APPENDIX S

Air Quality Technical Appendix

North Fork Rancheria
Environmental Impact Statement
Air Quality Technical Appendix

URBEMIS Version 8.7 Output Files

URBEMIS Version 8.7 Output File

Construction Emissions and Operational Emissions for Comparison with San Joaquin Valley Air Pollution Control District Thresholds

Alternative A

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\Alternative A.urb
Project Name: North Fork Altern A - Proposed Action
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2006 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	3.13	24.12	23.03	0.00	1.70	1.09	0.61

*** 2007 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	10.24	24.96	26.08	0.00	1.08	1.07	0.01

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.77	0.94	0.92	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	29.10	45.62	393.46	0.27	43.13

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	29.87	46.57	394.37	0.27	43.13

08/12/2005 4:56 PM

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\Alternative A.urb
Project Name: North Fork Altern A - Proposed Action
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

Construction Start Month and Year: July, 2006
Construction Duration: 12
Total Land Use Area to be Developed: 16.9 acres
Maximum Acreage Disturbed Per Day: 4.2 acres
Single Family Units: 0 Multi-Family Units: 0
Retail/Office/Institutional/Industrial Square Footage: 368480

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (tons/year)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2006***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.60	-	0.60
Off-Road Diesel	0.49	3.94	3.51	-	0.18	0.18	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.01	0.11	0.00	0.00	0.00	0.00
Total tons/year	0.49	3.95	3.62	0.00	0.78	0.18	0.60
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	2.60	20.15	18.94	-	0.91	0.91	0.00
Bldg Const Worker Trips	0.04	0.02	0.47	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
Total tons/year	2.64	20.17	19.41	0.00	0.92	0.91	0.01
Total all phases tons/yr	3.13	24.12	23.03	0.00	1.70	1.09	0.61
*** 2007***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00

Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	3.31	24.59	24.99	-	1.06	1.06	0.00
Bldg Const Worker Trips	0.04	0.02	0.55	0.00	0.01	0.00	0.01
Arch Coatings Off-Gas	6.82	-	-	-	-	-	-
Arch Coatings Worker Trips	0.01	0.00	0.09	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.01	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.05	0.33	0.44	-	0.01	0.01	0.00
Asphalt On-Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	10.24	24.96	26.08	0.00	1.08	1.07	0.01
Total all phases tons/yr	10.24	24.96	26.08	0.00	1.08	1.07	0.01

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Jul '06
Phase 2 Duration: 1.3 months
On-Road Truck Travel (VMT): 0
Off-Road Equipment

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

Phase 3 - Building Construction Assumptions
Start Month/Year for Phase 3: Aug '06
Phase 3 Duration: 10.7 months
Start Month/Year for SubPhase Building: Aug '06
SubPhase Building Duration: 10.7 months
Off-Road Equipment

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

Start Month/Year for SubPhase Architectural Coatings: May '07
SubPhase Architectural Coatings Duration: 1.1 months
Start Month/Year for SubPhase Asphalt: Jun '07
SubPhase Asphalt Duration: 0.5 months
Acres to be Paved: 4.2
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1	Pavers	132	0.590	8.0
1	Paving Equipment	111	0.530	8.0
2	Rollers	114	0.430	8.0

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.07	0.94	0.79	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.02	0.00	0.12	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.68	-	-	-	-
TOTALS (tpy, unmitigated)	0.77	0.94	0.92	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Hotel	1.68	2.21	19.10	0.01	2.09
Casino	27.42	43.41	374.36	0.25	41.03
TOTAL EMISSIONS (tons/yr)	29.10	45.62	393.46	0.27	43.13

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Hotel		3.00 trips/rooms	200.00	600.00
Casino		43.80 trips/1000 sq. ft.	268.481	1,759.42
		Sum of Total Trips		12,359.42
		Total Vehicle Miles Traveled		155,357.96

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.6	12.6	12.6	12.6	12.6	12.6
Rural Trip Length (miles)	12.6	12.6	12.6	12.6	12.6	12.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Hotel				23.0	11.5	65.5
Casino				23.0	11.5	65.5

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Regnl shopping cntr changed from 55 to 100
The Diverted Trip % for Regnl shopping cntr changed from 35 to 0
The Pass-By Trip % for Regnl shopping cntr changed from 10 to 0

Changes made to the default values for Construction

Changes made to the default values for Area

The hearth option switch changed from on to off.
The landscape year changed from 2005 to 2008.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2008.
The home based work selection item changed from 8 to 7.
The home based work urban trip length changed from 10.8 to 12.57.
The home based work rural trip length changed from 16.8 to 12.57.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 12.57.
The home based shopping rural trip length changed from 7.1 to 12.57.
The home based other selection item changed from 8 to 7.
The home based other urban trip length changed from 7.5 to 12.57.
The home based other rural trip length changed from 7.9 to 12.57.
The commercial based commute selection item changed from 8 to 7.
The commercial based commute urban trip length changed from 9.5 to 12.57.
The commercial based commute rural trip length changed from 14.7 to 12.57.
The commercial based non-work selection item changed from 8 to 7.
The commercial based non-work urban trip length changed from 7.35 to 12.57.
The commercial based non-work rural trip length changed from 6.6 to 12.57.
The commercial based customer selection item changed from 8 to 7.
The commercial based customer urban trip length changed from 7.35 to 12.57.
The commercial based customer rural trip length changed from 6.6 to 12.57.

URBEMIS Version 8.7 Output File

Construction Emissions and Operational Emissions for Comparison with San Joaquin Valley Air Pollution Control District Thresholds

Alternative B

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\Alternative B.urb
Project Name: North Fork Altern B - Reduced Intensity
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2006 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	1.78	13.67	13.11	0.00	0.95	0.62	0.33

*** 2007 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	5.57	13.82	14.51	0.00	0.59	0.59	0.00

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.40	0.35	0.36	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	20.21	31.96	275.71	0.19	30.19

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	20.61	32.31	276.07	0.19	30.20

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\Alternative B.urb
Project Name: North Fork Altern B - Reduced Intensity
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

Construction Start Month and Year: July, 2006
Construction Duration: 12
Total Land Use Area to be Developed: 9.1 acres
Maximum Acreage Disturbed Per Day: 2.3 acres
Single Family Units: 0 Multi-Family Units: 0
Retail/Office/Institutional/Industrial Square Footage: 198990

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (tons/year)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2006***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.33	-	0.33
Off-Road Diesel	0.31	2.46	2.19	-	0.11	0.11	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.07	0.00	0.00	0.00	0.00
Total tons/year	0.31	2.46	2.26	0.00	0.44	0.11	0.33
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	1.45	11.20	10.59	-	0.51	0.51	0.00
Bldg Const Worker Trips	0.02	0.01	0.26	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	1.47	11.21	10.85	0.00	0.51	0.51	0.00
Total all phases tons/yr	1.78	13.67	13.11	0.00	0.95	0.62	0.33
*** 2007***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	1.85	13.67	13.97	-	0.59	0.59	0.00
Bldg Const Worker Trips	0.02	0.01	0.30	0.00	0.01	0.00	0.00
Arch Coatings Off-Gas	3.68	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.05	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.02	0.13	0.19	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	5.57	13.82	14.51	0.00	0.59	0.59	0.00
Total all phases tons/yr	5.57	13.82	14.51	0.00	0.59	0.59	0.00

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Jul '06
Phase 2 Duration: 1.3 months
On-Road Truck Travel (VMT): 0
Off-Road Equipment

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

Phase 3 - Building Construction Assumptions
Start Month/Year for Phase 3: Aug '06
Phase 3 Duration: 10.7 months
Start Month/Year for SubPhase Building: Aug '06
SubPhase Building Duration: 10.7 months
Off-Road Equipment

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

Start Month/Year for SubPhase Architectural Coatings: May '07
SubPhase Architectural Coatings Duration: 1.1 months
Start Month/Year for SubPhase Asphalt: Jun '07
SubPhase Asphalt Duration: 0.5 months
Acres to be Paved: 2.3
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

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.03	0.35	0.29	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.01	0.00	0.06	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.37	-	-	-	-
TOTALS (tpy, unmitigated)	0.40	0.35	0.36	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Casino	20.21	31.96	275.71	0.19	30.19
TOTAL EMISSIONS (tons/yr)	20.21	31.96	275.71	0.19	30.19

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Casino		43.80 trips/1000 sq. ft.	198.99	8,715.76
		Sum of Total Trips		8,715.76
		Total Vehicle Miles Traveled		108,772.71

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.5	12.5	12.5	12.5	12.5	12.5
Rural Trip Length (miles)	12.5	12.5	12.5	12.5	12.5	12.5
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Casino				23.0	11.5	65.5

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Regnl shopping cntr changed from 55 to 100
The Diverted Trip % for Regnl shopping cntr changed from 35 to 0
The Pass-By Trip % for Regnl shopping cntr changed from 10 to 0

Changes made to the default values for Construction

Changes made to the default values for Area

The hearth option switch changed from on to off.
The landscape year changed from 2005 to 2008.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2008.
The home based work selection item changed from 8 to 7.
The home based work urban trip length changed from 10.8 to 12.48.
The home based work rural trip length changed from 16.8 to 12.48.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 12.48.
The home based shopping rural trip length changed from 7.1 to 12.48.
The home based other selection item changed from 8 to 7.
The home based other urban trip length changed from 7.5 to 12.48.
The home based other rural trip length changed from 7.9 to 12.48.
The commercial based commute selection item changed from 8 to 7.
The commercial based commute urban trip length changed from 9.5 to 12.48.
The commercial based commute rural trip length changed from 14.7 to 12.48.
The commercial based non-work selection item changed from 8 to 7.
The commercial based non-work urban trip length changed from 7.35 to 12.48.
The commercial based non-work rural trip length changed from 6.6 to 12.48.
The commercial based customer selection item changed from 8 to 7.
The commercial based customer urban trip length changed from 7.35 to 12.48.
The commercial based customer rural trip length changed from 6.6 to 12.48.

URBEMIS Version 8.7 Output File

Construction Emissions and Operational Emissions for Comparison with San Joaquin Valley Air Pollution Control District Thresholds

Alternative C

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\Alternative C.urb
Project Name: North Fork Altern C - Retail Components
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2006 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	1.99	15.39	14.67	0.00	1.08	0.69	0.39

*** 2007 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	6.56	15.92	16.61	0.00	0.69	0.68	0.01

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.51	0.42	0.60	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	28.63	45.62	389.91	0.27	43.11

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	29.13	46.04	390.51	0.27	43.11

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\Alternative C.urb
Project Name: North Fork Altern C - Retail Components
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

Construction Start Month and Year: July, 2006
Construction Duration: 12
Total Land Use Area to be Developed: 10.9 acres
Maximum Acreage Disturbed Per Day: 2.7 acres
Single Family Units: 0 Multi-Family Units: 0
Retail/Office/Institutional/Industrial Square Footage: 237000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (tons/year)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2006***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.39	-	0.39
Off-Road Diesel	0.31	2.46	2.19	-	0.11	0.11	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.06	0.00	0.00	0.00	0.00
Total tons/year	0.31	2.46	2.25	0.00	0.50	0.11	0.39
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	1.66	12.92	12.12	-	0.58	0.58	0.00
Bldg Const Worker Trips	0.02	0.01	0.30	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	1.68	12.93	12.42	0.00	0.58	0.58	0.00
Total all phases tons/yr	1.99	15.39	14.67	0.00	1.08	0.69	0.39
*** 2007***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	2.12	15.76	16.00	-	0.68	0.68	0.00
Bldg Const Worker Trips	0.03	0.02	0.36	0.00	0.01	0.00	0.01
Arch Coatings Off-Gas	4.38	-	-	-	-	-	-
Arch Coatings Worker Trips	0.01	0.00	0.06	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.02	0.13	0.19	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	6.56	15.92	16.61	0.00	0.69	0.68	0.01
Total all phases tons/yr	6.56	15.92	16.61	0.00	0.69	0.68	0.01

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Jul '06
Phase 2 Duration: 1.3 months
On-Road Truck Travel (VMT): 0
Off-Road Equipment

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

Phase 3 - Building Construction Assumptions
Start Month/Year for Phase 3: Aug '06
Phase 3 Duration: 10.7 months
Start Month/Year for SubPhase Building: Aug '06
SubPhase Building Duration: 10.7 months
Off-Road Equipment

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

Start Month/Year for SubPhase Architectural Coatings: May '07
SubPhase Architectural Coatings Duration: 1.1 months
Start Month/Year for SubPhase Asphalt: Jun '07
SubPhase Asphalt Duration: 0.5 months
Acres to be Paved: 2.7
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

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.03	0.42	0.35	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.04	0.00	0.25	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.44	-	-	-	-
TOTALS (tpy, unmitigated)	0.51	0.42	0.60	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
High turnover (sit-down)	2.51	4.03	34.50	0.02	3.81
Fast food rest. w/ drive	3.25	5.24	44.84	0.03	4.95
Free-standing discount st	13.60	21.64	184.92	0.13	20.45
Discount club	9.26	14.71	125.66	0.09	13.90
TOTAL EMISSIONS (tons/yr)	28.63	45.62	389.91	0.27	43.11

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
High turnover (sit-down)		127.22 trips/1000 sq. ft.	9.00	1,144.98
Fast food rest. w/ drive		496.12 trips/1000 sq. ft	3.00	1,488.36
Free-standing discount st		49.21 trips/1000 sq. ft.	125.00	6,151.25
Discount club		41.80 trips/1000 sq. ft.	100.00	4,180.00
		Sum of Total Trips		12,964.59
		Total Vehicle Miles Traveled		155,315.79

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.0	12.0	12.0	12.0	12.0	12.0
Rural Trip Length (miles)	12.0	12.0	12.0	12.0	12.0	12.0
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

High turnover (sit-down) rest.	5.0	2.5	92.5
Fast food rest. w/ drive thru	5.0	2.5	92.5
Free-standing discount store	2.0	1.0	97.0
Discount club	2.0	1.0	97.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

Changes made to the default values for Area

The hearth option switch changed from on to off.
The landscape year changed from 2005 to 2008.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2008.
The home based work selection item changed from 8 to 7.
The home based work urban trip length changed from 10.8 to 11.98.
The home based work rural trip length changed from 16.8 to 11.98.

The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 11.98.
The home based shopping rural trip length changed from 7.1 to 11.98.
The home based other selection item changed from 8 to 7.
The home based other urban trip length changed from 7.5 to 11.98.
The home based other rural trip length changed from 7.9 to 11.98.
The commercial based commute selection item changed from 8 to 7.
The commercial based commute urban trip length changed from 9.5 to 11.98.
The commercial based commute rural trip length changed from 14.7 to 11.98.
The commercial based non-work selection item changed from 8 to 7.
The commercial based non-work urban trip length changed from 7.35 to 11.98.
The commercial based non-work rural trip length changed from 6.6 to 11.98.
The commercial based customer selection item changed from 8 to 7.
The commercial based customer urban trip length changed from 7.35 to 11.98.
The commercial based customer rural trip length changed from 6.6 to 11.98.

URBEMIS Version 8.7 Output File

Construction Emissions and Operational Emissions for Comparison with San Joaquin Valley Air Pollution Control District Thresholds

Alternative D

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\Alternative D.urb
Project Name: North Fork Altern D - Alternate Location
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2006 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	0.26	2.04	1.99	0.00	0.13	0.09	0.04

*** 2007 ***	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	0.76	2.03	2.22	0.00	0.08	0.08	0.00

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.06	0.05	0.10	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	3.37	5.41	46.30	0.03	5.21

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	3.43	5.46	46.40	0.03	5.21

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\Alternative D.urb
Project Name: North Fork Altern D - Alternate Location
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

Construction Start Month and Year: July, 2006
Construction Duration: 12
Total Land Use Area to be Developed: 1.2 acres
Maximum Acreage Disturbed Per Day: 0.3 acres
Single Family Units: 0 Multi-Family Units: 0
Retail/Office/Institutional/Industrial Square Footage: 26001

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (tons/year)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2006***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.04	-	0.04
Off-Road Diesel	0.06	0.49	0.44	-	0.02	0.02	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Total tons/year	0.06	0.49	0.45	0.00	0.06	0.02	0.04
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	0.20	1.55	1.51	-	0.07	0.07	0.00
Bldg Const Worker Trips	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.20	1.55	1.54	0.00	0.07	0.07	0.00
Total all phases tons/yr	0.26	2.04	1.99	0.00	0.13	0.09	0.04
*** 2007***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	0.26	1.90	1.98	-	0.08	0.08	0.00
Bldg Const Worker Trips	0.00	0.00	0.04	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas	0.48	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.02	0.13	0.19	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons/year	0.76	2.03	2.22	0.00	0.08	0.08	0.00
Total all phases tons/yr	0.76	2.03	2.22	0.00	0.08	0.08	0.00

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions
Start Month/Year for Phase 2: Jul '06
Phase 2 Duration: 1.3 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: Aug '06
Phase 3 Duration: 10.7 months
Start Month/Year for SubPhase Building: Aug '06
SubPhase Building Duration: 10.7 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: May '07
SubPhase Architectural Coatings Duration: 1.1 months
Start Month/Year for SubPhase Asphalt: Jun '07
SubPhase Asphalt Duration: 0.5 months
Acres to be Paved: 0.3
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

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.00	0.05	0.04	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.01	0.00	0.06	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.05	-	-	-	-
TOTALS (tpy, unmitigated)	0.06	0.05	0.10	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Casino	3.37	5.41	46.30	0.03	5.21
TOTAL EMISSIONS (tons/yr)	3.37	5.41	46.30	0.03	5.21

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Casino		43.80 trips/1000 sq. ft.	26.00	1,138.84
		Sum of Total Trips		1,138.84
		Total Vehicle Miles Traveled		18,756.76

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	16.5	16.5	16.5	16.5	16.5	16.5
Rural Trip Length (miles)	16.5	16.5	16.5	16.5	16.5	16.5
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Casino				29.0	14.5	56.5

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Regnl shopping cntr changed from 55 to 100
The Diverted Trip % for Regnl shopping cntr changed from 35 to 0
The Pass-By Trip % for Regnl shopping cntr changed from 10 to 0

Changes made to the default values for Construction

Changes made to the default values for Area

The hearth option switch changed from on to off.
The landscape year changed from 2005 to 2008.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2008.
The home based work selection item changed from 8 to 7.
The home based work urban trip length changed from 10.8 to 16.47.
The home based work rural trip length changed from 16.8 to 16.47.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 16.47.
The home based shopping rural trip length changed from 7.1 to 16.47.
The home based other selection item changed from 8 to 7.
The home based other urban trip length changed from 7.5 to 16.47.
The home based other rural trip length changed from 7.9 to 16.47.
The commercial based commute selection item changed from 8 to 7.
The commercial based commute urban trip length changed from 9.5 to 16.47.
The commercial based commute rural trip length changed from 14.7 to 16.47.
The commercial based non-work selection item changed from 8 to 7.
The commercial based non-work urban trip length changed from 7.35 to 16.47.
The commercial based non-work rural trip length changed from 6.6 to 16.47.
The commercial based customer selection item changed from 8 to 7.
The commercial based customer urban trip length changed from 7.35 to 16.47.
The commercial based customer rural trip length changed from 6.6 to 16.47.

URBEMIS Version 8.7 Output File

Long-Term Cumulative Operational Emissions for Comparison with San Joaquin Valley Air Pollution Control District Thresholds

Alternative A

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\For Cumulative\Alternative A - Cumul.urb
Project Name: North Fork Altern A - Proposed Action - Cumulative
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.77	0.94	0.90	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	6.49	8.11	81.92	0.27	42.88

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	7.26	9.05	82.83	0.27	42.88

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\For Cumulative\Alternative A - Cumul.urb
Project Name: North Fork Altern A - Proposed Action - Cumulative
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.07	0.94	0.79	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.02	0.00	0.11	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.68	-	-	-	-
TOTALS (tpy, unmitigated)	0.77	0.94	0.90	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Hotel	0.40	0.39	3.98	0.01	2.08
Casino	6.10	7.71	77.95	0.25	40.80
TOTAL EMISSIONS (tons/yr)	6.49	8.11	81.92	0.27	42.88

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2030 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Hotel		3.00 trips/rooms	200.00	600.00
Casino		43.80 trips/1000 sq. ft.	268.481	1,759.42
		Sum of Total Trips		12,359.42
		Total Vehicle Miles Traveled		155,357.96

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	52.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.90	0.00	100.00	0.00
Light Truck 3,751- 5,750	16.70	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.60	0.00	100.00	0.00
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.70	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	33.30	66.70	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.60	0.00	92.30	7.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.6	12.6	12.6	12.6	12.6	12.6
Rural Trip Length (miles)	12.6	12.6	12.6	12.6	12.6	12.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Hotel				23.0	11.5	65.5
Casino				23.0	11.5	65.5

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Regnl shopping cntr changed from 55 to 100
The Diverted Trip % for Regnl shopping cntr changed from 35 to 0
The Pass-By Trip % for Regnl shopping cntr changed from 10 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.
The landscape year changed from 2005 to 2020.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2030.
The home based work selection item changed from 8 to 7.
The home based work urban trip length changed from 10.8 to 12.57.
The home based work rural trip length changed from 16.8 to 12.57.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 12.57.
The home based shopping rural trip length changed from 7.1 to 12.57.
The home based other selection item changed from 8 to 7.
The home based other urban trip length changed from 7.5 to 12.57.
The home based other rural trip length changed from 7.9 to 12.57.
The commercial based commute selection item changed from 8 to 7.
The commercial based commute urban trip length changed from 9.5 to 12.57.
The commercial based commute rural trip length changed from 14.7 to 12.57.
The commercial based non-work selection item changed from 8 to 7.
The commercial based non-work urban trip length changed from 7.35 to 12.57.
The commercial based non-work rural trip length changed from 6.6 to 12.57.
The commercial based customer selection item changed from 8 to 7.
The commercial based customer urban trip length changed from 7.35 to 12.57.
The commercial based customer rural trip length changed from 6.6 to 12.57.

URBEMIS Version 8.7 Output File

Long-Term Cumulative Operational Emissions for Comparison with San Joaquin Valley Air Pollution Control District Thresholds

Alternative B

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\For Cumulative\Alternative B - Cumul.urb
Project Name: North Fork Altern B - Reduced Intensity - Cumulative
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.40	0.35	0.35	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	4.49	5.68	57.41	0.19	30.02

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	4.89	6.03	57.76	0.19	30.02

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\For Cumulative\Alternative B - Cumul.urb
Project Name: North Fork Altern B - Reduced Intensity - Cumulative
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.03	0.35	0.29	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.01	0.00	0.06	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.37	-	-	-	-
TOTALS (tpy, unmitigated)	0.40	0.35	0.35	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Casino	4.49	5.68	57.41	0.19	30.02
TOTAL EMISSIONS (tons/yr)	4.49	5.68	57.41	0.19	30.02

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2030 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Casino		43.80 trips/1000 sq. ft.	198.99	8,715.76
		Sum of Total Trips		8,715.76
		Total Vehicle Miles Traveled		108,772.71

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	52.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.90	0.00	100.00	0.00
Light Truck 3,751- 5,750	16.70	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.60	0.00	100.00	0.00
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.70	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	33.30	66.70	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.60	0.00	92.30	7.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.5	12.5	12.5	12.5	12.5	12.5
Rural Trip Length (miles)	12.5	12.5	12.5	12.5	12.5	12.5
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Casino				23.0	11.5	65.5

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Regnl shopping cntr changed from 55 to 100
The Diverted Trip % for Regnl shopping cntr changed from 35 to 0
The Pass-By Trip % for Regnl shopping cntr changed from 10 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.
The landscape year changed from 2005 to 2020.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2030.
The home based work selection item changed from 8 to 7.
The home based work urban trip length changed from 10.8 to 12.48.
The home based work rural trip length changed from 16.8 to 12.48.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 12.48.
The home based shopping rural trip length changed from 7.1 to 12.48.
The home based other selection item changed from 8 to 7.
The home based other urban trip length changed from 7.5 to 12.48.
The home based other rural trip length changed from 7.9 to 12.48.
The commercial based commute selection item changed from 8 to 7.
The commercial based commute urban trip length changed from 9.5 to 12.48.
The commercial based commute rural trip length changed from 14.7 to 12.48.
The commercial based non-work selection item changed from 8 to 7.
The commercial based non-work urban trip length changed from 7.35 to 12.48.
The commercial based non-work rural trip length changed from 6.6 to 12.48.
The commercial based customer selection item changed from 8 to 7.
The commercial based customer urban trip length changed from 7.35 to 12.48.
The commercial based customer rural trip length changed from 6.6 to 12.48.

URBEMIS Version 8.7 Output File

Long-Term Cumulative Operational Emissions for Comparison with San Joaquin Valley Air Pollution Control District Thresholds

Alternative C

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\For Cumulative\Alternative C - Cumul.urb
Project Name: North Fork Altern C - Retail Components - Cumulative
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.50	0.42	0.58	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	6.36	8.11	81.04	0.26	42.86

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	6.86	8.53	81.61	0.26	42.86

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\For Cumulative\Alternative C - Cumul.urb
Project Name: North Fork Altern C - Retail Components - Cumulative
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.03	0.42	0.35	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.03	0.00	0.23	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.44	-	-	-	-
TOTALS (tpy, unmitigated)	0.50	0.42	0.58	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
High turnover (sit-down)	0.56	0.72	7.17	0.02	3.79
Fast food rest. w/ drive	0.72	0.93	9.32	0.03	4.92
Free-standing discount st	3.02	3.85	38.43	0.13	20.34
Discount club	2.06	2.61	26.11	0.09	13.82
TOTAL EMISSIONS (tons/yr)	6.36	8.11	81.04	0.26	42.86

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2030 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
High turnover (sit-down)		127.22 trips/1000 sq. ft.	9.00	1,144.98
Fast food rest. w/ drive		496.12 trips/1000 sq. ft	3.00	1,488.36
Free-standing discount st		49.21 trips/1000 sq. ft.	125.00	6,151.25
Discount club		41.80 trips/1000 sq. ft.	100.00	4,180.00
		Sum of Total Trips		12,964.59
		Total Vehicle Miles Traveled		155,315.79

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	52.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.90	0.00	100.00	0.00
Light Truck 3,751- 5,750	16.70	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.60	0.00	100.00	0.00
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.70	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	33.30	66.70	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.60	0.00	92.30	7.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.0	12.0	12.0	12.0	12.0	12.0
Rural Trip Length (miles)	12.0	12.0	12.0	12.0	12.0	12.0
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

High turnover (sit-down) rest.	5.0	2.5	92.5
Fast food rest. w/ drive thru	5.0	2.5	92.5
Free-standing discount store	2.0	1.0	97.0
Discount club	2.0	1.0	97.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The hearth option switch changed from on to off.
The landscape year changed from 2005 to 2020.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2030.
The home based work selection item changed from 8 to 7.
The home based work urban trip length changed from 10.8 to 11.98.
The home based work rural trip length changed from 16.8 to 11.98.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 11.98.
The home based shopping rural trip length changed from 7.1 to 11.98.
The home based other selection item changed from 8 to 7.
The home based other urban trip length changed from 7.5 to 11.98.
The home based other rural trip length changed from 7.9 to 11.98.
The commercial based commute selection item changed from 8 to 7.
The commercial based commute urban trip length changed from 9.5 to 11.98.
The commercial based commute rural trip length changed from 14.7 to 11.98.
The commercial based non-work selection item changed from 8 to 7.
The commercial based non-work urban trip length changed from 7.35 to 11.98.
The commercial based non-work rural trip length changed from 6.6 to 11.98.
The commercial based customer selection item changed from 8 to 7.
The commercial based customer urban trip length changed from 7.35 to 11.98.
The commercial based customer rural trip length changed from 6.6 to 11.98.

URBEMIS Version 8.7 Output File

Long-Term Cumulative Operational Emissions for Comparison with San Joaquin Valley Air Pollution Control District Thresholds

Alternative D

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\For Cumulative\Alternative D - Cumul.urb
Project Name: North Fork Altern D - Alternate Location - Cumulative
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.06	0.05	0.10	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.75	0.96	9.63	0.03	5.18

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.81	1.00	9.72	0.03	5.18

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Documents and Settings\All Users\Desktop_Projects_URBEMIS8_7 Projects\North Fork Casino\For Cumulative\Alternative D - Cumul.urb
Project Name: North Fork Altern D - Alternate Location - Cumulative
Project Location: San Joaquin Valley
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.00	0.05	0.04	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.01	0.00	0.06	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.05	-	-	-	-
TOTALS (tpy, unmitigated)	0.06	0.05	0.10	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Casino	0.75	0.96	9.63	0.03	5.18
TOTAL EMISSIONS (tons/yr)	0.75	0.96	9.63	0.03	5.18

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2030 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Casino		43.80 trips/1000 sq. ft.	26.00	1,138.84
		Sum of Total Trips		1,138.84
		Total Vehicle Miles Traveled		18,756.76

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	52.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.90	0.00	100.00	0.00
Light Truck 3,751- 5,750	16.70	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.60	0.00	100.00	0.00
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.70	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	33.30	66.70	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.60	0.00	92.30	7.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	16.5	16.5	16.5	16.5	16.5	16.5
Rural Trip Length (miles)	16.5	16.5	16.5	16.5	16.5	16.5
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Casino				29.0	14.5	56.5

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Regnl shopping cntr changed from 55 to 100
The Diverted Trip % for Regnl shopping cntr changed from 35 to 0
The Pass-By Trip % for Regnl shopping cntr changed from 10 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.
The landscape year changed from 2005 to 2020.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2030.
The home based work selection item changed from 8 to 7.
The home based work urban trip length changed from 10.8 to 16.47.
The home based work rural trip length changed from 16.8 to 16.47.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 16.47.
The home based shopping rural trip length changed from 7.1 to 16.47.
The home based other selection item changed from 8 to 7.
The home based other urban trip length changed from 7.5 to 16.47.
The home based other rural trip length changed from 7.9 to 16.47.
The commercial based commute selection item changed from 8 to 7.
The commercial based commute urban trip length changed from 9.5 to 16.47.
The commercial based commute rural trip length changed from 14.7 to 16.47.
The commercial based non-work selection item changed from 8 to 7.
The commercial based non-work urban trip length changed from 7.35 to 16.47.
The commercial based non-work rural trip length changed from 6.6 to 16.47.
The commercial based customer selection item changed from 8 to 7.
The commercial based customer urban trip length changed from 7.35 to 16.47.
The commercial based customer rural trip length changed from 6.6 to 16.47.

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Urbemis 2007 Version 9.2.2

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Northfork\Northfork GHG Alt B.urb9

Project Name: Alternative B GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (tons/year unmitigated)	720.24
2006 TOTALS (tons/year mitigated)	720.24
Percent Reduction	0.00
2007 TOTALS (tons/year unmitigated)	462.31
2007 TOTALS (tons/year mitigated)	462.31
Percent Reduction	0.00

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	290.78
TOTALS (tons/year, mitigated)	232.67
Percent Reduction	19.98

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OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	18,597.34

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	18,888.12

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

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Urbemis 2007 Version 9.2.2

Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Northfork\Northfork GHG Alt B.urb9

Project Name: Alternative B GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (lbs/day unmitigated)	12,795.58
2006 TOTALS (lbs/day mitigated)	12,795.58
2007 TOTALS (lbs/day unmitigated)	11,300.86
2007 TOTALS (lbs/day mitigated)	11,300.86

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	1,594.67
TOTALS (lbs/day, mitigated)	1,276.29
Percent Reduction	19.97

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OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	105,988.37

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	107,583.04

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

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	CO2
Time Slice 6/1/2006-7/31/2006 Active Days: 52	6,397.79
Mass Grading 06/01/2006-08/01/2006	6,397.79
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	6,103.61
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	294.18
Time Slice 8/1/2006-8/1/2006 Active Days: 1	**12,795.58**
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Mass Grading 06/01/2006-08/01/2006	6,397.79
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	6,103.61
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	294.18

Time Slice 8/2/2006-8/31/2006 Active Days: 26	6,397.79
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Time Slice 9/1/2006-9/1/2006 Active Days: 1	6,425.94
Coating 09/01/2006-05/01/2007	28.14
Architectural Coating	0.00
Coating Worker Trips	28.14
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Time Slice 9/2/2006-9/9/2006 Active Days: 7	28.14
Coating 09/01/2006-05/01/2007	28.14
Architectural Coating	0.00
Coating Worker Trips	28.14

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Time Slice 9/11/2006-12/30/2006 Active Days: 96	9,604.62
Building 09/11/2006-03/31/2007	9,576.48
Building Off Road Diesel	7,529.09
Building Vendor Trips	548.77
Building Worker Trips	1,498.62
Coating 09/01/2006-05/01/2007	28.14
Architectural Coating	0.00
Coating Worker Trips	28.14
Time Slice 1/1/2007-1/31/2007 Active Days: 27	9,604.07
Building 09/11/2006-03/31/2007	9,575.94
Building Off Road Diesel	7,529.09
Building Vendor Trips	548.88
Building Worker Trips	1,497.97
Coating 09/01/2006-05/01/2007	28.13
Architectural Coating	0.00
Coating Worker Trips	28.13

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Time Slice 2/1/2007-3/31/2007 Active Days: 51	11,300.86
Asphalt 02/01/2007-05/31/2007	1,696.78
Paving Off-Gas	0.00
Paving Off Road Diesel	1,533.87
Paving On Road Diesel	45.29
Paving Worker Trips	117.62
Building 09/11/2006-03/31/2007	9,575.94
Building Off Road Diesel	7,529.09
Building Vendor Trips	548.88
Building Worker Trips	1,497.97
Coating 09/01/2006-05/01/2007	28.13
Architectural Coating	0.00
Coating Worker Trips	28.13
Time Slice 4/2/2007-5/1/2007 Active Days: 26	1,724.92
Asphalt 02/01/2007-05/31/2007	1,696.78
Paving Off-Gas	0.00
Paving Off Road Diesel	1,533.87
Paving On Road Diesel	45.29
Paving Worker Trips	117.62
Coating 09/01/2006-05/01/2007	28.13
Architectural Coating	0.00
Coating Worker Trips	28.13

Time Slice 5/2/2007-5/31/2007 Active Days: 26	1,696.78
Asphalt 02/01/2007-05/31/2007	1,696.78
Paving Off-Gas	0.00
Paving Off Road Diesel	1,533.87
Paving On Road Diesel	45.29
Paving Worker Trips	117.62

Phase Assumptions

Phase: Fine Grading 8/1/2006 - 9/1/2006 - Default Fine Site Grading Description

Total Acres Disturbed: 9.14

Maximum Daily Acreage Disturbed: 2.28

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

5 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

5 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Mass Grading 6/1/2006 - 8/1/2006 - Type Your Description Here

Total Acres Disturbed: 9.14

Maximum Daily Acreage Disturbed: 2.28

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

5 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

5 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

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Phase: Paving 2/1/2007 - 5/31/2007 - Default Paving Description

Acres to be Paved: 2.28

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 9/11/2006 - 3/31/2007 - Default Building Construction Description

Off-Road Equipment:

5 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

9 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

5 Rough Terrain Forklifts (93 hp) operating at a 0.6 load factor for 8 hours per day

Phase: Architectural Coating 9/1/2006 - 5/1/2007 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

CO2

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Time Slice 6/1/2006-7/31/2006 Active Days: 52	6,397.79
Mass Grading 06/01/2006-08/01/2006	6,397.79
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	6,103.61
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	294.18
Time Slice 8/1/2006-8/1/2006 Active Days: 1	**12,795.58**
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Mass Grading 06/01/2006-08/01/2006	6,397.79
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	6,103.61
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	294.18

Time Slice 8/2/2006-8/31/2006 Active Days: 26	6,397.79
Fine Grading 08/01/2006-09/01/2006	6,397.79
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Time Slice 9/1/2006-9/1/2006 Active Days: 1	6,425.94
Coating 09/01/2006-05/01/2007	28.14
Architectural Coating	0.00
Coating Worker Trips	28.14
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Time Slice 9/2/2006-9/9/2006 Active Days: 7	28.14
Coating 09/01/2006-05/01/2007	28.14
Architectural Coating	0.00
Coating Worker Trips	28.14

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Time Slice 9/11/2006-12/30/2006 Active Days: 96	9,604.62
Building 09/11/2006-03/31/2007	9,576.48
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Time Slice 1/1/2007-1/31/2007 Active Days: 27	9,604.07
Building 09/11/2006-03/31/2007	9,575.94
Building Off Road Diesel	7,529.09
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Building Worker Trips	1,497.97
Coating 09/01/2006-05/01/2007	28.13
Architectural Coating	0.00
Coating Worker Trips	28.13

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Time Slice 2/1/2007-3/31/2007 Active Days: 51	11,300.86
Asphalt 02/01/2007-05/31/2007	1,696.78
Paving Off-Gas	0.00
Paving Off Road Diesel	1,533.87
Paving On Road Diesel	45.29
Paving Worker Trips	117.62
Building 09/11/2006-03/31/2007	9,575.94
Building Off Road Diesel	7,529.09
Building Vendor Trips	548.88
Building Worker Trips	1,497.97
Coating 09/01/2006-05/01/2007	28.13
Architectural Coating	0.00
Coating Worker Trips	28.13
Time Slice 4/2/2007-5/1/2007 Active Days: 26	1,724.92
Asphalt 02/01/2007-05/31/2007	1,696.78
Paving Off-Gas	0.00
Paving Off Road Diesel	1,533.87
Paving On Road Diesel	45.29
Paving Worker Trips	117.62
Coating 09/01/2006-05/01/2007	28.13
Architectural Coating	0.00
Coating Worker Trips	28.13

Time Slice 5/2/2007-5/31/2007	1,696.78
Active Days: 26	
Asphalt 02/01/2007-05/31/2007	1,696.78
Paving Off-Gas	0.00
Paving Off Road Diesel	1,533.87
Paving On Road Diesel	45.29
Paving Worker Trips	117.62

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 8/1/2006 - 9/1/2006 - Default Fine Site Grading Description

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Replace ground cover in disturbed areas quickly mitigation reduces emissions by:

PM10: 5% PM25: 5%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Mass Grading 6/1/2006 - 8/1/2006 - Type Your Description Here

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Replace ground cover in disturbed areas quickly mitigation reduces emissions by:

PM10: 5% PM25: 5%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

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The following mitigation measures apply to Phase: Paving 2/1/2007 - 5/31/2007 - Default Paving Description

For Pavers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Pavers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Pavers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rollers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rollers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rollers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Building Construction 9/11/2006 - 3/31/2007 - Default Building Construction Description

For Concrete/Industrial Saws, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Concrete/Industrial Saws, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

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For Concrete/Industrial Saws, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Other General Industrial Equipment, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Other General Industrial Equipment, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Other General Industrial Equipment, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rough Terrain Forklifts, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rough Terrain Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rough Terrain Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Architectural Coating 9/1/2006 - 5/1/2007 - Default Architectural Coating Description

For Residential Architectural Coating Measures, the Residential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Residential Architectural Coating Measures, the Residential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	CO2
Natural Gas	1,591.92
Hearth - No Summer Emissions	
Landscape	2.75
Consumer Products	
Architectural Coatings	
TOTALS (lbs/day, unmitigated)	1,594.67

Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

Source	CO2
Natural Gas	1,273.54
Hearth - No Summer Emissions	
Landscape	2.75
Consumer Products	
Architectural Coatings	
TOTALS (lbs/day, mitigated)	1,276.29

Area Source Mitigation Measures Selected

Mitigation Description	Percent Reduction
Residential Increase Energy Efficiency Beyond Title 24	20.00
Commercial Increase Energy Efficiency Beyond Title 24	20.00
Industrial Increase Energy Efficiency Beyond Title 24	20.00

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	CO2
Casino	105,988.37
TOTALS (lbs/day, unmitigated)	105,988.37

Operational Settings:

Includes correction for passby trips

Includes the following double counting adjustment for internal trips:

Residential Trip % Reduction: 0.00 Nonresidential Trip % Reduction: 0.00

Analysis Year: 2008 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Casino		43.80	1000 sq ft	198.99	8,715.76	98,946.56
					8,715.76	98,946.56

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	42.4	2.4	97.1	0.5
Light Truck < 3750 lbs	12.1	5.0	87.6	7.4

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck 3751-5750 lbs	21.0	1.9	97.6	0.5
Med Truck 5751-8500 lbs	11.9	1.7	98.3	0.0
Lite-Heavy Truck 8501-10,000 lbs	2.4	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	0.9	0.0	44.4	55.6
Med-Heavy Truck 14,001-33,000 lbs	1.3	7.7	15.4	76.9
Heavy-Heavy Truck 33,001-60,000 lbs	2.9	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	3.9	76.9	23.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.0	10.0	80.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.5	12.6	12.6	12.6	12.6	12.6
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Casino				2.0	1.0	97.0

Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 12.5 miles

Home-based shop urban trip length changed from 7.3 miles to 12.6 miles

Home-based other urban trip length changed from 7.5 miles to 12.6 miles

Commercial-based commute urban trip length changed from 9.5 miles to 12.6 miles

Commercial-based non-work urban trip length changed from 7.35 miles to 12.6 miles

Commercial-based customer urban trip length changed from 7.35 miles to 12.6 miles

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Urbemis 2007 Version 9.2.2

Summary Report for Annual Emissions (Tons/Year)

File Name:

Project Name: Alternative A GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (tons/year unmitigated)	1,254.93
2006 TOTALS (tons/year mitigated)	1,254.93
Percent Reduction	0.00
2007 TOTALS (tons/year unmitigated)	882.28
2007 TOTALS (tons/year mitigated)	882.28
Percent Reduction	0.00

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	742.87
TOTALS (tons/year, mitigated)	594.39
Percent Reduction	19.99

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OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	26,372.65

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	27,115.52

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

1/15/2008 4:44:34 PM

Urbemis 2007 Version 9.2.2

Summary Report for Summer Emissions (Pounds/Day)

File Name:

Project Name: Alternative A GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (lbs/day unmitigated)	20,472.94
2006 TOTALS (lbs/day mitigated)	20,472.94
2007 TOTALS (lbs/day unmitigated)	21,366.57
2007 TOTALS (lbs/day mitigated)	21,366.57

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	4,073.34
TOTALS (lbs/day, mitigated)	3,259.77
Percent Reduction	19.97

1/15/2008 4:44:35 PM

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	150,300.63

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	154,373.97

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

1/15/2008 4:46:32 PM

Urbemis 2007 Version 9.2.2

Combined Summer Emissions Reports (Pounds/Day)

File Name:

Project Name: Alternative A GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

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Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (lbs/day unmitigated)	20,472.94
2006 TOTALS (lbs/day mitigated)	20,472.94
2007 TOTALS (lbs/day unmitigated)	21,366.57
2007 TOTALS (lbs/day mitigated)	21,366.57

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	4,073.34
TOTALS (lbs/day, mitigated)	3,259.77
Percent Reduction	19.97

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	150,300.63

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	154,373.97

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

1/15/2008 4:46:32 PM

	CO2
Time Slice 6/1/2006-7/31/2006 Active Days: 52	10,236.47
Mass Grading 06/01/2006-08/01/2006	10,236.47
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	9,765.77
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	470.70
Time Slice 8/1/2006-8/1/2006 Active Days: 1	20,472.94
Fine Grading 08/01/2006-09/01/2006	10,236.47
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	9,765.77
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	470.70
Mass Grading 06/01/2006-08/01/2006	10,236.47
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	9,765.77
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	470.70

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Time Slice 8/2/2006-8/31/2006 Active Days: 26	10,236.47
Fine Grading 08/01/2006-09/01/2006	10,236.47
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	9,765.77
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	470.70
Time Slice 9/1/2006-9/1/2006 Active Days: 1	10,288.58
Coating 09/01/2006-05/01/2007	52.12
Architectural Coating	0.00
Coating Worker Trips	52.12
Fine Grading 08/01/2006-09/01/2006	10,236.47
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	9,765.77
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	470.70
Time Slice 9/2/2006-9/9/2006 Active Days: 7	52.12
Coating 09/01/2006-05/01/2007	52.12
Architectural Coating	0.00
Coating Worker Trips	52.12

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Time Slice 9/11/2006-12/30/2006 Active Days: 96	17,503.10
Building 09/11/2006-03/31/2007	17,450.99
Building Off Road Diesel	13,659.74
Building Vendor Trips	1,016.18
Building Worker Trips	2,775.07
Coating 09/01/2006-05/01/2007	52.12
Architectural Coating	0.00
Coating Worker Trips	52.12
Time Slice 1/1/2007-1/31/2007 Active Days: 27	17,502.09
Building 09/11/2006-03/31/2007	17,450.00
Building Off Road Diesel	13,659.74
Building Vendor Trips	1,016.39
Building Worker Trips	2,773.87
Coating 09/01/2006-05/01/2007	52.09
Architectural Coating	0.00
Coating Worker Trips	52.09

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Time Slice 2/1/2007-3/31/2007 Active Days: 51	21,366.57
Asphalt 02/01/2007-05/31/2007	3,864.48
Paving Off-Gas	0.00
Paving Off Road Diesel	3,574.61
Paving On Road Diesel	84.03
Paving Worker Trips	205.84
Building 09/11/2006-03/31/2007	17,450.00
Building Off Road Diesel	13,659.74
Building Vendor Trips	1,016.39
Building Worker Trips	2,773.87
Coating 09/01/2006-05/01/2007	52.09
Architectural Coating	0.00
Coating Worker Trips	52.09
Time Slice 4/2/2007-5/1/2007 Active Days: 26	3,916.57
Asphalt 02/01/2007-05/31/2007	3,864.48
Paving Off-Gas	0.00
Paving Off Road Diesel	3,574.61
Paving On Road Diesel	84.03
Paving Worker Trips	205.84
Coating 09/01/2006-05/01/2007	52.09
Architectural Coating	0.00
Coating Worker Trips	52.09

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Time Slice 5/2/2007-5/31/2007	3,864.48
Active Days: 26	
Asphalt 02/01/2007-05/31/2007	3,864.48
Paving Off-Gas	0.00
Paving Off Road Diesel	3,574.61
Paving On Road Diesel	84.03
Paving Worker Trips	205.84

Phase Assumptions

Phase: Fine Grading 8/1/2006 - 9/1/2006 - Default Fine Site Grading Description

Total Acres Disturbed: 16.92

Maximum Daily Acreage Disturbed: 4.23

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

8 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

8 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Mass Grading 6/1/2006 - 8/1/2006 - Type Your Description Here

Total Acres Disturbed: 16.92

Maximum Daily Acreage Disturbed: 4.23

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

8 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

8 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

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Phase: Paving 2/1/2007 - 5/31/2007 - Default Paving Description

Acres to be Paved: 4.23

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Off Highway Trucks (479 hp) operating at a 0.57 load factor for 8 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Paving Equipment (104 hp) operating at a 0.53 load factor for 6 hours per day

2 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 9/11/2006 - 3/31/2007 - Default Building Construction Description

Off-Road Equipment:

8 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

17 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

8 Rough Terrain Forklifts (93 hp) operating at a 0.6 load factor for 8 hours per day

Phase: Architectural Coating 9/1/2006 - 5/1/2007 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

CO2

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Time Slice 6/1/2006-7/31/2006 Active Days: 52	10,236.47
Mass Grading 06/01/2006-08/01/2006	10,236.47
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	9,765.77
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	470.70
Time Slice 8/1/2006-8/1/2006 Active Days: 1	20,472.94
Fine Grading 08/01/2006-09/01/2006	10,236.47
Fine Grading Dust	0.00
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Fine Grading On Road Diesel	0.00
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Mass Grading 06/01/2006-08/01/2006	10,236.47
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	9,765.77
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	470.70

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Time Slice 8/2/2006-8/31/2006 Active Days: 26	10,236.47
Fine Grading 08/01/2006-09/01/2006	10,236.47
Fine Grading Dust	0.00
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Fine Grading Worker Trips	470.70
Time Slice 9/1/2006-9/1/2006 Active Days: 1	10,288.58
Coating 09/01/2006-05/01/2007	52.12
Architectural Coating	0.00
Coating Worker Trips	52.12
Fine Grading 08/01/2006-09/01/2006	10,236.47
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	9,765.77
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	470.70
Time Slice 9/2/2006-9/9/2006 Active Days: 7	52.12
Coating 09/01/2006-05/01/2007	52.12
Architectural Coating	0.00
Coating Worker Trips	52.12

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Time Slice 9/11/2006-12/30/2006 Active Days: 96	17,503.10
Building 09/11/2006-03/31/2007	17,450.99
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Building Vendor Trips	1,016.18
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Coating 09/01/2006-05/01/2007	52.12
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Building Vendor Trips	1,016.39
Building Worker Trips	2,773.87
Coating 09/01/2006-05/01/2007	52.09
Architectural Coating	0.00
Coating Worker Trips	52.09

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Time Slice 2/1/2007-3/31/2007 Active Days: 51	21,366.57
Asphalt 02/01/2007-05/31/2007	3,864.48
Paving Off-Gas	0.00
Paving Off Road Diesel	3,574.61
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Paving Worker Trips	205.84
Building 09/11/2006-03/31/2007	17,450.00
Building Off Road Diesel	13,659.74
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Coating 09/01/2006-05/01/2007	52.09
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Paving Off Road Diesel	3,574.61
Paving On Road Diesel	84.03
Paving Worker Trips	205.84
Coating 09/01/2006-05/01/2007	52.09
Architectural Coating	0.00
Coating Worker Trips	52.09

Time Slice 5/2/2007-5/31/2007	3,864.48
Active Days: 26	
Asphalt 02/01/2007-05/31/2007	3,864.48
Paving Off-Gas	0.00
Paving Off Road Diesel	3,574.61
Paving On Road Diesel	84.03
Paving Worker Trips	205.84

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 8/1/2006 - 9/1/2006 - Default Fine Site Grading Description

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Replace ground cover in disturbed areas quickly mitigation reduces emissions by:

PM10: 5% PM25: 5%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Mass Grading 6/1/2006 - 8/1/2006 - Type Your Description Here

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Replace ground cover in disturbed areas quickly mitigation reduces emissions by:

PM10: 5% PM25: 5%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

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The following mitigation measures apply to Phase: Paving 2/1/2007 - 5/31/2007 - Default Paving Description

For Pavers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Pavers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Pavers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Paving Equipment, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Paving Equipment, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Paving Equipment, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rollers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rollers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rollers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Off Highway Trucks, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Off Highway Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Off Highway Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Building Construction 9/11/2006 - 3/31/2007 - Default Building Construction Description

For Concrete/Industrial Saws, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Concrete/Industrial Saws, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Concrete/Industrial Saws, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Other General Industrial Equipment, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Other General Industrial Equipment, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Other General Industrial Equipment, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rough Terrain Forklifts, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rough Terrain Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rough Terrain Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Architectural Coating 9/1/2006 - 5/1/2007 - Default Architectural Coating Description

For Residential Architectural Coating Measures, the Residential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Residential Architectural Coating Measures, the Residential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	CO2
Natural Gas	4,067.84
Hearth - No Summer Emissions	
Landscape	5.50
Consumer Products	
Architectural Coatings	
TOTALS (lbs/day, unmitigated)	4,073.34

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Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

Source	CO2
Natural Gas	3,254.27
Hearth - No Summer Emissions	
Landscape	5.50
Consumer Products	
Architectural Coatings	
TOTALS (lbs/day, mitigated)	3,259.77

Area Source Mitigation Measures Selected

Mitigation Description	Percent Reduction
Residential Increase Energy Efficiency Beyond Title 24	20.00
Commercial Increase Energy Efficiency Beyond Title 24	20.00
Industrial Increase Energy Efficiency Beyond Title 24	20.00

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	CO2
Hotel	7,299.68
Casino	143,000.95
TOTALS (lbs/day, unmitigated)	150,300.63

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Operational Settings:

Includes correction for passby trips

Includes the following double counting adjustment for internal trips:

Residential Trip % Reduction: 0.00 Nonresidential Trip % Reduction: 0.00

Analysis Year: 2008 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Hotel		3.00	rooms	200.00	600.00	6,811.56
Casino		43.80	1000 sq ft	268.48	11,759.42	133,500.04
					12,359.42	140,311.60

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	42.4	2.4	97.1	0.5
Light Truck < 3750 lbs	12.1	5.0	87.6	7.4
Light Truck 3751-5750 lbs	21.0	1.9	97.6	0.5
Med Truck 5751-8500 lbs	11.9	1.7	98.3	0.0
Lite-Heavy Truck 8501-10,000 lbs	2.4	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	0.9	0.0	44.4	55.6
Med-Heavy Truck 14,001-33,000 lbs	1.3	7.7	15.4	76.9
Heavy-Heavy Truck 33,001-60,000 lbs	2.9	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motorcycle	3.9	76.9	23.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.0	10.0	80.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.5	12.6	12.6	12.6	12.6	12.6
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Hotel				5.0	2.5	92.5
Casino				2.0	1.0	97.0

Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 12.5 miles

Home-based shop urban trip length changed from 7.3 miles to 12.6 miles

Home-based other urban trip length changed from 7.5 miles to 12.6 miles

Commercial-based commute urban trip length changed from 9.5 miles to 12.6 miles

Commercial-based non-work urban trip length changed from 7.35 miles to 12.6 miles

Commercial-based customer urban trip length changed from 7.35 miles to 12.6 miles

1/17/2008 1:15:50 PM

Urbemis 2007 Version 9.2.2

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Northfork\Northfork GHG Alt C.urb9

Project Name: Alternative C GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (tons/year unmitigated)	798.86
2006 TOTALS (tons/year mitigated)	798.86
Percent Reduction	0.00
2007 TOTALS (tons/year unmitigated)	510.41
2007 TOTALS (tons/year mitigated)	510.41
Percent Reduction	0.00

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	502.72
TOTALS (tons/year, mitigated)	402.37
Percent Reduction	19.96

1/17/2008 1:15:50 PM

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	19,234.36

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	19,737.08

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

1/17/2008 1:15:21 PM

Urbemis 2007 Version 9.2.2

Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Northfork\Northfork GHG Alt C.urb9

Project Name: Alternative C GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (lbs/day unmitigated)	12,795.58
2006 TOTALS (lbs/day mitigated)	12,795.58
2007 TOTALS (lbs/day unmitigated)	12,630.94
2007 TOTALS (lbs/day mitigated)	12,630.94

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	2,760.19
TOTALS (lbs/day, mitigated)	2,210.35
Percent Reduction	19.92

1/17/2008 1:15:21 PM

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	109,595.19

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	112,355.38

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

1/17/2008 1:16:36 PM

Urbemis 2007 Version 9.2.2

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Northfork\Northfork GHG Alt C.urb9

Project Name: Alternative C GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

1/17/2008 1:16:36 PM

	CO2
Time Slice 6/1/2006-7/31/2006 Active Days: 52	6,397.79
Mass Grading 06/01/2006-08/01/2006	6,397.79
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	6,103.61
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	294.18
Time Slice 8/1/2006-8/1/2006 Active Days: 1	**12,795.58**
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Mass Grading 06/01/2006-08/01/2006	6,397.79
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	6,103.61
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	294.18

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Time Slice 8/2/2006-8/31/2006 Active Days: 26	6,397.79
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Time Slice 9/1/2006-9/1/2006 Active Days: 1	6,431.31
Coating 09/01/2006-05/01/2007	33.52
Architectural Coating	0.00
Coating Worker Trips	33.52
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Time Slice 9/2/2006-9/9/2006 Active Days: 7	33.52
Coating 09/01/2006-05/01/2007	33.52
Architectural Coating	0.00
Coating Worker Trips	33.52

1/17/2008 1:16:37 PM

Time Slice 9/11/2006-12/30/2006 Active Days: 96	11,242.00
Building 09/11/2006-03/31/2007	11,208.48
Building Off Road Diesel	8,770.01
Building Vendor Trips	653.59
Building Worker Trips	1,784.88
Coating 09/01/2006-05/01/2007	33.52
Architectural Coating	0.00
Coating Worker Trips	33.52
Time Slice 1/1/2007-1/31/2007 Active Days: 27	11,241.35
Building 09/11/2006-03/31/2007	11,207.84
Building Off Road Diesel	8,770.01
Building Vendor Trips	653.72
Building Worker Trips	1,784.10
Coating 09/01/2006-05/01/2007	33.51
Architectural Coating	0.00
Coating Worker Trips	33.51

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Time Slice 2/1/2007-3/31/2007 Active Days: 51	12,630.94
Asphalt 02/01/2007-05/31/2007	1,389.59
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	54.03
Paving Worker Trips	88.22
Building 09/11/2006-03/31/2007	11,207.84
Building Off Road Diesel	8,770.01
Building Vendor Trips	653.72
Building Worker Trips	1,784.10
Coating 09/01/2006-05/01/2007	33.51
Architectural Coating	0.00
Coating Worker Trips	33.51
Time Slice 4/2/2007-5/1/2007 Active Days: 26	1,423.10
Asphalt 02/01/2007-05/31/2007	1,389.59
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	54.03
Paving Worker Trips	88.22
Coating 09/01/2006-05/01/2007	33.51
Architectural Coating	0.00
Coating Worker Trips	33.51

Time Slice 5/2/2007-5/31/2007 Active Days: 26	1,389.59
Asphalt 02/01/2007-05/31/2007	1,389.59
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	54.03
Paving Worker Trips	88.22

Phase Assumptions

Phase: Fine Grading 8/1/2006 - 9/1/2006 - Default Fine Site Grading Description

Total Acres Disturbed: 10.88

Maximum Daily Acreage Disturbed: 2.72

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

5 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

5 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Mass Grading 6/1/2006 - 8/1/2006 - Type Your Description Here

Total Acres Disturbed: 10.88

Maximum Daily Acreage Disturbed: 2.72

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

5 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

5 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

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Phase: Paving 2/1/2007 - 5/31/2007 - Default Paving Description

Acres to be Paved: 2.72

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

Phase: Building Construction 9/11/2006 - 3/31/2007 - Default Building Construction Description

Off-Road Equipment:

5 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

11 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

5 Rough Terrain Forklifts (93 hp) operating at a 0.6 load factor for 8 hours per day

Phase: Architectural Coating 9/1/2006 - 5/1/2007 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

CO2

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Time Slice 6/1/2006-7/31/2006 Active Days: 52	6,397.79
Mass Grading 06/01/2006-08/01/2006	6,397.79
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	6,103.61
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	294.18
Time Slice 8/1/2006-8/1/2006 Active Days: 1	12,795.58
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Mass Grading 06/01/2006-08/01/2006	6,397.79
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	6,103.61
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	294.18

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Time Slice 8/2/2006-8/31/2006 Active Days: 26	6,397.79
Fine Grading 08/01/2006-09/01/2006	6,397.79
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Fine Grading Worker Trips	294.18
Time Slice 9/1/2006-9/1/2006 Active Days: 1	6,431.31
Coating 09/01/2006-05/01/2007	33.52
Architectural Coating	0.00
Coating Worker Trips	33.52
Fine Grading 08/01/2006-09/01/2006	6,397.79
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	6,103.61
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	294.18
Time Slice 9/2/2006-9/9/2006 Active Days: 7	33.52
Coating 09/01/2006-05/01/2007	33.52
Architectural Coating	0.00
Coating Worker Trips	33.52

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Time Slice 9/11/2006-12/30/2006 Active Days: 96	11,242.00
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Building Worker Trips	1,784.88
Coating 09/01/2006-05/01/2007	33.52
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Coating Worker Trips	33.52
Time Slice 1/1/2007-1/31/2007 Active Days: 27	11,241.35
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Building Off Road Diesel	8,770.01
Building Vendor Trips	653.72
Building Worker Trips	1,784.10
Coating 09/01/2006-05/01/2007	33.51
Architectural Coating	0.00
Coating Worker Trips	33.51

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Time Slice 2/1/2007-3/31/2007 Active Days: 51	12,630.94
Asphalt 02/01/2007-05/31/2007	1,389.59
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	54.03
Paving Worker Trips	88.22
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Building Off Road Diesel	8,770.01
Building Vendor Trips	653.72
Building Worker Trips	1,784.10
Coating 09/01/2006-05/01/2007	33.51
Architectural Coating	0.00
Coating Worker Trips	33.51
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Asphalt 02/01/2007-05/31/2007	1,389.59
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	54.03
Paving Worker Trips	88.22
Coating 09/01/2006-05/01/2007	33.51
Architectural Coating	0.00
Coating Worker Trips	33.51

Time Slice 5/2/2007-5/31/2007 Active Days: 26	1,389.59
Asphalt 02/01/2007-05/31/2007	1,389.59
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	54.03
Paving Worker Trips	88.22

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 8/1/2006 - 9/1/2006 - Default Fine Site Grading Description

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Replace ground cover in disturbed areas quickly mitigation reduces emissions by:

PM10: 5% PM25: 5%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

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NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Mass Grading 6/1/2006 - 8/1/2006 - Type Your Description Here

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Replace ground cover in disturbed areas quickly mitigation reduces emissions by:

PM10: 5% PM25: 5%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

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The following mitigation measures apply to Phase: Paving 2/1/2007 - 5/31/2007 - Default Paving Description

For Pavers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Pavers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Pavers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rollers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rollers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rollers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Building Construction 9/11/2006 - 3/31/2007 - Default Building Construction Description

For Concrete/Industrial Saws, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Concrete/Industrial Saws, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Concrete/Industrial Saws, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Other General Industrial Equipment, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Other General Industrial Equipment, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Other General Industrial Equipment, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rough Terrain Forklifts, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rough Terrain Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rough Terrain Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Architectural Coating 9/1/2006 - 5/1/2007 - Default Architectural Coating Description

For Residential Architectural Coating Measures, the Residential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Residential Architectural Coating Measures, the Residential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	CO2
Natural Gas	2,749.20
Hearth - No Summer Emissions	
Landscape	10.99
Consumer Products	
Architectural Coatings	
TOTALS (lbs/day, unmitigated)	2,760.19

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Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

Source	CO2
Natural Gas	2,199.36
Hearth - No Summer Emissions	
Landscape	10.99
Consumer Products	
Architectural Coatings	
TOTALS (lbs/day, mitigated)	2,210.35

Area Source Mitigation Measures Selected

Mitigation Description	Percent Reduction
Residential Increase Energy Efficiency Beyond Title 24	20.00
Commercial Increase Energy Efficiency Beyond Title 24	20.00
Industrial Increase Energy Efficiency Beyond Title 24	20.00

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	CO2
High turnover (sit-down) rest.	6,325.18
Fast food rest. w/ drive thru	12,152.48
Free-standing discount superstore	54,251.59
Discount club	36,865.94
TOTALS (lbs/day, unmitigated)	109,595.19

Operational Settings:

Includes correction for passby trips

Includes the following double counting adjustment for internal trips:

Residential Trip % Reduction: 0.00 Nonresidential Trip % Reduction: 0.00

Analysis Year: 2008 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
High turnover (sit-down) rest.		127.22	1000 sq ft	9.00	1,144.98	5,813.98
Fast food rest. w/ drive thru		496.12	1000 sq ft	3.00	1,488.36	11,270.76
Free-standing discount superstore		49.21	1000 sq ft	125.00	6,151.25	50,417.49
Discount club		41.80	1000 sq ft	100.00	4,180.00	34,260.53
					12,964.59	101,762.76

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	42.4	2.4	97.1	0.5
Light Truck < 3750 lbs	12.1	5.0	87.6	7.4
Light Truck 3751-5750 lbs	21.0	1.9	97.6	0.5
Med Truck 5751-8500 lbs	11.9	1.7	98.3	0.0
Lite-Heavy Truck 8501-10,000 lbs	2.4	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	0.9	0.0	44.4	55.6
Med-Heavy Truck 14,001-33,000 lbs	1.3	7.7	15.4	76.9
Heavy-Heavy Truck 33,001-60,000 lbs	2.9	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	3.9	76.9	23.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.0	10.0	80.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.5	12.6	12.6	12.6	12.6	12.6
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
% of Trips - Commercial (by land use)						
High turnover (sit-down) rest.				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Free-standing discount superstore				2.0	1.0	97.0
Discount club				2.0	1.0	97.0

Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 12.5 miles

Home-based shop urban trip length changed from 7.3 miles to 12.6 miles

Home-based other urban trip length changed from 7.5 miles to 12.6 miles

Commercial-based commute urban trip length changed from 9.5 miles to 12.6 miles

Commercial-based non-work urban trip length changed from 7.35 miles to 12.6 miles

Commercial-based customer urban trip length changed from 7.35 miles to 12.6 miles

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Urbemis 2007 Version 9.2.2

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Northfork\Northfork GHG Alt D.urb9

Project Name: Alternative D GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (tons/year unmitigated)	113.31
2006 TOTALS (tons/year mitigated)	113.31
Percent Reduction	0.00
2007 TOTALS (tons/year unmitigated)	119.08
2007 TOTALS (tons/year mitigated)	119.08
Percent Reduction	0.00

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	38.21
TOTALS (tons/year, mitigated)	30.62
Percent Reduction	19.86

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OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	2,429.92

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (tons/year, unmitigated)	2,468.13

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

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Urbemis 2007 Version 9.2.2

Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Northfork\Northfork GHG Alt D.urb9

Project Name: Alternative D GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	CO2
2006 TOTALS (lbs/day unmitigated)	2,559.12
2006 TOTALS (lbs/day mitigated)	2,559.12
2007 TOTALS (lbs/day unmitigated)	2,622.09
2007 TOTALS (lbs/day mitigated)	2,622.09

AREA SOURCE EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	210.75
TOTALS (lbs/day, mitigated)	169.15
Percent Reduction	19.74

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OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	13,848.42

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	CO2
TOTALS (lbs/day, unmitigated)	14,059.17

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

1/17/2008 1:23:14 PM

Urbemis 2007 Version 9.2.2

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Northfork\Northfork GHG Alt D.urb9

Project Name: Alternative D GHG Emissions - Northfork Casino

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

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	CO2
Time Slice 6/1/2006-7/31/2006 Active Days: 52	1,279.56
Mass Grading 06/01/2006-08/01/2006	1,279.56
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	1,220.72
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	58.84
Time Slice 8/1/2006-8/1/2006 Active Days: 1	2,559.12
Fine Grading 08/01/2006-09/01/2006	1,279.56
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	1,220.72
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	58.84
Mass Grading 06/01/2006-08/01/2006	1,279.56
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	1,220.72
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	58.84

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Time Slice 8/2/2006-8/31/2006 Active Days: 26	1,279.56
Fine Grading 08/01/2006-09/01/2006	1,279.56
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	1,220.72
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	58.84
Time Slice 9/1/2006-9/1/2006 Active Days: 1	1,283.24
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68
Fine Grading 08/01/2006-09/01/2006	1,279.56
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	1,220.72
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	58.84
Time Slice 9/2/2006-9/9/2006 Active Days: 7	3.68
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68

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Time Slice 9/11/2006-12/30/2006 Active Days: 96	1,280.64
Building 09/11/2006-03/31/2007	1,276.96
Building Off Road Diesel	1,009.45
Building Vendor Trips	71.70
Building Worker Trips	195.81
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68
Time Slice 1/1/2007-1/31/2007 Active Days: 27	1,280.57
Building 09/11/2006-03/31/2007	1,276.89
Building Off Road Diesel	1,009.45
Building Vendor Trips	71.72
Building Worker Trips	195.72
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68

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Time Slice 2/1/2007-3/31/2007 Active Days: 51	2,622.09
Asphalt 02/01/2007-05/31/2007	1,341.52
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	5.96
Paving Worker Trips	88.22
Building 09/11/2006-03/31/2007	1,276.89
Building Off Road Diesel	1,009.45
Building Vendor Trips	71.72
Building Worker Trips	195.72
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68
Time Slice 4/2/2007-5/1/2007 Active Days: 26	1,345.20
Asphalt 02/01/2007-05/31/2007	1,341.52
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	5.96
Paving Worker Trips	88.22
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68

Time Slice 5/2/2007-5/31/2007 Active Days: 26	1,341.52
Asphalt 02/01/2007-05/31/2007	1,341.52
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	5.96
Paving Worker Trips	88.22

Phase Assumptions

Phase: Fine Grading 8/1/2006 - 9/1/2006 - Default Fine Site Grading Description

Total Acres Disturbed: 1.19

Maximum Daily Acreage Disturbed: 0.3

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Mass Grading 6/1/2006 - 8/1/2006 - Type Your Description Here

Total Acres Disturbed: 1.19

Maximum Daily Acreage Disturbed: 0.3

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

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Phase: Paving 2/1/2007 - 5/31/2007 - Default Paving Description

Acres to be Paved: 0.3

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

Phase: Building Construction 9/11/2006 - 3/31/2007 - Default Building Construction Description

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

1 Rough Terrain Forklifts (93 hp) operating at a 0.6 load factor for 8 hours per day

Phase: Architectural Coating 9/1/2006 - 5/1/2007 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

CO2

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Time Slice 6/1/2006-7/31/2006 Active Days: 52	1,279.56
Mass Grading 06/01/2006-08/01/2006	1,279.56
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	1,220.72
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	58.84
Time Slice 8/1/2006-8/1/2006 Active Days: 1	2,559.12
Fine Grading 08/01/2006-09/01/2006	1,279.56
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	1,220.72
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	58.84
Mass Grading 06/01/2006-08/01/2006	1,279.56
Mass Grading Dust	0.00
Mass Grading Off Road Diesel	1,220.72
Mass Grading On Road Diesel	0.00
Mass Grading Worker Trips	58.84

Time Slice 8/2/2006-8/31/2006 Active Days: 26	1,279.56
Fine Grading 08/01/2006-09/01/2006	1,279.56
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	1,220.72
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	58.84
Time Slice 9/1/2006-9/1/2006 Active Days: 1	1,283.24
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68
Fine Grading 08/01/2006-09/01/2006	1,279.56
Fine Grading Dust	0.00
Fine Grading Off Road Diesel	1,220.72
Fine Grading On Road Diesel	0.00
Fine Grading Worker Trips	58.84
Time Slice 9/2/2006-9/9/2006 Active Days: 7	3.68
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68

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Time Slice 9/11/2006-12/30/2006 Active Days: 96	1,280.64
Building 09/11/2006-03/31/2007	1,276.96
Building Off Road Diesel	1,009.45
Building Vendor Trips	71.70
Building Worker Trips	195.81
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68
Time Slice 1/1/2007-1/31/2007 Active Days: 27	1,280.57
Building 09/11/2006-03/31/2007	1,276.89
Building Off Road Diesel	1,009.45
Building Vendor Trips	71.72
Building Worker Trips	195.72
Coating 09/01/2006-05/01/2007	3.68
Architectural Coating	0.00
Coating Worker Trips	3.68

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Time Slice 2/1/2007-3/31/2007 Active Days: 51	2,622.09
Asphalt 02/01/2007-05/31/2007	1,341.52
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	5.96
Paving Worker Trips	88.22
Building 09/11/2006-03/31/2007	1,276.89
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Building Worker Trips	195.72
Coating 09/01/2006-05/01/2007	3.68
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Time Slice 4/2/2007-5/1/2007 Active Days: 26	1,345.20
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Architectural Coating	0.00
Coating Worker Trips	3.68

Time Slice 5/2/2007-5/31/2007	1,341.52
Active Days: 26	
Asphalt 02/01/2007-05/31/2007	1,341.52
Paving Off-Gas	0.00
Paving Off Road Diesel	1,247.34
Paving On Road Diesel	5.96
Paving Worker Trips	88.22

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 8/1/2006 - 9/1/2006 - Default Fine Site Grading Description

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Replace ground cover in disturbed areas quickly mitigation reduces emissions by:

PM10: 5% PM25: 5%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Mass Grading 6/1/2006 - 8/1/2006 - Type Your Description Here

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Replace ground cover in disturbed areas quickly mitigation reduces emissions by:

PM10: 5% PM25: 5%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

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The following mitigation measures apply to Phase: Paving 2/1/2007 - 5/31/2007 - Default Paving Description

For Pavers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Pavers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Pavers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rollers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rollers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rollers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Building Construction 9/11/2006 - 3/31/2007 - Default Building Construction Description

For Concrete/Industrial Saws, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Concrete/Industrial Saws, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Concrete/Industrial Saws, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Other General Industrial Equipment, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Other General Industrial Equipment, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Other General Industrial Equipment, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rough Terrain Forklifts, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 15% PM10: 50% PM25: 50%

For Rough Terrain Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rough Terrain Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Architectural Coating 9/1/2006 - 5/1/2007 - Default Architectural Coating Description

For Residential Architectural Coating Measures, the Residential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Residential Architectural Coating Measures, the Residential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	CO2
Natural Gas	208.00
Hearth - No Summer Emissions	
Landscape	2.75
Consumer Products	
Architectural Coatings	
TOTALS (lbs/day, unmitigated)	210.75

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Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

Source	CO2
Natural Gas	166.40
Hearth - No Summer Emissions	
Landscape	2.75
Consumer Products	
Architectural Coatings	
TOTALS (lbs/day, mitigated)	169.15

Area Source Mitigation Measures Selected

Mitigation Description	Percent Reduction
Residential Increase Energy Efficiency Beyond Title 24	20.00
Commercial Increase Energy Efficiency Beyond Title 24	20.00
Industrial Increase Energy Efficiency Beyond Title 24	20.00

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	CO2
Casino	13,848.42
TOTALS (lbs/day, unmitigated)	13,848.42

Operational Settings:

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Includes correction for passby trips

Includes the following double counting adjustment for internal trips:

Residential Trip % Reduction: 0.00 Nonresidential Trip % Reduction: 0.00

Analysis Year: 2008 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Casino		43.80	1000 sq ft	26.00	1,138.80	12,928.34
					1,138.80	12,928.34

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	42.4	2.4	97.1	0.5
Light Truck < 3750 lbs	12.1	5.0	87.6	7.4
Light Truck 3751-5750 lbs	21.0	1.9	97.6	0.5
Med Truck 5751-8500 lbs	11.9	1.7	98.3	0.0
Lite-Heavy Truck 8501-10,000 lbs	2.4	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	0.9	0.0	44.4	55.6
Med-Heavy Truck 14,001-33,000 lbs	1.3	7.7	15.4	76.9
Heavy-Heavy Truck 33,001-60,000 lbs	2.9	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	3.9	76.9	23.1	0.0
School Bus	0.1	0.0	0.0	100.0

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motor Home	1.0	10.0	80.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.5	12.6	12.6	12.6	12.6	12.6
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Casino				2.0	1.0	97.0

Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 12.5 miles

Home-based shop urban trip length changed from 7.3 miles to 12.6 miles

Home-based other urban trip length changed from 7.5 miles to 12.6 miles

Commercial-based commute urban trip length changed from 9.5 miles to 12.6 miles

Commercial-based non-work urban trip length changed from 7.35 miles to 12.6 miles

Commercial-based customer urban trip length changed from 7.35 miles to 12.6 miles