

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 1.urb
 Project Name: Amargosa Medical District Phase 1 Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2011 ***							
TOTALS (lbs/day, unmitigated)	26.52	168.23	220.50	0.00	28.50	6.49	22.01
TOTALS (lbs/day, mitigated)	26.52	168.23	220.50	0.00	13.54	6.49	7.05
*** 2012 ***							
TOTALS (lbs/day, unmitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
TOTALS (lbs/day, mitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
*** 2013 ***							
TOTALS (lbs/day, unmitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
TOTALS (lbs/day, mitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
*** 2014 ***							
TOTALS (lbs/day, unmitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
TOTALS (lbs/day, mitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
*** 2015 ***							
TOTALS (lbs/day, unmitigated)	69.53	191.62	256.14	0.00	7.32	7.14	0.18
TOTALS (lbs/day, mitigated)	69.53	191.62	256.14	0.00	7.32	7.14	0.18

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 Project Name: Amargosa Medical District Phase 1 Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Winter)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2011 ***							
TOTALS (lbs/day, unmitigated)	26.52	168.23	220.50	0.00	28.50	6.49	22.01
TOTALS (lbs/day, mitigated)	26.52	168.23	220.50	0.00	13.54	6.49	7.05
*** 2012 ***							
TOTALS (lbs/day, unmitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
TOTALS (lbs/day, mitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
*** 2013 ***							
TOTALS (lbs/day, unmitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
TOTALS (lbs/day, mitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
*** 2014 ***							
TOTALS (lbs/day, unmitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
TOTALS (lbs/day, mitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
*** 2015 ***							
TOTALS (lbs/day, unmitigated)	69.53	191.62	256.14	0.00	7.32	7.14	0.18
TOTALS (lbs/day, mitigated)	69.53	191.62	256.14	0.00	7.32	7.14	0.18

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File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
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 Project Name: Amargosa Medical District Phase 1 Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Winter)

Construction Start Month and Year: January, 2011
 Construction Duration: 60
 Total Land Use Area to be Developed: 9 acres
 Maximum Acreage Disturbed Per Day: 2.2 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 195000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2011***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	22.00	-	22.00
Off-Road Diesel	17.23	112.15	141.61	-	4.48	4.48	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.12	0.23	2.69	0.00	0.02	0.01	0.01
Maximum lbs/day	17.35	112.38	144.30	0.00	26.50	4.49	22.01
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	28.50	6.49	22.01

*** 2012***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09

Max lbs/day all phases

26.52	168.23	220.50	0.00	6.58	6.49	0.09
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*** 2013***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09

Max lbs/day all phases

26.52	168.23	220.50	0.00	6.58	6.49	0.09
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*** 2014***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09

Max lbs/day all phases 26.52 168.23 220.50 0.00 6.58 6.49 0.09

*** 2015***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.23	0.13	3.06	0.00	0.10	0.01	0.09
Arch Coatings Off-Gas	38.80	-	-	-	-	-	-
Arch Coatings Worker Trips	0.23	0.13	3.06	0.00	0.10	0.01	0.09
Asphalt Off-Gas	0.10	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.01	0.15	0.04	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00
Maximum lbs/day	69.53	191.62	256.14	0.00	7.32	7.14	0.18

Max lbs/day all phases 69.53 191.62 256.14 0.00 7.32 7.14 0.18

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '11

Phase 2 Duration: 6.6 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
4	Rubber Tired Dozers	352	0.590	8.0
4	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '11

Phase 3 Duration: 53.4 months

Start Month/Year for SubPhase Building: Jul '11

SubPhase Building Duration: 53.4 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
4	Concrete/Industrial saws	84	0.730	8.0
9	Other Equipment	190	0.620	8.0
4	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Jul '15

SubPhase Architectural Coatings Duration: 5.3 months

Start Month/Year for SubPhase Asphalt: Oct '15

SubPhase Asphalt Duration: 2.7 months

Acres to be Paved: 2.2

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2011***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	7.04	-	7.04
Off-Road Diesel	17.23	112.15	141.61	-	4.48	4.48	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.12	0.23	2.69	0.00	0.02	0.01	0.01
Maximum lbs/day	17.35	112.38	144.30	0.00	11.54	4.49	7.05
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	13.54	6.49	7.05
*** 2012***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	6.58	6.49	0.09

*** 2013***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	6.58	6.49	0.09

*** 2014***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	6.58	6.49	0.09

*** 2015***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.23	0.13	3.06	0.00	0.10	0.01	0.09
Arch Coatings Off-Gas	38.80	-	-	-	-	-	-
Arch Coatings Worker Trips	0.23	0.13	3.06	0.00	0.10	0.01	0.09
Asphalt Off-Gas	0.10	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.01	0.15	0.04	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00
Maximum lbs/day	69.53	191.62	256.14	0.00	7.32	7.14	0.18
Max lbs/day all phases	69.53	191.62	256.14	0.00	7.32	7.14	0.18

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily

Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '11

Phase 2 Duration: 6.6 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
4	Rubber Tired Dozers	352	0.590	8.0
4	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '11

Phase 3 Duration: 53.4 months

Start Month/Year for SubPhase Building: Jul '11

SubPhase Building Duration: 53.4 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
4	Concrete/Industrial saws	84	0.730	8.0
9	Other Equipment	190	0.620	8.0
4	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Jul '15

SubPhase Architectural Coatings Duration: 5.3 months

Start Month/Year for SubPhase Asphalt: Oct '15

SubPhase Asphalt Duration: 2.7 months

Acres to be Paved: 2.2

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 1.urb
 Project Name: Amargosa Medical District Phase 1 Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Summer)

Construction Start Month and Year: January, 2011
 Construction Duration: 60
 Total Land Use Area to be Developed: 9 acres
 Maximum Acreage Disturbed Per Day: 2.2 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 195000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2011***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	22.00	-	22.00
Off-Road Diesel	17.23	112.15	141.61	-	4.48	4.48	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.12	0.23	2.69	0.00	0.02	0.01	0.01
Maximum lbs/day	17.35	112.38	144.30	0.00	26.50	4.49	22.01
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	28.50	6.49	22.01

*** 2012***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09

Max lbs/day all phases

26.52	168.23	220.50	0.00	6.58	6.49	0.09
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*** 2013***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09

Max lbs/day all phases

26.52	168.23	220.50	0.00	6.58	6.49	0.09
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*** 2014***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	6.58	6.49	0.09

*** 2015***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.23	0.13	3.06	0.00	0.10	0.01	0.09
Arch Coatings Off-Gas	38.80	-	-	-	-	-	-
Arch Coatings Worker Trips	0.23	0.13	3.06	0.00	0.10	0.01	0.09
Asphalt Off-Gas	0.10	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.01	0.15	0.04	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00
Maximum lbs/day	69.53	191.62	256.14	0.00	7.32	7.14	0.18
Max lbs/day all phases	69.53	191.62	256.14	0.00	7.32	7.14	0.18

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '11

Phase 2 Duration: 6.6 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
4	Rubber Tired Dozers	352	0.590	8.0
4	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '11

Phase 3 Duration: 53.4 months

Start Month/Year for SubPhase Building: Jul '11

SubPhase Building Duration: 53.4 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
4	Concrete/Industrial saws	84	0.730	8.0
9	Other Equipment	190	0.620	8.0
4	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Jul '15

SubPhase Architectural Coatings Duration: 5.3 months

Start Month/Year for SubPhase Asphalt: Oct '15

SubPhase Asphalt Duration: 2.7 months

Acres to be Paved: 2.2

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2011***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	7.04	-	7.04
Off-Road Diesel	17.23	112.15	141.61	-	4.48	4.48	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.12	0.23	2.69	0.00	0.02	0.01	0.01
Maximum lbs/day	17.35	112.38	144.30	0.00	11.54	4.49	7.05
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	13.54	6.49	7.05
*** 2012***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09
Max lbs/day all phases	26.52	168.23	220.50	0.00	6.58	6.49	0.09

*** 2013***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09

Max lbs/day all phases

26.52	168.23	220.50	0.00	6.58	6.49	0.09
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*** 2014***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.37	0.22	4.65	0.00	0.10	0.01	0.09
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
Maximum lbs/day	26.52	168.23	220.50	0.00	6.58	6.49	0.09

Max lbs/day all phases

26.52	168.23	220.50	0.00	6.58	6.49	0.09
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*** 2015***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	26.15	168.01	215.84	-	6.48	6.48	0.00
Bldg Const Worker Trips	0.23	0.13	3.06	0.00	0.10	0.01	0.09
Arch Coatings Off-Gas	38.80	-	-	-	-	-	-
Arch Coatings Worker Trips	0.23	0.13	3.06	0.00	0.10	0.01	0.09
Asphalt Off-Gas	0.10	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.01	0.15	0.04	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00
Maximum lbs/day	69.53	191.62	256.14	0.00	7.32	7.14	0.18
Max lbs/day all phases	69.53	191.62	256.14	0.00	7.32	7.14	0.18

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily

Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '11

Phase 2 Duration: 6.6 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
4	Rubber Tired Dozers	352	0.590	8.0
4	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '11

Phase 3 Duration: 53.4 months

Start Month/Year for SubPhase Building: Jul '11

SubPhase Building Duration: 53.4 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
4	Concrete/Industrial saws	84	0.730	8.0
9	Other Equipment	190	0.620	8.0
4	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Jul '15

SubPhase Architectural Coatings Duration: 5.3 months

Start Month/Year for SubPhase Asphalt: Oct '15

SubPhase Asphalt Duration: 2.7 months

Acres to be Paved: 2.2

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft² (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 2.urb
 Project Name: Amargosa Medical District Phase 2 Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2014 ***							
TOTALS (lbs/day,unmitigated)	18.29	116.01	152.03	0.00	18.47	4.46	14.01
TOTALS (lbs/day, mitigated)	18.29	116.01	152.03	0.00	8.95	4.46	4.49
*** 2015 ***							
TOTALS (lbs/day,unmitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
TOTALS (lbs/day, mitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
*** 2016 ***							
TOTALS (lbs/day,unmitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
TOTALS (lbs/day, mitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
*** 2017 ***							
TOTALS (lbs/day,unmitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
TOTALS (lbs/day, mitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
*** 2018 ***							
TOTALS (lbs/day,unmitigated)	46.96	139.35	187.12	0.00	5.22	5.10	0.12
TOTALS (lbs/day, mitigated)	46.96	139.35	187.12	0.00	5.22	5.10	0.12

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 2.urb
 Project Name: Amargosa Medical District Phase 2 Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Winter)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2014 ***							
TOTALS (lbs/day,unmitigated)	18.29	116.01	152.03	0.00	18.47	4.46	14.01
TOTALS (lbs/day, mitigated)	18.29	116.01	152.03	0.00	8.95	4.46	4.49
*** 2015 ***							
TOTALS (lbs/day,unmitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
TOTALS (lbs/day, mitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
*** 2016 ***							
TOTALS (lbs/day,unmitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
TOTALS (lbs/day, mitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
*** 2017 ***							
TOTALS (lbs/day,unmitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
TOTALS (lbs/day, mitigated)	18.20	115.96	151.02	0.00	4.52	4.46	0.06
*** 2018 ***							
TOTALS (lbs/day,unmitigated)	46.96	139.35	187.12	0.00	5.22	5.10	0.12
TOTALS (lbs/day, mitigated)	46.96	139.35	187.12	0.00	5.22	5.10	0.12

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 2.urb
 Project Name: Amargosa Medical District Phase 2 Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Winter)

Construction Start Month and Year: January, 2014
 Construction Duration: 60
 Total Land Use Area to be Developed: 5.7 acres
 Maximum Acreage Disturbed Per Day: 1.4 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 123300

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2014***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	14.00	-	14.00
Off-Road Diesel	12.92	84.11	106.21	-	3.36	3.36	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.10	0.19	2.15	0.00	0.01	0.00	0.01
Maximum lbs/day	13.02	84.30	108.36	0.00	17.37	3.36	14.01
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.23	0.14	2.94	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.29	116.01	152.03	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.29	116.01	152.03	0.00	18.47	4.46	14.01

*** 2015***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2016***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2017***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2018***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
Arch Coatings Off-Gas	24.53	-	-	-	-	-	-
Arch Coatings Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
Asphalt Off-Gas	0.06	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.01	0.09	0.03	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00
Maximum lbs/day	46.96	139.35	187.12	0.00	5.22	5.10	0.12
Max lbs/day all phases	46.96	139.35	187.12	0.00	5.22	5.10	0.12

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '14

Phase 2 Duration: 6.6 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Rubber Tired Dozers	352	0.590	8.0
3	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '14

Phase 3 Duration: 53.4 months

Start Month/Year for SubPhase Building: Jul '14

SubPhase Building Duration: 53.4 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Concrete/Industrial saws	84	0.730	8.0
6	Other Equipment	190	0.620	8.0
3	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Jul '18

SubPhase Architectural Coatings Duration: 5.3 months

Start Month/Year for SubPhase Asphalt: Oct '18

SubPhase Asphalt Duration: 2.7 months

Acres to be Paved: 1.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2014***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	4.48	-	4.48
Off-Road Diesel	12.92	84.11	106.21	-	3.36	3.36	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.10	0.19	2.15	0.00	0.01	0.00	0.01
Maximum lbs/day	13.02	84.30	108.36	0.00	7.85	3.36	4.49
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.23	0.14	2.94	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.29	116.01	152.03	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.29	116.01	152.03	0.00	8.95	4.46	4.49
*** 2015***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2016***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2017***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2018***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
Arch Coatings Off-Gas	24.53	-	-	-	-	-	-
Arch Coatings Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
Asphalt Off-Gas	0.06	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.01	0.09	0.03	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00
Maximum lbs/day	46.96	139.35	187.12	0.00	5.22	5.10	0.12
Max lbs/day all phases	46.96	139.35	187.12	0.00	5.22	5.10	0.12

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily

Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '14

Phase 2 Duration: 6.6 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Rubber Tired Dozers	352	0.590	8.0
3	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '14

Phase 3 Duration: 53.4 months

Start Month/Year for SubPhase Building: Jul '14

SubPhase Building Duration: 53.4 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Concrete/Industrial saws	84	0.730	8.0
6	Other Equipment	190	0.620	8.0
3	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Jul '18

SubPhase Architectural Coatings Duration: 5.3 months

Start Month/Year for SubPhase Asphalt: Oct '18

SubPhase Asphalt Duration: 2.7 months

Acres to be Paved: 1.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 2.urb
 Project Name: Amargosa Medical District Phase 2 Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Summer)

Construction Start Month and Year: January, 2014
 Construction Duration: 60
 Total Land Use Area to be Developed: 5.7 acres
 Maximum Acreage Disturbed Per Day: 1.4 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 123300

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2014***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	14.00	-	14.00
Off-Road Diesel	12.92	84.11	106.21	-	3.36	3.36	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.10	0.19	2.15	0.00	0.01	0.00	0.01
Maximum lbs/day	13.02	84.30	108.36	0.00	17.37	3.36	14.01
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.23	0.14	2.94	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.29	116.01	152.03	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.29	116.01	152.03	0.00	18.47	4.46	14.01

*** 2015***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2016***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2017***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2018***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
Arch Coatings Off-Gas	24.53	-	-	-	-	-	-
Arch Coatings Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
Asphalt Off-Gas	0.06	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.01	0.09	0.03	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00
Maximum lbs/day	46.96	139.35	187.12	0.00	5.22	5.10	0.12
Max lbs/day all phases	46.96	139.35	187.12	0.00	5.22	5.10	0.12

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '14

Phase 2 Duration: 6.6 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Rubber Tired Dozers	352	0.590	8.0
3	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '14

Phase 3 Duration: 53.4 months

Start Month/Year for SubPhase Building: Jul '14

SubPhase Building Duration: 53.4 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Concrete/Industrial saws	84	0.730	8.0
6	Other Equipment	190	0.620	8.0
3	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Jul '18

SubPhase Architectural Coatings Duration: 5.3 months

Start Month/Year for SubPhase Asphalt: Oct '18

SubPhase Asphalt Duration: 2.7 months

Acres to be Paved: 1.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2014***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	4.48	-	4.48
Off-Road Diesel	12.92	84.11	106.21	-	3.36	3.36	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.10	0.19	2.15	0.00	0.01	0.00	0.01
Maximum lbs/day	13.02	84.30	108.36	0.00	7.85	3.36	4.49
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.23	0.14	2.94	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.29	116.01	152.03	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.29	116.01	152.03	0.00	8.95	4.46	4.49
*** 2015***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2016***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2017***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
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
Maximum lbs/day	18.20	115.96	151.02	0.00	4.52	4.46	0.06
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

*** 2018***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	18.06	115.87	149.09	-	4.46	4.46	0.00
Bldg Const Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
Arch Coatings Off-Gas	24.53	-	-	-	-	-	-
Arch Coatings Worker Trips	0.14	0.09	1.93	0.00	0.06	0.00	0.06
Asphalt Off-Gas	0.06	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.01	0.09	0.03	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00
Maximum lbs/day	46.96	139.35	187.12	0.00	5.22	5.10	0.12
Max lbs/day all phases	46.96	139.35	187.12	0.00	5.22	5.10	0.12

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily

Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '14

Phase 2 Duration: 6.6 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Rubber Tired Dozers	352	0.590	8.0
3	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '14

Phase 3 Duration: 53.4 months

Start Month/Year for SubPhase Building: Jul '14

SubPhase Building Duration: 53.4 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Concrete/Industrial saws	84	0.730	8.0
6	Other Equipment	190	0.620	8.0
3	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Jul '18

SubPhase Architectural Coatings Duration: 5.3 months

Start Month/Year for SubPhase Asphalt: Oct '18

SubPhase Asphalt Duration: 2.7 months

Acres to be Paved: 1.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt1.urb
 Project Name: Amargosa Medical District Phase 3 Construction pt 1
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020 ***							
TOTALS (lbs/day,unmitigated)	6.05	38.64	50.08	0.00	5.49	1.49	4.00
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	2.77	1.49	1.28
*** 2021 ***							
TOTALS (lbs/day,unmitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
*** 2022 ***							
TOTALS (lbs/day,unmitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
*** 2023 ***							
TOTALS (lbs/day,unmitigated)	19.18	61.88	84.56	0.00	2.17	2.13	0.04
TOTALS (lbs/day, mitigated)	19.18	61.88	84.56	0.00	2.17	2.13	0.04

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt1.urb
 Project Name: Amargosa Medical District Phase 3 Construction pt 1
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Winter)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	5.49	1.49	4.00
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	2.77	1.49	1.28
*** 2021 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
*** 2022 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
*** 2023 ***							
TOTALS (lbs/day, unmitigated)	19.18	61.88	84.56	0.00	2.17	2.13	0.04
TOTALS (lbs/day, mitigated)	19.18	61.88	84.56	0.00	2.17	2.13	0.04

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt1.urb
 Project Name: Amargosa Medical District Phase 3 Construction pt 1
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Winter)

Construction Start Month and Year: January, 2020
 Construction Duration: 48
 Total Land Use Area to be Developed: 1.7 acres
 Maximum Acreage Disturbed Per Day: 0.4 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 36996

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	4.00	-	4.00
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	5.12	1.12	4.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	5.49	1.49	4.00

*** 2021***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases 6.05 38.64 50.08 0.00 1.51 1.49 0.02

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases 6.05 38.64 50.08 0.00 1.51 1.49 0.02

*** 2023***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Off-Gas	9.07	-	-	-	-	-	-
Arch Coatings Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Asphalt Off-Gas	0.02	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	19.18	61.88	84.56	0.00	2.17	2.13	0.04
Max lbs/day all phases	19.18	61.88	84.56	0.00	2.17	2.13	0.04

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '20

Phase 2 Duration: 5.3 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jun '20

Phase 3 Duration: 42.7 months

Start Month/Year for SubPhase Building: Jun '20

SubPhase Building Duration: 42.7 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Aug '23

SubPhase Architectural Coatings Duration: 4.3 months

Start Month/Year for SubPhase Asphalt: Oct '23

SubPhase Asphalt Duration: 2.1 months

Acres to be Paved: 0.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	1.28	-	1.28
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	2.40	1.12	1.28
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	2.77	1.49	1.28
*** 2021***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	1.51	1.49	0.02

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	1.51	1.49	0.02

*** 2023***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Off-Gas	9.07	-	-	-	-	-	-
Arch Coatings Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Asphalt Off-Gas	0.02	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	19.18	61.88	84.56	0.00	2.17	2.13	0.04
Max lbs/day all phases	19.18	61.88	84.56	0.00	2.17	2.13	0.04

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)
Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Jan '20
Phase 2 Duration: 5.3 months
On-Road Truck Travel (VMT): 0
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions
Start Month/Year for Phase 3: Jun '20
Phase 3 Duration: 42.7 months
Start Month/Year for SubPhase Building: Jun '20
SubPhase Building Duration: 42.7 months
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Aug '23
SubPhase Architectural Coatings Duration: 4.3 months
Start Month/Year for SubPhase Asphalt: Oct '23
SubPhase Asphalt Duration: 2.1 months
Acres to be Paved: 0.4
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft² (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt1.urb
 Project Name: Amargosa Medical District Phase 3 Construction pt 1
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Summer)

Construction Start Month and Year: January, 2020
 Construction Duration: 48
 Total Land Use Area to be Developed: 1.7 acres
 Maximum Acreage Disturbed Per Day: 0.4 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 36996

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	4.00	-	4.00
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	5.12	1.12	4.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	5.49	1.49	4.00

*** 2021***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases 6.05 38.64 50.08 0.00 1.51 1.49 0.02

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases 6.05 38.64 50.08 0.00 1.51 1.49 0.02

*** 2023***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Off-Gas	9.07	-	-	-	-	-	-
Arch Coatings Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Asphalt Off-Gas	0.02	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	19.18	61.88	84.56	0.00	2.17	2.13	0.04
Max lbs/day all phases	19.18	61.88	84.56	0.00	2.17	2.13	0.04

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '20

Phase 2 Duration: 5.3 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jun '20

Phase 3 Duration: 42.7 months

Start Month/Year for SubPhase Building: Jun '20

SubPhase Building Duration: 42.7 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Aug '23

SubPhase Architectural Coatings Duration: 4.3 months

Start Month/Year for SubPhase Asphalt: Oct '23

SubPhase Asphalt Duration: 2.1 months

Acres to be Paved: 0.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	1.28	-	1.28
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	2.40	1.12	1.28
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	2.77	1.49	1.28
*** 2021***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	1.51	1.49	0.02

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	1.51	1.49	0.02

*** 2023***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Off-Gas	9.07	-	-	-	-	-	-
Arch Coatings Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Asphalt Off-Gas	0.02	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	19.18	61.88	84.56	0.00	2.17	2.13	0.04
Max lbs/day all phases	19.18	61.88	84.56	0.00	2.17	2.13	0.04

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)
Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Jan '20
Phase 2 Duration: 5.3 months
On-Road Truck Travel (VMT): 0
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions
Start Month/Year for Phase 3: Jun '20
Phase 3 Duration: 42.7 months
Start Month/Year for SubPhase Building: Jun '20
SubPhase Building Duration: 42.7 months
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Aug '23
SubPhase Architectural Coatings Duration: 4.3 months
Start Month/Year for SubPhase Asphalt: Oct '23
SubPhase Asphalt Duration: 2.1 months
Acres to be Paved: 0.4
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt2.urb
 Project Name: Amargosa Medical District Phase 3 pt. 2
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	5.49	1.49	4.00
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	2.77	1.49	1.28
*** 2021 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
*** 2022 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
*** 2023 ***							
TOTALS (lbs/day, unmitigated)	19.18	61.88	84.56	0.00	2.17	2.13	0.04
TOTALS (lbs/day, mitigated)	19.18	61.88	84.56	0.00	2.17	2.13	0.04

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt2.urb
 Project Name: Amargosa Medical District Phase 3 pt. 2
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Winter)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	5.49	1.49	4.00
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	2.77	1.49	1.28
*** 2021 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
*** 2022 ***							
TOTALS (lbs/day, unmitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
TOTALS (lbs/day, mitigated)	6.05	38.64	50.08	0.00	1.51	1.49	0.02
*** 2023 ***							
TOTALS (lbs/day, unmitigated)	19.18	61.88	84.56	0.00	2.17	2.13	0.04
TOTALS (lbs/day, mitigated)	19.18	61.88	84.56	0.00	2.17	2.13	0.04

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt2.urb
Project Name: Amargosa Medical District Phase 3 pt. 2
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Winter)

Construction Start Month and Year: January, 2020
Construction Duration: 48
Total Land Use Area to be Developed: 1.7 acres
Maximum Acreage Disturbed Per Day: 0.4 acres
Single Family Units: 0 Multi-Family Units: 0
Retail/Office/Institutional/Industrial Square Footage: 36996

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	4.00	-	4.00
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	5.12	1.12	4.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	5.49	1.49	4.00

*** 2021***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases

6.05	38.64	50.08	0.00	1.51	1.49	0.02
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*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases

6.05	38.64	50.08	0.00	1.51	1.49	0.02
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*** 2023***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Off-Gas	9.07	-	-	-	-	-	-
Arch Coatings Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Asphalt Off-Gas	0.02	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	19.18	61.88	84.56	0.00	2.17	2.13	0.04
Max lbs/day all phases	19.18	61.88	84.56	0.00	2.17	2.13	0.04

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '20

Phase 2 Duration: 5.3 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jun '20

Phase 3 Duration: 42.7 months

Start Month/Year for SubPhase Building: Jun '20

SubPhase Building Duration: 42.7 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Aug '23

SubPhase Architectural Coatings Duration: 4.3 months

Start Month/Year for SubPhase Asphalt: Oct '23

SubPhase Asphalt Duration: 2.1 months

Acres to be Paved: 0.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	1.28	-	1.28
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	2.40	1.12	1.28
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	2.77	1.49	1.28
*** 2021***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	1.51	1.49	0.02

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases 6.05 38.64 50.08 0.00 1.51 1.49 0.02

*** 2023***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Off-Gas	9.07	-	-	-	-	-	-
Arch Coatings Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Asphalt Off-Gas	0.02	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	19.18	61.88	84.56	0.00	2.17	2.13	0.04

Max lbs/day all phases 19.18 61.88 84.56 0.00 2.17 2.13 0.04

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)
Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Jan '20
Phase 2 Duration: 5.3 months
On-Road Truck Travel (VMT): 0
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions
Start Month/Year for Phase 3: Jun '20
Phase 3 Duration: 42.7 months
Start Month/Year for SubPhase Building: Jun '20
SubPhase Building Duration: 42.7 months
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Aug '23
SubPhase Architectural Coatings Duration: 4.3 months
Start Month/Year for SubPhase Asphalt: Oct '23
SubPhase Asphalt Duration: 2.1 months
Acres to be Paved: 0.4
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft² (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt2.urb
 Project Name: Amargosa Medical District Phase 3 pt. 2
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Summer)

Construction Start Month and Year: January, 2020
 Construction Duration: 48
 Total Land Use Area to be Developed: 1.7 acres
 Maximum Acreage Disturbed Per Day: 0.4 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 36996

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	4.00	-	4.00
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	5.12	1.12	4.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	5.49	1.49	4.00

*** 2021***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases 6.05 38.64 50.08 0.00 1.51 1.49 0.02

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02

Max lbs/day all phases 6.05 38.64 50.08 0.00 1.51 1.49 0.02

*** 2023***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Off-Gas	9.07	-	-	-	-	-	-
Arch Coatings Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Asphalt Off-Gas	0.02	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	19.18	61.88	84.56	0.00	2.17	2.13	0.04
Max lbs/day all phases	19.18	61.88	84.56	0.00	2.17	2.13	0.04

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '20

Phase 2 Duration: 5.3 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jun '20

Phase 3 Duration: 42.7 months

Start Month/Year for SubPhase Building: Jun '20

SubPhase Building Duration: 42.7 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Aug '23

SubPhase Architectural Coatings Duration: 4.3 months

Start Month/Year for SubPhase Asphalt: Oct '23

SubPhase Asphalt Duration: 2.1 months

Acres to be Paved: 0.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	1.28	-	1.28
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	2.40	1.12	1.28
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	2.77	1.49	1.28
*** 2021***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	1.51	1.49	0.02

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
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
Maximum lbs/day	6.05	38.64	50.08	0.00	1.51	1.49	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	1.51	1.49	0.02

*** 2023***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	6.02	38.62	49.70	-	1.49	1.49	0.00
Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Off-Gas	9.07	-	-	-	-	-	-
Arch Coatings Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Asphalt Off-Gas	0.02	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	19.18	61.88	84.56	0.00	2.17	2.13	0.04
Max lbs/day all phases	19.18	61.88	84.56	0.00	2.17	2.13	0.04

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)
Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Jan '20
Phase 2 Duration: 5.3 months
On-Road Truck Travel (VMT): 0
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions
Start Month/Year for Phase 3: Jun '20
Phase 3 Duration: 42.7 months
Start Month/Year for SubPhase Building: Jun '20
SubPhase Building Duration: 42.7 months
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Aug '23
SubPhase Architectural Coatings Duration: 4.3 months
Start Month/Year for SubPhase Asphalt: Oct '23
SubPhase Asphalt Duration: 2.1 months
Acres to be Paved: 0.4
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft² (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt3.urb
Project Name: Amargosa Creek Medical District Phase 3 pt 3
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020 ***							
TOTALS (lbs/day, unmitigated)	4.32	28.06	35.63	0.00	5.12	1.12	4.00
TOTALS (lbs/day, mitigated)	4.32	28.06	35.63	0.00	2.40	1.12	1.28
*** 2021 ***							
TOTALS (lbs/day, unmitigated)	3.97	25.12	32.95	0.00	0.96	0.95	0.01
TOTALS (lbs/day, mitigated)	3.97	25.12	32.95	0.00	0.96	0.95	0.01
*** 2022 ***							
TOTALS (lbs/day, unmitigated)	18.18	48.35	67.37	0.00	1.61	1.59	0.02
TOTALS (lbs/day, mitigated)	18.18	48.35	67.37	0.00	1.61	1.59	0.02

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt3.urb
 Project Name: Amargosa Creek Medical District Phase 3 pt 3
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Winter)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020 ***							
TOTALS (lbs/day, unmitigated)	4.32	28.06	35.63	0.00	5.12	1.12	4.00
TOTALS (lbs/day, mitigated)	4.32	28.06	35.63	0.00	2.40	1.12	1.28
*** 2021 ***							
TOTALS (lbs/day, unmitigated)	3.97	25.12	32.95	0.00	0.96	0.95	0.01
TOTALS (lbs/day, mitigated)	3.97	25.12	32.95	0.00	0.96	0.95	0.01
*** 2022 ***							
TOTALS (lbs/day, unmitigated)	18.18	48.35	67.37	0.00	1.61	1.59	0.02
TOTALS (lbs/day, mitigated)	18.18	48.35	67.37	0.00	1.61	1.59	0.02

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt3.urb
 Project Name: Amargosa Creek Medical District Phase 3 pt 3
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Winter)

Construction Start Month and Year: January, 2020
 Construction Duration: 36
 Total Land Use Area to be Developed: 1.4 acres
 Maximum Acreage Disturbed Per Day: 0.4 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 30800

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	4.00	-	4.00
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	5.12	1.12	4.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
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
Maximum lbs/day	3.97	25.12	32.95	0.00	0.96	0.95	0.01
Max lbs/day all phases	4.32	28.06	35.63	0.00	5.12	1.12	4.00

*** 2021***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
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
Maximum lbs/day	3.97	25.12	32.95	0.00	0.96	0.95	0.01

Max lbs/day all phases	3.97	25.12	32.95	0.00	0.96	0.95	0.01
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*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Arch Coatings Off-Gas	10.15	-	-	-	-	-	-
Arch Coatings Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Asphalt Off-Gas	0.03	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	18.18	48.35	67.37	0.00	1.61	1.59	0.02

Max lbs/day all phases	18.18	48.35	67.37	0.00	1.61	1.59	0.02
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Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '20

Phase 2 Duration: 4 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: May '20

Phase 3 Duration: 32 months

Start Month/Year for SubPhase Building: May '20

SubPhase Building Duration: 32 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
1	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Sep '22

SubPhase Architectural Coatings Duration: 3.2 months

Start Month/Year for SubPhase Asphalt: Nov '22

SubPhase Asphalt Duration: 1.6 months

Acres to be Paved: 0.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	1.28	-	1.28
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	2.40	1.12	1.28
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
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
Maximum lbs/day	3.97	25.12	32.95	0.00	0.96	0.95	0.01
Max lbs/day all phases	4.32	28.06	35.63	0.00	2.40	1.12	1.28
*** 2021***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
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
Maximum lbs/day	3.97	25.12	32.95	0.00	0.96	0.95	0.01
Max lbs/day all phases	3.97	25.12	32.95	0.00	0.96	0.95	0.01

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Arch Coatings Off-Gas	10.15	-	-	-	-	-	-
Arch Coatings Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Asphalt Off-Gas	0.03	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	18.18	48.35	67.37	0.00	1.61	1.59	0.02
Max lbs/day all phases	18.18	48.35	67.37	0.00	1.61	1.59	0.02

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily

Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '20

Phase 2 Duration: 4 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: May '20

Phase 3 Duration: 32 months

Start Month/Year for SubPhase Building: May '20

SubPhase Building Duration: 32 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
1	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Sep '22

SubPhase Architectural Coatings Duration: 3.2 months

Start Month/Year for SubPhase Asphalt: Nov '22

SubPhase Asphalt Duration: 1.6 months

Acres to be Paved: 0.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0116
Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\glu\My Documents\Alex's Projects\Amargosa
 Creek SP\URBEMIS\Construction\Amargosa Medical District Phase 3 pt3.urb
 Project Name: Amargosa Creek Medical District Phase 3 pt 3
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Summer)

Construction Start Month and Year: January, 2020
 Construction Duration: 36
 Total Land Use Area to be Developed: 1.4 acres
 Maximum Acreage Disturbed Per Day: 0.4 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 30800

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	4.00	-	4.00
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	5.12	1.12	4.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
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
Maximum lbs/day	3.97	25.12	32.95	0.00	0.96	0.95	0.01
Max lbs/day all phases	4.32	28.06	35.63	0.00	5.12	1.12	4.00

*** 2021***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
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
Maximum lbs/day	3.97	25.12	32.95	0.00	0.96	0.95	0.01

Max lbs/day all phases	3.97	25.12	32.95	0.00	0.96	0.95	0.01
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*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Arch Coatings Off-Gas	10.15	-	-	-	-	-	-
Arch Coatings Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Asphalt Off-Gas	0.03	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	18.18	48.35	67.37	0.00	1.61	1.59	0.02

Max lbs/day all phases	18.18	48.35	67.37	0.00	1.61	1.59	0.02
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Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '20

Phase 2 Duration: 4 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: May '20

Phase 3 Duration: 32 months

Start Month/Year for SubPhase Building: May '20

SubPhase Building Duration: 32 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
1	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Sep '22

SubPhase Architectural Coatings Duration: 3.2 months

Start Month/Year for SubPhase Asphalt: Nov '22

SubPhase Asphalt Duration: 1.6 months

Acres to be Paved: 0.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2020***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	1.28	-	1.28
Off-Road Diesel	4.31	28.04	35.40	-	1.12	1.12	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Maximum lbs/day	4.32	28.06	35.63	0.00	2.40	1.12	1.28
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
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
Maximum lbs/day	3.97	25.12	32.95	0.00	0.96	0.95	0.01
Max lbs/day all phases	4.32	28.06	35.63	0.00	2.40	1.12	1.28
*** 2021***							
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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
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
Maximum lbs/day	3.97	25.12	32.95	0.00	0.96	0.95	0.01
Max lbs/day all phases	3.97	25.12	32.95	0.00	0.96	0.95	0.01

*** 2022***

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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading 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
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Arch Coatings Off-Gas	10.15	-	-	-	-	-	-
Arch Coatings Worker Trips	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Asphalt Off-Gas	0.03	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.19	33.99	-	0.64	0.64	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.01	0.00	0.10	0.00	0.00	0.00	0.00
Maximum lbs/day	18.18	48.35	67.37	0.00	1.61	1.59	0.02
Max lbs/day all phases	18.18	48.35	67.37	0.00	1.61	1.59	0.02

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily

Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '20

Phase 2 Duration: 4 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: May '20

Phase 3 Duration: 32 months

Start Month/Year for SubPhase Building: May '20

SubPhase Building Duration: 32 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
1	Other Equipment	190	0.620	8.0
1	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Sep '22

SubPhase Architectural Coatings Duration: 3.2 months

Start Month/Year for SubPhase Asphalt: Nov '22

SubPhase Asphalt Duration: 1.6 months

Acres to be Paved: 0.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft² (non-res) changed from 0.0185 to 0.0116

Phase 2 mitigation measure Soil Disturbance: Rule 403: Water exposed surfaces 3 times daily
has been changed from off to on.