

APPENDIX C

URBEMIS AIR QUALITY DATA

URBEMIS 2002 For Windows 8.7.0

File Name: <Not Saved>
Project Name: Agua Hedionda - Calavera Creek Improvement
Project Location: San Diego County
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2006 ***							
TOTALS (tpy, unmitigated)	0.48	3.36	3.93	0.00	0.27	0.14	0.13
TOTALS (tpy, mitigated)	0.48	3.36	3.93	0.00	0.21	0.14	0.07
*** 2007 ***							
TOTALS (tpy, unmitigated)	0.49	3.23	4.00	0.00	0.25	0.12	0.13
TOTALS (tpy, mitigated)	0.49	3.23	4.00	0.00	0.19	0.12	0.07

URBEMIS 2002 For Windows 8.7.0

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 Project Name: Agua Hedionda - Calavera Creek Improvement
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DETAIL REPORT
 (Tons/Year)

Construction Start Month and Year: October, 2006
 Construction Duration: 6
 Total Land Use Area to be Developed: 10 acres
 Maximum Acreage Disturbed Per Day: 0.4 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 0

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (tons/year)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2006***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.13	-	0.13
Off-Road Diesel	0.47	3.14	3.79	-	0.14	0.14	0.00
On-Road Diesel	0.01	0.21	0.04	0.00	0.01	0.00	0.00
Worker Trips	0.00	0.01	0.10	0.00	0.00	0.00	0.00
Total tons/year	0.48	3.36	3.93	0.00	0.27	0.14	0.13
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Bldg Const Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total all phases tons/yr	0.48	3.36	3.93	0.00	0.27	0.14	0.13
*** 2007***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.13	-	0.13
Off-Road Diesel	0.47	3.03	3.85	-	0.12	0.12	0.00
On-Road Diesel	0.01	0.19	0.04	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.01	0.11	0.00	0.00	0.00	0.00
Total tons/year	0.49	3.23	4.00	0.00	0.25	0.12	0.13
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Bldg Const Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total all phases tons/yr	0.49	3.23	4.00	0.00	0.25	0.12	0.13

Phase 3 - Building Construction Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Oct '06
Phase 2 Duration: 6 months
On-Road Truck Travel (VMT): 228
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Cranes	190	0.430	6.0
1	Off Highway Tractors	255	0.410	8.0
2	Off Highway Trucks	417	0.490	8.0
1	Scrapers	313	0.660	6.0
2	Tractor/Loaders/Backhoes	79	0.465	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Phase 2 mitigation measure Soil Disturbance: Replace ground cover in disturbed areas quickly
has been changed from off to on.
Phase 2 mitigation measure Soil Disturbance: Water exposed surfaces - 2x daily
has been changed from off to on.