Area (acres) -> 1					
	Maximum Area Disturbed/Day (acres) -> 0					
	Total Soil Imported/Exported (yd ³ /day)-> 99					

<-tons

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> Sac 49.7L					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	12	51	65	4	4	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	12	51	65	4	4	0
Total (megagrams/construction project)	0.53	2.26	3.09	0.18	0.18	0.00
Notes:	Project Start Year -> 2008					
	Project Length (months) -> 3					
	Total Project Area (hectares) -> 0					
	Maximum Area Disturbed/Day (hectares) -> 0					
	Total Soil Imported/Exported (meters ³ /day)-> 76					

<-megagrams

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> Sac 52.3L					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	26	111	144	8	8	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	26	111	144	8	8	0
Total (tons/construction project)	0.59	2.49	3.40	0.19	0.19	0.00
Notes:	Project Start Year -> 2008					
	Project Length (months) -> 3					
	Total Project Area (acres) -> 3					
	Maximum Area Disturbed/Day (acres) -> 0					
	Total Soil Imported/Exported (yd ³ /day)-> 440					

<-tons

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> Sac 52.3L					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	12	51	65	4	4	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	12	51	65	4	4	0
Total (megagrams/construction project)	0.53	2.26	3.09	0.18	0.18	0.00
Notes:	Project Start Year -> 2008					
	Project Length (months) -> 3					
	Total Project Area (hectares) -> 1					
	Maximum Area Disturbed/Day (hectares) -> 0					
	Total Soil Imported/Exported (meters ³ /day)-> 336					

<-megagrams

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> LAR 0.3L					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	18	80	103	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	18	80	103	11	6	5
Total (tons/construction project)	0.42	1.87	2.43	0.25	0.14	0.12

<-tons

Notes: Project Start Year -> 2008
 Project Length (months) -> 3
 Total Project Area (acres) -> 1
 Maximum Area Disturbed/Day (acres) -> 0
 Total Soil Imported/Exported (yd³/day)-> 130

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> LAR 0.3L					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	8	36	47	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	8	36	47	5	3	2
Total (megagrams/construction project)	0.38	1.70	2.20	0.23	0.12	0.11

<-megagrams

Notes: Project Start Year -> 2008
 Project Length (months) -> 3
 Total Project Area (hectares) -> 0
 Maximum Area Disturbed/Day (hectares) -> 0
 Total Soil Imported/Exported (meters³/day)-> 99

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> LAR 2.8L					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	19	89	114	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	19	89	114	11	6	5
Total (tons/construction project)	0.45	2.12	2.64	0.26	0.14	0.12
Notes:	Project Start Year ->	2008				
	Project Length (months) ->	3				
	Total Project Area (acres) ->	1				
	Maximum Area Disturbed/Day (acres) ->	0				
	Total Soil Imported/Exported (yd ³ /day)->	221				

<-tons

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> LAR 2.8L					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	9	41	52	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	9	41	52	5	3	2
Total (megagrams/construction project)	0.40	1.92	2.39	0.24	0.13	0.11
Notes:	Project Start Year ->	2008				
	Project Length (months) ->	3				
	Total Project Area (hectares) ->	0				
	Maximum Area Disturbed/Day (hectares) ->	0				
	Total Soil Imported/Exported (meters ³ /day)->	169				

<-megagrams

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> Sac 53.5R					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	19	85	108	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	19	85	108	11	6	5
Total (tons/construction project)	0.43	2.00	2.53	0.26	0.14	0.12
Notes:	Project Start Year -> 2008					
	Project Length (months) -> 3					
	Total Project Area (acres) -> 2					
	Maximum Area Disturbed/Day (acres) -> 0					
	Total Soil Imported/Exported (yd ³ /day)-> 171					

<-tons

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> Sac 53.5R					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	8	38	49	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	8	38	49	5	3	2
Total (megagrams/construction project)	0.39	1.81	2.30	0.23	0.13	0.11
Notes:	Project Start Year -> 2008					
	Project Length (months) -> 3					
	Total Project Area (hectares) -> 1					
	Maximum Area Disturbed/Day (hectares) -> 0					
	Total Soil Imported/Exported (meters ³ /day)-> 131					

<-megagrams

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> Sac 177.8R					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	19	85	108	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	19	85	108	11	6	5
Total (tons/construction project)	0.43	2.00	2.53	0.26	0.14	0.12

<-tons

Notes: Project Start Year -> 2008
 Project Length (months) -> 3
 Total Project Area (acres) -> 2
 Maximum Area Disturbed/Day (acres) -> 0
 Total Soil Imported/Exported (yd³/day)-> 179

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> Sac 177.8R					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	8	38	49	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	8	38	49	5	3	2
Total (megagrams/construction project)	0.39	1.81	2.30	0.23	0.13	0.11

<-megagrams

Notes: Project Start Year -> 2008
 Project Length (months) -> 3
 Total Project Area (hectares) -> 1
 Maximum Area Disturbed/Day (hectares) -> 0
 Total Soil Imported/Exported (meters³/day)-> 137

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> Sac 16.8L					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	19	89	114	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	19	89	114	11	6	5
Total (tons/construction project)	0.45	2.12	2.64	0.26	0.14	0.12
Notes:	Project Start Year -> 2009					
	Project Length (months) -> 3					
	Total Project Area (acres) -> 1					
	Maximum Area Disturbed/Day (acres) -> 0					
	Total Soil Imported/Exported (yd ³ /day)-> 212					

<-tons

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> Sac 16.8L					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	9	41	52	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	9	41	52	5	3	2
Total (megagrams/construction project)	0.40	1.92	2.39	0.24	0.13	0.11
Notes:	Project Start Year -> 2009					
	Project Length (months) -> 3					
	Total Project Area (hectares) -> 0					
	Maximum Area Disturbed/Day (hectares) -> 0					
	Total Soil Imported/Exported (meters ³ /day)-> 162					

<-megagrams

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> Sac 42.7R					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	18	76	98	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	18	76	98	11	6	5
Total (tons/construction project)	0.41	1.75	2.32	0.25	0.13	0.12
Notes:	Project Start Year ->	2009				
	Project Length (months) ->	3				
	Total Project Area (acres) ->	1				
	Maximum Area Disturbed/Day (acres) ->	0				
	Total Soil Imported/Exported (yd ³ /day)->	105				

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> Sac 42.7R					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	8	34	44	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	8	34	44	5	3	2
Total (megagrams/construction project)	0.37	1.58	2.11	0.23	0.12	0.11
Notes:	Project Start Year ->	2009				
	Project Length (months) ->	3				
	Total Project Area (hectares) ->	0				
	Maximum Area Disturbed/Day (hectares) ->	0				
	Total Soil Imported/Exported (meters ³ /day)->	80				

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> Sac 55.2L					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	20	98	124	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	20	98	124	11	6	5
Total (tons/construction project)	0.47	2.37	2.85	0.27	0.15	0.12

<-tons

Notes: Project Start Year -> 2009
 Project Length (months) -> 3
 Total Project Area (acres) -> 2
 Maximum Area Disturbed/Day (acres) -> 0
 Total Soil Imported/Exported (yd³/day)-> 303

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> Sac 55.2L					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	9	45	57	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	9	45	57	5	3	2
Total (megagrams/construction project)	0.42	2.15	2.58	0.24	0.14	0.11

<-megagrams

Notes: Project Start Year -> 2009
 Project Length (months) -> 3
 Total Project Area (hectares) -> 1
 Maximum Area Disturbed/Day (hectares) -> 0
 Total Soil Imported/Exported (meters³/day)-> 232

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Road Construction Emissions Model, Version 5.2

Emission Estimates for -> Sac 77.2L					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	19	87	111	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	19	87	111	11	6	5
Total (tons/construction project)	0.44	2.06	2.59	0.26	0.14	0.12

<-tons

Notes: Project Start Year -> 2009
 Project Length (months) -> 3
 Total Project Area (acres) -> 1
 Maximum Area Disturbed/Day (acres) -> 0
 Total Soil Imported/Exported (yd³/day)-> 194

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> Sac 77.2L					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	9	40	50	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	9	40	50	5	3	2
Total (megagrams/construction project)	0.40	1.87	2.35	0.23	0.13	0.11

<-megagrams

Notes: Project Start Year -> 2009
 Project Length (months) -> 3
 Total Project Area (hectares) -> 1
 Maximum Area Disturbed/Day (hectares) -> 0
 Total Soil Imported/Exported (meters³/day)-> 148

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

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Emission Estimates for -> F 28.5R					Exhaust	Fugitive Dust
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	21	102	127	11	6	5
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (pounds/day)	21	102	127	11	6	5
Total (tons/construction project)	0.49	2.51	2.86	0.27	0.15	0.12
Notes:	Project Start Year ->	2009				
	Project Length (months) ->	3				
	Total Project Area (acres) ->	2				
	Maximum Area Disturbed/Day (acres) ->	0				
	Total Soil Imported/Exported (yd ³ /day)->	422				

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.

Emission Estimates for -> F 28.5R					Exhaust	Fugitive Dust
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	9	46	58	5	3	2
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0
Maximum (kilograms/day)	9	46	58	5	3	2
Total (megagrams/construction project)	0.44	2.28	2.60	0.24	0.14	0.11
Notes:	Project Start Year ->	2009				
	Project Length (months) ->	3				
	Total Project Area (hectares) ->	1				
	Maximum Area Disturbed/Day (hectares) ->	0				
	Total Soil Imported/Exported (meters ³ /day)->	322				

PM10 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I.