

03/28/2007 3:46 PM

#### 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

*** 2011 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
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
					PM10	PM10	PM10
*** 2012 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2013 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2014 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2015 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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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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 - Winter)

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					PM10	PM10	PM10
*** 2011 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
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TOTALS (lbs/day,unmitigated)	26.52	168.23	220.50	0.00	6.58	6.49	0.09
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					PM10	PM10	PM10
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					PM10	PM10	PM10
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					PM10	PM10	PM10
*** 2015 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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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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 - 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)

					PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2011***							
Phase 1 - Demolition Emission	ns						
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 Emiss	ions						
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 Construct:	ion						
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

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*** 2012***							
Phase 1 - Demolition Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ng						
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 Emiss	ions						
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 Construct	ion						
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 Emissic	ns						
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 Emiss	ions				0.00	_	0.00
Fugitive Dust	- 0.00	-	-	_	0.00		
Off-Road Diesel 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
MaxIlliulli IDS/Gay	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construct							
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 Emissic					0 00		0.00
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	() . ()()
Worker Trips Maximum lbs/day	0.00	0.00				0 00	
			0.00	0.00	0.00	0.00	0.00
nanimam 155, aay	0.00	0.00	0.00	0.00	0.00	0.00	
Phase 2 - Site Grading Emiss	0.00						0.00
Phase 2 - Site Grading Emiss Fugitive Dust	0.00 sions	0.00	0.00		0.00	0.00	0.00
Phase 2 - Site Grading Emiss	0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 sions - 0.00 0.00	0.00 - 0.00 0.00	0.00 - 0.00 0.00	0.00	0.00 0.00 0.00 0.00	0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips	0.00 sions - 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00	0.00 - - 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 sions - 0.00 0.00	0.00 - 0.00 0.00	0.00 - 0.00 0.00	0.00	0.00 0.00 0.00 0.00	0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day	0.00 sions - 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00	0.00 - - 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day Phase 3 - Building Construct	0.00 sions - 0.00 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00	0.00 - - 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day Phase 3 - Building Construct Bldg Const Off-Road Diesel	0.00 sions - 0.00 0.00 0.00 0.00 0.00 sion 26.15	0.00 - 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day Phase 3 - Building Construct	0.00 sions - 0.00 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00	0.00 - - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips	0.00 sions - 0.00 0.00 0.00 0.00 0.00 sion 26.15 0.23	0.00 - 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00 215.84 3.06	0.00 - - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00 6.48 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas	0.00 sions - 0.00 0.00 0.00 0.00 0.00 .ion 26.15 0.23 38.80	0.00 - 0.00 0.00 0.00 0.00	0.00 - 0.00 0.00 0.00 0.00 215.84 3.06	0.00 - - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 6.48 0.10	0.00 - 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips	0.00 sions - 0.00 0.00 0.00 0.00 0.00 sion 26.15 0.23 38.80 0.23	0.00 - 0.00 0.00 0.00 0.00 168.01 0.13 - 0.13	0.00 - 0.00 0.00 0.00 0.00 215.84 3.06 - 3.06	0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 6.48 0.10	0.00 - 0.00 0.00 0.00 0.00 6.48 0.01 - 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas	0.00 sions  0.00 0.00 0.00 0.00 0.00  ion  26.15 0.23 38.80 0.23 0.10	0.00 - 0.00 0.00 0.00 0.00 168.01 0.13 - 0.13	0.00 - 0.00 0.00 0.00 0.00 215.84 3.06 - 3.06	0.00 - 0.00 0.00 0.00 - 0.00 -	0.00 0.00 0.00 0.00 0.00 0.00 6.48 0.10 -	0.00 - 0.00 0.00 0.00 0.00 6.48 0.01 - 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel	0.00 cions  0.00 0.00 0.00 0.00 cion  26.15 0.23 38.80 0.23 0.10 4.00	0.00  - 0.00 0.00 0.00 0.00 0.13 - 0.13 - 23.19	0.00 - 0.00 0.00 0.00 0.00 215.84 3.06 - 3.06 - 33.99	0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 6.48 0.10 - 0.10 -	0.00 - 0.00 0.00 0.00 0.00 6.48 0.01 - 0.01 - 0.64	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel	0.00 cions  0.00 0.00 0.00 0.00 0.00 cion  26.15 0.23 38.80 0.23 0.10 4.00 0.01	0.00  - 0.00 0.00 0.00 0.00 168.01 0.13 - 0.13 - 23.19 0.15	0.00 - 0.00 0.00 0.00 0.00 215.84 3.06 - 3.06 - 33.99 0.04	0.00 - 0.00 0.00 0.00 - 0.00 - 0.00	0.00 0.00 0.00 0.00 0.00 0.00 6.48 0.10 - 0.10 - 0.64 0.00	0.00 - 0.00 0.00 0.00 0.00 6.48 0.01 - 0.01 - 0.64 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

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

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

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### CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMA	AIES MIIIGA	TED (IDS/O	lay)		71110	D141.0	D141.0
G	DOG	NO	an an	900	PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2011***							
Phase 1 - Demolition Emission	ons						
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 Emiss	sions						
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 Construct							
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
444 0010444							
*** 2012***							
Phase 1 - Demolition Emission	ons						
Fugitive Dust	_	_	_	_	0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00	<del>-</del>	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 Emiss	sions						
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 Construct	ion						
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		168.23	220.50	0.00	6.58	6.49	0.00
,2	26.52	100.23	220.30	0.00	0.50		0.00
	26.52		220.30			0.15	
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 Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ng						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ns						
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 Emissi	ions						
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 Constructi	ion						
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

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

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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.

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#### 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)

					PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2011***							
Phase 1 - Demolition Emission	ns						
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 Emiss	ions						
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 Construct:	ion						
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

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Phase 1 - Demolition Emissions Fugitive Dust 0.00 - Off-Road Diesel 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 Worker Trips 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 Phase 2 - Site Grading Emissions Fugitive Dust 0.00 -	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
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 0.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
On-Road Diesel         0.00	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 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 0.00 0.00 0.00 0.00
Phase 2 - Site Grading Emissions Fugitive Dust 0.00 -	0.00 0.00 0.00 0.00 0.00
Fugitive Dust 0.00 -	0.00 0.00 0.00 0.00
Fugitive Dust 0.00 -	0.00 0.00 0.00 0.00
	0.00 0.00 0.00 0.00
Off-Road Diesel 0.00 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	
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	0.09
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
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
Taximum 1557 day 20.32 100.23 220.30 0.00 0.30 0.15	0.05
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
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
1.0112 2227 0100 0100 0100 0100	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
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
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 Emission	ns						
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
51 0 61 6 11 5 1							
Phase 2 - Site Grading Emiss	ions	_	_	_	0.00	_	0 00
Fugitive Dust	0 00			_ _	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	
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 Construct	ion						
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 Emission	ns						
Fugitive Dust			<del>.</del>	-	0.00	<del>.</del>	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 Emiss	ions						
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
Dhana 2 Duildina Garatanat							
Phase 3 - Building Construct		160 01	015 04		C 40	C 40	0 00
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		2 06				- 0.00
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 0.15	33.99 0.04	0.00	0.64 0.00	0.64	0.00
Asphalt Warker Tring	0.01					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

	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
No.	Туре	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

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

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### CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMA	AIES MIIIGA	TED (IDS/O	lay)		71110	D141.0	D141.0
G	DOG	NO	00	900	PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2011***							
Phase 1 - Demolition Emission	ons						
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 Emiss	sions						
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 Construct							
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
444 0010444							
*** 2012***							
Phase 1 - Demolition Emission	ons						
Fugitive Dust	_	_	_	_	0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00	<del>-</del>	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 Emiss	sions						
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 Construct	ion						
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		168.23	220.50	0.00	6.58	6.49	0.00
,2	26.52	100.23	220.30	0.00	0.50		0.00
	26.52		220.30			0.15	
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 Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ng						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ns						
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 Emiss:	ions						
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 Construct:	ion						
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

Equipment			
Type	Horsepower	Load Factor	Hours/Day
Rubber Tired Dozers	352	0.590	8.0
Tractor/Loaders/Backhoes	79	0.465	8.0
	Type Rubber Tired Dozers	Type Horsepower Rubber Tired Dozers 352	Type Horsepower Load Factor Rubber Tired Dozers 352 0.590

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

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

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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.

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#### 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

					PM10	PM10	PM10
*** 2014 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2015 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2016 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2017 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2018 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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

					PM10	PM10	PM10
*** 2014 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2015 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2016 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2017 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2018 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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)

CONSTRUCTION EMISSION ESTIMA	TES UNMITT	GATED (IDS	/day)				
					PM10	PM10	PM10
Source	ROG	NOx	CO	S02	TOTAL	EXHAUST	DUST
*** 2014***							
Phase 1 - Demolition Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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
_							

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*** 2015***							
	20						
Phase 1 - Demolition Emissio Fugitive Dust	IIS	_	_	_	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
Maximum 1557 day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions						
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 Construct							
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 Emissio	ng						
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 Emiss	ions						
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
Dhara 2 Duildina Caratanas							
Phase 3 - Building Construct		115 05	140.00		1 16	4 46	0 00
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	-	-		-		- 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	0.00
Asphalt Warker Tring	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

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*** 2017***							
Phase 1 - Demolition Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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

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

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### CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMA	IES MITIGA	TED (IDS/O	lay)		D141.0	DM1.0	D141.0
G	DOG	NTO	go.	900	PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2014***							
Phase 1 - Demolition Emissio	ns						
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 Emiss	ions						
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 Construct	ion						
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	-	2.54	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas Arch Coatings Worker Trips				0 00		0 00	0 00
2 1	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
*** 0015***							
*** 2015***							
Phase 1 - Demolition Emissio	ns						
Fugitive Dust	<del>.</del>		<del>.</del>	-	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 Emiss	ions						
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 Construct	ion						
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	0.00	0.00	0.00	0.00	0.00	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			
Asphalt Worker Trips	0.00	0.00		0.00	0.00	0.00	0.00
Maximum lbs/day	18.20	0.00 115.96	0.00 151.02	0.00	0.00 4.52	0.00 4.46	0.00 0.06
Maximum ids/day	10.20	113.90	131.02	0.00	7.34	7.40	0.00
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

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*** 2016***							
Phase 1 - Demolition Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ng						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ıs						
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 Emissi	ons						
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 Constructi	.on						
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

ri nouu	1441Pillette			
No.	Туре	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

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

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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.

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#### 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)

					PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2014***							
Phase 1 - Demolition Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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

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*** 2015***							
Phase 1 - Demolition Emissic	ons						
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 Emiss	sions						
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 Construct	ion						
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 Emissic	ons						
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 Emiss	sions						
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 Construct	ion						
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

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*** 2017***							
Phase 1 - Demolition Emissio	ns						
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 Emiss	ione						
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
Phogo 2 Puilding Construct	ion						
Phase 3 - Building Construct 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	-	1.95	0.00	-	0.00	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 Emissio	na						
Filase I - Demoticion Emissio							
Fugitive Dust	_	_	_	_	0 00	_	0 00
Fugitive Dust Off-Road Diesel	_	0.00	0.00	- -	0.00	0.00	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Off-Road Diesel On-Road Diesel	0.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00		0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	- 0.00 0.00	0.00 0.00 0.00	0.00	0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day Phase 2 - Site Grading Emiss	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips	0.00 0.00 0.00 0.00 0.00 ions - 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips	0.00 0.00 0.00 0.00 0.00 ions	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day	0.00 0.00 0.00 0.00 0.00 ions	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct	0.00 0.00 0.00 0.00 0.00 ions - 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions - 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 - - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips	0.00 0.00 0.00 0.00 0.00 ions  - 0.00 0.00 0.00 0.00 ion  18.06 0.14 24.53 0.14	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 - 0.00 0.00 - 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 4.46 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas	0.00 0.00 0.00 0.00 0.00 ions  - 0.00 0.00 0.00 0.00 ion  18.06 0.14 24.53 0.14 0.06	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions  0.00 0.00 0.00 0.00 ion  18.06 0.14 24.53 0.14 0.06 4.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions  0.00 0.00 0.00 0.00 ion  18.06 0.14 24.53 0.14 0.06 4.00 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 1.93 - 33.99 0.03	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel Asphalt Worker Trips	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 115.87 0.09 - 0.09 - 23.19 0.09 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 1.93 - 33.99 0.03 0.15	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions  0.00 0.00 0.00 0.00 ion  18.06 0.14 24.53 0.14 0.06 4.00 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 1.93 - 33.99 0.03	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel Asphalt Worker Trips	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 115.87 0.09 - 0.09 - 23.19 0.09 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 1.93 - 33.99 0.03 0.15	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

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

	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
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

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### CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMA	IES MITIGA	TED (IDS/O	lay)		D141.0	DM1.0	D141.0
G	DOG	NTO	go.	000	PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2014***							
Phase 1 - Demolition Emissio	ns						
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 Emiss	ions						
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 Construct	ion						
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	-	2.54	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas Arch Coatings Worker Trips				0 00		0 00	0 00
2 1	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
*** 0015***							
*** 2015***							
Phase 1 - Demolition Emissio	ns						
Fugitive Dust	<del>.</del>		<del>.</del>	-	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 Emiss	ions						
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 Construct	ion						
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	0.00	0.00	0.00	0.00	0.00	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			
Asphalt Worker Trips	0.00	0.00		0.00	0.00	0.00	0.00
Maximum lbs/day	18.20	0.00 115.96	0.00 151.02	0.00	0.00 4.52	0.00 4.46	0.00 0.06
Maximum ids/day	10.20	113.90	131.02	0.00	7.34	7.40	0.00
Max lbs/day all phases	18.20	115.96	151.02	0.00	4.52	4.46	0.06

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*** 2016***							
Phase 1 - Demolition Emissio	ns						
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 Emiss	ions						
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 Construct	ion						
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 Emissio							
	ns						
Fugitive Dust	_	_	_	-	0.00	_	0.00
Fugitive Dust Off-Road Diesel	0.00	0.00	0.00	=	0.00	0.00	0.00
Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	- 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	- 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	- 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day	0.00 0.00 0.00 0.00 0.00 ions	0.00 0.00 0.00 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct	0.00 0.00 0.00 0.00 0.00 ions	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions - 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips	0.00 0.00 0.00 0.00 0.00 ions - 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas	0.00 0.00 0.00 0.00 0.00 ions - 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips	0.00 0.00 0.00 0.00 0.00 ions - 0.00 0.00 0.00 0.00 ion 18.06 0.14 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas	0.00 0.00 0.00 0.00 0.00 ions  - 0.00 0.00 0.00 0.00 ion 18.06 0.14 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 115.87 0.09 - 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions  - 0.00 0.00 0.00 0.00 ion 18.06 0.14 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 0.00 - 0.00	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions  0.00 0.00 0.00 0.00 ion  18.06 0.14 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 115.87 0.09 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 0.00 - 0.00 0.00	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 4.46 0.00 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel Asphalt Worker Trips	0.00 0.00 0.00 0.00 0.00 ions  - 0.00 0.00 0.00 0.00 ion 18.06 0.14 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 115.87 0.09 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 0.00 - 0.00 0.00	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel	0.00 0.00 0.00 0.00 0.00 ions  0.00 0.00 0.00 0.00 ion  18.06 0.14 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 115.87 0.09 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 0.00 - 0.00 0.00	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 4.46 0.00 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emiss Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Construct Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel Asphalt Worker Trips	0.00 0.00 0.00 0.00 0.00 ions  - 0.00 0.00 0.00 0.00 ion 18.06 0.14 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 115.87 0.09 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 149.09 1.93 - 0.00 - 0.00 0.00	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

*** 2018***							
Phase 1 - Demolition Emission	ns						
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 Emissi	ions						
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 Constructi	ion						
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 Mitigati	ion Measur	es					

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

O	odd 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

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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.

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### 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)

CONST	TRUCT	ION	EMISSION	ESTIMATES	
***	2020	***	+		

CONDINOCTION EMISSION ESTIMATES					71410	D141.0	D141.0
					PM10	PM10	PM10
*** 2020 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2021 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2022 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2023 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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

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### 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

*** 2020 ***	ROG	NOx	CO	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
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
					PM10	PM10	PM10
*** 2021 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2022 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2023 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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

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#### 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)

CONSTRUCTION EMISSION ESTIMAT	ES UNMITIO	JATED (IDS	/day)				
					PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***							
Phase 1 - Demolition Emission	.S						
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 Emissi	ons						
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 Constructi	on						
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

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*** 2021***							
Phase 1 - Demolition Emission	ıs						
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 Emissi	ons						
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
Phone 2 Poilding County with							
Phase 3 - Building Constructi	on 6.02	38.62	49.70	_	1.49	1.49	0.00
Bldg Const Off-Road Diesel	0.03		0.38	0.00	0.02		0.00
Bldg Const Worker Trips Arch Coatings Off-Gas	0.03	0.02	0.36	0.00	0.02	0.00	0.02
_	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arch Coatings Worker Trips		0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00			_			0.00
Asphalt Off-Road Diesel	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 Emission	ıs						
Phase 1 - Demolition Emission Fugitive Dust	_	_	-	-	0.00	-	0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel	0.00	0.00	0.00	=	0.00	0.00	0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel	- 0.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	- 0.00 0.00	0.00 0.00 0.00	0.00	0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel	- 0.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	- 0.00 0.00	0.00 0.00 0.00	0.00	0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day Phase 2 - Site Grading Emissi	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips	0.00 0.00 0.00 0.00 0.00 ons - 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips	0.00 0.00 0.00 0.00 0.00 ons - 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day	0.00 0.00 0.00 0.00 0.00 ons - 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi	0.00 0.00 0.00 0.00 0.00 ons - 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi Bldg Const Off-Road Diesel	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 - 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi Bldg Const Off-Road Diesel Bldg Const Worker Trips	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Road Diesel	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 38.62 0.02 - 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Road Diesel Asphalt Off-Road Diesel Asphalt On-Road Diesel	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 38.62 0.02 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Phase 1 - Demolition Emission Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 2 - Site Grading Emissi Fugitive Dust Off-Road Diesel On-Road Diesel Worker Trips Maximum lbs/day  Phase 3 - Building Constructi Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel Asphalt Worker Trips	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 38.62 0.02  0.00  0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	- 0.00 0.00 0.00 0.00 0.00 0.00 0.00 - 0.00 - 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

*** 2023***							
Phase 1 - Demolition Emission	ns						
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 Emiss:	ions						
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 Construct:	ion						
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

Type	Horsepower	Load Factor	Hours/Day
Concrete/Industrial saws	84	0.730	8.0
Other Equipment	190	0.620	8.0
Rough Terrain Forklifts	94	0.475	8.0
	Other Equipment	Concrete/Industrial saws 84 Other Equipment 190	Concrete/Industrial saws 84 0.730 Other Equipment 190 0.620

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

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

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## CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	CONSTRUCTION EMISSION ESTIMATE	S MITIGA	TED (IDS/G	ay)		71110	D141.0	D147.0
Phase 1 - Demolition Emissions Fugitive Dust Off-Road Diesel 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Course	DOG	MO	00	000			
Phase 1 - Demolition Emissions		ROG	NOX	CO	802	TOTAL	EXHAUST	DUST
Fugitive Dust								
Off-Road Diesel         0.00		3						
On-Road Diesel         0.00	_	-					-	
Norther Trips								
Phase 2 - Site Grading Emissions								
Phase 2 - Site Grading Emissions	_							
Fugitive Dust	Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road Diesel         4.31         28.04         35.40         -         1.12         1.12         0.00           On-Road Diesel         0.00	Phase 2 - Site Grading Emission	ons						
On-Road Diesel         0.00         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         0.00         2.23         0.00         0.02         2.00         0.00         0.02         2.00         0.00         0.02         2.00         0.00         0.00         0.00         2.02         2.80         0.00 <t< td=""><td>Fugitive Dust</td><td>-</td><td>-</td><td>_</td><td>_</td><td>1.28</td><td>-</td><td>1.28</td></t<>	Fugitive Dust	-	-	_	_	1.28	-	1.28
Maximum lbs/day	Off-Road Diesel	4.31	28.04	35.40	_	1.12	1.12	0.00
Phase 3 - Building Construction   Bldg Const Off-Road Diesel   6.02   38.62   49.70   -   1.49   1.49   0.00   1.51   1.28   1.49   0.00   1.51   1.49   0	On-Road Diesel	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	Worker Trips	0.01	0.02	0.23	0.00	0.00	0.00	0.00
Bidg Const Off-Road Diesel   6.02   38.62   49.70   - 1.49   1.49   0.00	Maximum lbs/day	4.32	28.06	35.63	0.00	2.40	1.12	1.28
Bidg Const Off-Road Diesel   6.02   38.62   49.70   - 1.49   1.49   0.00	Phase 3 - Building Construction	on						
Bidg Const Worker Trips	<del>-</del>		38.62	49.70	_	1.49	1.49	0.00
Arch Coatings Off-Gas	_				0.00			
Arch Coatings Worker Trips 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Asphalt Off-Gas 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	_				_		_	-
Asphalt Off-Gas	_				0 00		0 00	0 00
Asphalt Off-Road Diesel 0.00 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 0.							0.00	0.00
Asphalt On-Road Diesel 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	-						0 00	0 00
Asphalt Worker Trips	-							
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<	-							
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	Maximum ibs/day	0.05	38.04	50.08	0.00	1.51	1.49	0.02
Phase 1 - Demolition Emissions Fugitive Dust	Max lbs/day all phases	6.05	38.64	50.08	0.00	2.77	1.49	1.28
Phase 1 - Demolition Emissions Fugitive Dust	*** 2021***							
Fugitive Dust		,						
Off-Road Diesel         0.00         0.00         0.00         -         0.00         0.00         0.00           On-Road Diesel         0.00 </td <td></td> <td>•</td> <td></td> <td></td> <td></td> <td>0 00</td> <td></td> <td>0 00</td>		•				0 00		0 00
On-Road Diesel         0.00	_	0 00	0 00	0 00			0 00	
Worker Trips         0.00								
Maximum lbs/day         0.00								
Phase 2 - Site Grading Emissions Fugitive Dust	_							
Fugitive Dust	Maximum Ibs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road Diesel 0.00 0.00 0.00 - 0.00 0.00 0.00 0.00 0		ons						
On-Road Diesel         0.00	_							
Worker Trips         0.00								
Maximum lbs/day         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         0.00         0.02         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	Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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       0.0	Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	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         -	Phase 3 - Building Construction	on						
Arch Coatings Off-Gas       0.00       -       0.00	Bldg Const Off-Road Diesel	6.02	38.62	49.70	_	1.49	1.49	0.00
Arch Coatings Off-Gas       0.00       -       0.00	Bldg Const Worker Trips	0.03	0.02	0.38	0.00	0.02	0.00	0.02
Arch Coatings Worker Trips       0.00	Arch Coatings Off-Gas	0.00	_	_	_	_	_	_
Asphalt Off-Gas 0.00			0.00		0.00	0.00	0.00	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.	-		_	_	_	_	_	_
Asphalt On-Road Diesel       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 0.								
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								
	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 Emission	ons						
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 Emiss	sions						
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 Construct	ion						
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
= = = = = = = = = = = = = = = = = = = =	6.05			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 Emission	ns						
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 Emiss	sions						
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 Construct							
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		23.19 0.02	33.99 0.01	0.00	0.64 0.00	0.64 0.00	0.00
_	4.00			0.00 0.00			
Asphalt On-Road Diesel	4.00 0.00	0.02	0.01		0.00	0.00	0.00

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#### 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

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

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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.

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#### 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)

CONSTRUCTION EMISSION ESTIMATE	S ONMITTIO	JAIED (IDS)	(day)		DM1.0	DM1.0	D141.0
	200	170	~~	222	PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***							
Phase 1 - Demolition Emissions							
Fugitive Dust	<del>-</del> -		<del>-</del> -	-	0.00	<del>.</del>	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 Emissio	ns						
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 Constructio	n						
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
riaxImum IDS/day	0.05	30.04	30.00	0.00	1.51	1.42	0.02
Max lbs/day all phases	6.05	38.64	50.08	0.00	5.49	1.49	4.00

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*** 2021***							
Phase 1 - Demolition Emissions	S						
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 Emission	ons						
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	on						
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	5						
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 Emission	ons						
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	on						
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			0.02

*** 2023***							
Phase 1 - Demolition Emission	ns						
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 Emissi	ons						
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 Constructi	on						
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

Type	Horsepower	Load Factor	Hours/Day
Concrete/Industrial saws	84	0.730	8.0
Other Equipment	190	0.620	8.0
Rough Terrain Forklifts	94	0.475	8.0
	Other Equipment	Concrete/Industrial saws 84 Other Equipment 190	Concrete/Industrial saws 84 0.730 Other Equipment 190 0.620

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

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

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## CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

CONDINGCTION ENIDDION EDITINITY	DO HILLOH	ILD (IDD) at	21 /		PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***	1100	11021	60	502	1011111	<b>E211111001</b>	DODI
Phase 1 - Demolition Emissions	æ						
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 Emission	ons						
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
MaxIIIuIII IDS/day	4.32	20.00	35.63	0.00	2.40	1.12	1.20
Phase 3 - Building Construction	on						
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
							0.00
Asphalt Worker Trips	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	S						
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
Phone O Gitte G II To I							
Phase 2 - Site Grading Emission	ons				0 00		0 00
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	an.						
-	6.02	20 60	40 70		1 40	1 40	0 00
Bldg Const Off-Road Diesel		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	<del>-</del>	_	_		_	_
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 Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ng						
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 Emiss	ions						
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 Construct	ion						
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

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#### 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 N

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

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

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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.

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CONSTRUCTION EMISSION ESTIMATES

### 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)

					PM10	PM10	PM10
*** 2020 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2021 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2022 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2023 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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

					PM10	PM10	PM10
*** 2020 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2021 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2022 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2023 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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)

					PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***							
Phase 1 - Demolition Emission	s						
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 Emissi	ons						
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 Constructi	on						
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

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*** 2021***							
Phase 1 - Demolition Emissions	S						
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 Emission	ons						
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	on						
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	5						
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 Emission	ons						
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	on						
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			0.02

*** 2023***							
Phase 1 - Demolition Emission	ıs						
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 Emissi	ions						
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 Constructi	ion						
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

No.	Туре	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

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## CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMATES	S MITIGA	TED (lbs/da	ay)				
0	DOG	NO	go.	000	PM10	PM10	PM10
Source	ROG	NOx	CO	S02	TOTAL	EXHAUST	DUST
*** 2020***  Phase 1 - Demolition Emissions							
	_		_		0 00		0 00
Fugitive Dust		-		-	0.00	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
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 Emission	20						
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
Maximum IDS/day	4.34	20.00	33.03	0.00	2.40	1.12	1.20
Phase 3 - Building Construction	1						
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	0.00	-	0.00	0.00	0.00	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	0.00
Maximum 105/day	0.03	30.01	30.00	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
nan ibb/aay all phabeb	0.05	30.01	30.00	0.00	2.,,	1.17	1.20
*** 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 Emission	ıs						
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 Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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 Emission	ng						
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 Emiss	ions						
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 Construct	ion						
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

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

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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.

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#### 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)

CONSTRUCTION EMISSION ESTIMAT	ES UNMITTE	JATED (IDS	/day)				
					PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***							
Phase 1 - Demolition Emission	.s						
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 Emissi	ons						
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 Constructi	on						
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

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*** 2021***							
Phase 1 - Demolition Emissions	S						
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 Emission	ons						
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	on						
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	5						
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 Emission	ons						
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	on						
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			0.02

*** 2023***							
Phase 1 - Demolition Emission	ıs						
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 Emissi	lons						
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 Constructi	on						
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

Type	Horsepower	Load Factor	Hours/Day
Concrete/Industrial saws	84	0.730	8.0
Other Equipment	190	0.620	8.0
Rough Terrain Forklifts	94	0.475	8.0
	Other Equipment	Concrete/Industrial saws 84 Other Equipment 190	Concrete/Industrial saws 84 0.730 Other Equipment 190 0.620

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

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

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## CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

CONDINGCTION ENIDDION EDITINITY	DO HILLOH	ILD (IDD) at	21 /		PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***	1100	11021	60	502	1011111	<b>E211111001</b>	DODI
Phase 1 - Demolition Emissions	æ						
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 Emission	ons						
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
MaxIIIuIII IDS/day	4.32	20.00	35.63	0.00	2.40	1.12	1.20
Phase 3 - Building Construction	on						
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
							0.00
Asphalt Worker Trips	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	S						
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
Phone O Gitte G II To I							
Phase 2 - Site Grading Emission	ons				0 00		0 00
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	an.						
-	6.02	20 60	40 70		1 40	1 40	0 00
Bldg Const Off-Road Diesel		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	<del>-</del>	_	_		_	_
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 Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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
*** 0000***							
*** 2023***							
Phase 1 - Demolition Emission	ns		_		0 00	_	0.00
Fugitive Dust Off-Road Diesel	0.00	0.00	0.00	<del>-</del>	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
MaxIIIIdiii IDS/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions				0.00		0.00
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 Construct	ion						
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

#### 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.	Туре	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

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

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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.

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### 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

					PM10	PM10	PM10
*** 2020 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2021 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2022 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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

CONSTRUCTION EMISSION ESTIMATES							
					PM10	PM10	PM10
*** 2020 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2021 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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
					PM10	PM10	PM10
*** 2022 ***	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
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)

					PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***							
Phase 1 - Demolition Emission	S						
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 Emissi	ons						
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 Constructi	on						
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

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*** 2021***							
Phase 1 - Demolition Emission	S						
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
2322							
Phase 2 - Site Grading Emissi	ons						
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 Constructi		25 11	22 62		0 05	0 05	0.00
Bldg Const Off-Road Diesel	3.94	25.11	32.63 0.32	-	0.95	0.95	
Bldg Const Worker Trips Arch Coatings Off-Gas	0.02	0.01	0.32	0.00	0.01	0.00	0.01
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
MaxIIIIuIII IDS/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 Emission	g						
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 Emissi	ons						
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
		0.00		0.00			
Dhage 3 - Building Constructi	on	0.00		0.00			
Phase 3 - Building Constructi							0 00
Bldg Const Off-Road Diesel	3.94	25.11	32.63	-	0.95	0.95	0.00
Bldg Const Off-Road Diesel Bldg Const Worker Trips	3.94 0.02	25.11 0.01	32.63 0.32		0.95 0.01	0.95 0.00	0.01
Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas	3.94 0.02 10.15	25.11 0.01 -	32.63 0.32	0.00	0.95 0.01 -	0.95 0.00 -	0.01
Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips	3.94 0.02 10.15 0.02	25.11 0.01 - 0.01	32.63 0.32 - 0.32	- 0.00	0.95 0.01	0.95 0.00	0.01
Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas	3.94 0.02 10.15 0.02 0.03	25.11 0.01 - 0.01	32.63 0.32 - 0.32	0.00	0.95 0.01 - 0.01	0.95 0.00 - 0.00	0.01 - 0.01 -
Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel	3.94 0.02 10.15 0.02 0.03 4.00	25.11 0.01 - 0.01 - 23.19	32.63 0.32 - 0.32 - 33.99	0.00 - 0.00 - -	0.95 0.01 - 0.01 - 0.64	0.95 0.00 - 0.00 - 0.64	0.01 - 0.01 - 0.00
Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel	3.94 0.02 10.15 0.02 0.03 4.00 0.00	25.11 0.01 - 0.01 - 23.19 0.02	32.63 0.32 - 0.32 - 33.99 0.01	0.00 - 0.00 - - 0.00	0.95 0.01 - 0.01 - 0.64 0.00	0.95 0.00 - 0.00 - 0.64 0.00	0.01 - 0.01 - 0.00 0.00
Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel Asphalt Worker Trips	3.94 0.02 10.15 0.02 0.03 4.00 0.00	25.11 0.01 - 0.01 - 23.19 0.02 0.00	32.63 0.32 - 0.32 - 33.99 0.01 0.10	0.00 - 0.00 - - 0.00 0.00	0.95 0.01 - 0.01 - 0.64 0.00 0.00	0.95 0.00 - 0.00 - 0.64 0.00 0.00	0.01 - 0.01 - 0.00 0.00 0.00
Bldg Const Off-Road Diesel Bldg Const Worker Trips Arch Coatings Off-Gas Arch Coatings Worker Trips Asphalt Off-Gas Asphalt Off-Road Diesel Asphalt On-Road Diesel	3.94 0.02 10.15 0.02 0.03 4.00 0.00	25.11 0.01 - 0.01 - 23.19 0.02	32.63 0.32 - 0.32 - 33.99 0.01	0.00 - 0.00 - - 0.00	0.95 0.01 - 0.01 - 0.64 0.00	0.95 0.00 - 0.00 - 0.64 0.00	0.01 - 0.01 - 0.00 0.00

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

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

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CONDINGCTION ENIGDION EDITINIES	5 11111011	ILD (IDD) ac	21 /		PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***	1100	11021	60	502	1011111	D211111001	DODI
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 Emission	าร						
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
MaxIIIIuIII IDS/day	4.32	20.00	33.03	0.00	2.40	1.12	1.20
Phase 3 - Building Construction	ı						
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	0.00	-	-	0.00	0.00	0.00
-		0.00		_		0.00	0.00
Asphalt Off-Road Diesel	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 Emission	ıs						
Fugitive Dust	<del>-</del>	<del>-</del>	<del>.</del>	-	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
Dhana 2 Duildin Garatan ti	_						
Phase 3 - Building Construction		0= 44					
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
max instudy all bilases	3.71	Z3.1Z	34.75	0.00	0.90	0.95	0.01

*** 2022***							
Phase 1 - Demolition Emission	ıs						
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 Emissi	ons						
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 Constructi	on						
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

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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)

CONSTRUCTION EMISSION ESTIMAT	ES UNMITIO	JATED (IDS)	(day)				
					PM10	PM10	PM10
Source	ROG	NOx	CO	SO2	TOTAL	EXHAUST	DUST
*** 2020***							
Phase 1 - Demolition Emission	ıs						
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 Emissi	ons						
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 Constructi	.on						
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

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*** 2021***							
Phase 1 - Demolition Emission	ns						
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 Emiss:	ions						
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 Construct:	ion						
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 Emission	ng						
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 Emiss:	ions						
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 Construct:	ion						
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	0.02	0.01	0.32	-	0.01	-	0.01
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

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

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

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## CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMATE.	S MITIGA	TED (IDS/G	ay)		7117	D141.0	D141.0
Carrage	DOG	NO	go.	000	PM10	PM10	PM10
Source	ROG	NOx	CO	S02	TOTAL	EXHAUST	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 Emission	ns						
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	n						
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	0.00
MaxIIIIuIII IDS/day	3.97	23.12	34.95	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					0 00		0 00
Fugitive Dust	-	- 0.0	- 0.00	=	0.00	- 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 Emission	ns						
Fugitive Dust			<del>.</del>	-	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	n						
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 Emission	ns						
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 Emiss	ions						
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 Construct	ion						
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

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

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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.