APPENDIX B AIR QUALITY CALCULATIONS

Study Created: Report Date: Study Pathname: Wed May 07 14:09:09 2014 Thu May 08 13:45:59 2014 K:\Projects\80850102\_Snowbird\_EA\Air\_Analysis\OSB\_NAA\OSB\_NAA.edm

#### Study Setup

Unit System: Dispersion Modeling: Speciated Hydrocarbon Modeling: Analysis Years: English Dispersion is not enabled for this study Speciated Hydrocarbon Modeling is not enabled for this study 2013

#### Scenarios

Scenario Name:	Description:	Update and Implement Total Force Training to Include FMS Aircraft (Preferred Alternative)
Alt 1	Aircraft Times in Mode Basis:	Performance-Based
	Taxi Time Modeling:	User-specified Taxi Times
	FOA3 Sulfur-to-Sulfate Conversion Rate:	2.40000 %
Scenario Name:	Description:	Update and Implement Total Force Training with Limited FMS Aircraft
Alt 2	Aircraft Times in Mode Basis:	Performance-Based
	Taxi Time Modeling:	User-specified Taxi Times
	FOA3 Sulfur-to-Sulfate Conversion Rate:	2.40000 %
Scenario Name:	Description:	Continuation of Total Force Training at 2009 Levels (No Action Alternative)
Baseline	Aircraft Times in Mode Basis:	Performance-Based
	Taxi Time Modeling:	User-specified Taxi Times
	FOA3 Sulfur-to-Sulfate Conversion Rate:	2.400000 %

#### Airports

-	
Airport Name:	Davis Monthan A F B
IATA Code:	DMA
ICAO Code:	KDMA
FAA Code:	
Country:	US
State:	Arizona
City:	Tucson
Airport Description:	Davis Monthan AFB
Latitude:	32.166°
Longitude:	-110.883°
Northing:	3558893.53
Easting	511017.69
UTM Zone:	12
Elevation:	2704.00 feet
PM Modeling Methodology:	FOA3a (Sulfur-to-Sulfate Conversion Rate = 5.0%, Fuel Sulfur Content = 0.068%)

### Scenario-Airport: Alt 1, Davis Monthan A F B

Weather		Alt 1, Davis Monthan A F
Mixing Height:	3000.00 feet	
Temperature:	68.00 °F	
Daily High Temperature:	78.35 °F	
Daily Low Temperature:	57.65 °F	
Pressure:	29.92 inches of Hg	
Sea Level Pressure:	29.89 inches of Hg	
Relative Humidity:	33.22	
Wind Speed:	6.81 knots	
Wind Direction:	0.00 °	
Ceiling:	99999.99 feet	
Visibility:	50.00 miles	
The user has used a	nual averages.	
Base Elevation:	2704.00 feet	
Date Range:	Thursday, January 01, 2004 to Friday, December 31, 2004	
Source Data File Location:		
Upper Air Data File Location:		
Quarter-Hourly (	Dperational Profiles	Alt 1, Davis Monthan A F

Quarter-Hour Weight Quarter-Hour Weight (

Weight

12:00am to 12:14 am	1.000000	6:00am to 6:14am	1.000000	12:00pm to 12:14 pm	1.000000	6:00pm to 6:14pm	1.000000
12:15am to 12:29 am	1.000000	6:15am to 6:29am	1.000000	12:15pm to 12:29 pm	1.000000	6:15pm to 6:29pm	1.000000
12:30am to 12:44 am	1.000000	6:30am to 6:44am	1.000000	12:30pm to 12:44 pm	1.000000	6:30pm to 6:44pm	1.000000
12:45am to 12:59 am	1.000000	6:45am to 6:59am	1.000000	12:45pm to 12:59 pm	1.000000	6:45pm to 6:59pm	1.000000
1:00am to 1:14am	1.000000	7:00am to 7:14am	1.000000	1:00pm to 1:14pm	1.000000	7:00pm to 7:14pm	1.000000
1:15am to 1:29am	1.000000	7:15am to 7:29am	1.000000	1:15pm to 1:29pm	1.000000	7:15pm to 7:29pm	1.000000
1:30am to 1:44am	1.000000	7:30am to 7:44am	1.000000	1:30pm to 1:44pm	1.000000	7:30pm to 7:44pm	1.000000
1:45am to 1:59am	1.000000	7:45am to 7:59am	1.000000	1:45pm to 1:59pm	1.000000	7:45pm to 7:59pm	1.000000
2:00am to 2:14am	1.000000	8:00am to 8:14am	1.000000	2:00pm to 2:14pm	1.000000	8:00pm to 8:14pm	1.000000
2:15am to 2:29am	1.000000	8:15am to 8:29am	1.000000	2:15pm to 2:29pm	1.000000	8:15pm to 8:29pm	1.000000
2:30am to 2:44am	1.000000	8:30am to 8:44am	1.000000	2:30pm to 2:44pm	1.000000	8:30pm to 8:44pm	1.000000
2:45am to 2:59am	1.000000	8:45am to 8:59am	1.000000	2:45pm to 2:59pm	1.000000	8:45pm to 8:59pm	1.000000
3:00am to 3:14am	1.000000	9:00am to 9:14am	1.000000	3:00pm to 3:14pm	1.000000	9:00pm to 9:14pm	1.000000
3:15am to 3:29am	1.000000	9:15am to 9:29am	1.000000	3:15pm to 3:29pm	1.000000	9:15pm to 9:29pm	1.000000
3:30am to 3:44am	1.000000	9:30am to 9:44am	1.000000	3:30pm to 3:44pm	1.000000	9:30pm to 9:44pm	1.000000
3:45am to 3:59am	1.000000	9:45am to 9:59am	1.000000	3:45pm to 3:59pm	1.000000	9:45pm to 9:59pm	1.000000
4:00am to 4:14am	1.000000	10:00am to 10:14am	1.000000	4:00pm to 4:14pm	1.000000	10:00pm to 10:14pm	1.000000
4:15am to 4:29am	1.000000	10:15am to 10:29am	1.000000	4:15pm to 4:29pm	1.000000	10:15pm to 10:29pm	1.000000
4:30am to 4:44am	1.000000	10:30am to 10:44am	1.000000	4:30pm to 4:44pm	1.000000	10:30pm to 10:44pm	1.000000
4:45am to 4:59am	1.000000	10:45am to 10:59am	1.000000	4:45pm to 4:59pm	1.000000	10:45pm to 10:59pm	1.000000
5:00am to 5:14am	1.000000	11:00am to 11:14am	1.000000	5:00pm to 5:14pm	1.000000	11:00pm to 11:14pm	1.000000
5:15am to 5:29am	1.000000	11:15am to 11:29am	1.000000	5:15pm to 5:29pm	1.000000	11:15pm to 11:29pm	1.000000
5:30am to 5:44am	1.000000	11:30am to 11:44am	1.000000	5:30pm to 5:44pm	1.000000	11:30pm to 11:44pm	1.000000
5:45am to 5:59am	1.000000	11:45am to 11:59am	1.000000	5:45pm to 5:59pm	1.000000	11:45pm to 11:59pm	1.000000

Daily Operation	nal Profiles			Alt 1, Davis Monthan A F B
Name: DEFAULT				
Day	Weight	Day	Weight	
Monday	1.000000	Friday	1.000000	
Tuesday	1.000000	Saturday	1.000000	
Wednesday	1.000000	Sunday	1.000000	
Thursday	1.000000			

Monthly Ope	rational Profiles			Alt 1, Davis Monthan A F B
Name: DEFAUL	Г			
Month	Weight	Month	Weight	
January	1.000000	July	1.000000	
February	1.000000	August	1.000000	
March	1.000000	September	1.000000	
April	1.000000	October	1.000000	
Мау	1.000000	November	1.000000	
June	1.000000	December	1.000000	

Aircraft						Alt 1, Da	vis Monthan A F B
Default Taxi Out Time: Default Taxi In Time: <u>Year:</u> 2013	19.000000 min 7.000000 min <u>Uses Schedule?</u> No	<u>Schedule Filename:</u> (None)					
Aircraft Name: Boeing F-15 Eagle Engine Type: F100-PW-220 (w/AB) Identification: F-15 Category: LMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time APU Arrival OP Time: Gate Assignment:	11340.00 Kgs 9525.00 Kgs 3.00° None 13.00 min 13.00 min None					
	Assigned GSE/AGE: Cart (Taylor Dunn)	FUEL Diesel	Arrival Op Time (mins) 5.00	Departure Op Time (mins) 5.00	Horsepower (hp) 25.00	Load Factor (%) 50.00	Manufactured Year

	Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
	Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
	Other (Generic)	Diesel	0.00	0.00	140.00	50.00	
Year:	Annual Departures:		54				
2013	Annual Arrivals:		54				
	Annual TGOs:		0				
	Taxi Out Time:		Determined by Sequen	0			
	Taxi In Time:		Determined by Sequen	ncing model			
	Departure Quarter-Hourly Ope	-					
	Departure Daily Operational P		DEFAULT				
	Departure Monthly Operationa Arrival Quarter-Hourly Operati		DEFAULT DEFAULT				
	Arrival Daily Operational Profil		DEFAULT				
	Arrival Monthly Operational Pr		DEFAULT				
	Touch & Go Quarter-Hourly O		DEFAULT				
	profile:	D CI					
	Touch & Go Daily Operational Touch & Go Monthly Operation		DEFAULT DEFAULT				
Aircraft Name: Boeing F/A-18 Hornet	Take Off weight:	11340.00 Kg					
Engine Type:	Approach Weight:	9525.00 Kgs	3				
F404-GE-400 Identification:	Glide Slope:	3.00°					
F/A-18E/F	APU Assignment: APU Departure OP Time:	None 13.00 min					
Category:	APU Arrival OP Time:	13.00 min					
LMJA	Gate Assignment:	None					
	Assigned GSE/AGE:	FUEL	Arrival Op Time	Departure Op	Horsepower	Load Factor	Manufactured
			(mins)	Time (mins)	(hp)	(%)	Year
	Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
	Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
	Lift (Generic) Other (Generic)	Diesel Diesel	5.00 0.00	5.00 0.00	115.00 140.00	50.00 50.00	
		Diesei	0.00	0.00	140.00	50.00	
Year: 2013	Annual Departures:		110				
2013	Annual Arrivals:		110				
	Annual TGOs:		0 Determined by Conver				
	Taxi Out Time: Taxi In Time:		Determined by Sequen Determined by Sequen	-			
	Departure Quarter-Hourly Ope	erational profile:	DEFAULT				
	Departure Daily Operational P	-	DEFAULT				
	Departure Monthly Operationa		DEFAULT				
	Arrival Quarter-Hourly Operati		DEFAULT				
	Arrival Daily Operational Profil	e:	DEFAULT				
	Arrival Monthly Operational Pr		DEFAULT				
	Touch & Go Quarter-Hourly O profile:	perational	DEFAULT				
	Touch & Go Daily Operational	Profile:	DEFAULT				
	Touch & Go Monthly Operation		DEFAULT				
Aircraft Name: Fairchild A-10A Thunderbolt II	Take Off weight:	23587.00 Kg	5				
Engine Type:	Approach Weight:	18144.00 Kg	js				
	Glide Slope:	3.00°					
TF34-GE-100-100A	APU Assignment:	None					
TF34-GE-100-100A Identification: A-10		12 00!					
TF34-GE-100-100A Identification: A-10 Category:	APU Departure OP Time:	13.00 min 13.00 min					
TF34-GE-100-100A Identification: A-10 Category:		13.00 min 13.00 min None					
TF34-GE-100-100A Identification:	APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	13.00 min None	Arrival On Time	Departure Op	Horeanower	Load Easter	Manufactured
TF34-GE-100-100A Identification: A-10 Category:	APU Departure OP Time: APU Arrival OP Time:	13.00 min	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year

	Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
	Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
	Other (Generic)	Diesel	0.00	0.00	140.00	50.00	
Year: 2013	Annual Departures:		490				
2013	Annual Arrivals:		490				
	Annual TGOs:		0 Determined by Oreners	-line and all			
	Taxi Out Time:		Determined by Sequen				
	Taxi In Time:		Determined by Sequen	icing model			
	Departure Quarter-Hourly Op	erational profile:	DEFAULT				
	Departure Daily Operational F	Profile:	DEFAULT				
	Departure Monthly Operation	al Profile:	DEFAULT				
	Arrival Quarter-Hourly Operat	tional profile:	DEFAULT				
	Arrival Daily Operational Profi	ile:	DEFAULT				
	Arrival Monthly Operational P	rofile:	DEFAULT				
	Touch & Go Quarter-Hourly C	Operational	DEFAULT				
	profile:						
	Touch & Go Daily Operationa		DEFAULT				
	Touch & Go Monthly Operation	onal Profile:	DEFAULT				
Aircraft Name: Lockheed C-130 Hercules	Take Off weight:	59874.00 Kg	gs				
Engine Type:	Approach Weight:	55111.00 Kg	gs				
T56-A-15	Glide Slope:	3.00°					
Identification: C-130H/J	APU Assignment:	None					
Category:	APU Departure OP Time:	13.00 min					
LMTC	APU Arrival OP Time:	13.00 min					
	Gate Assignment:	None					
			Arrival Op Time	Departure Op	Horsepower	Load Factor	Manufactured
	Assigned GSE/AGE:	FUEL	(mins)	Time (mins)	(hp)	(%)	Year
	Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
	Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
	Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
	Other (Generic)	Diesel	0.00	0.00	140.00	50.00	
Year: 2013	Annual Departures:		95				
2013	Annual Arrivals:		95				
	Annual TGOs:		0				
	Taxi Out Time:		Determined by Sequen				
	Taxi In Time:		Determined by Sequen	icing model			
	Departure Quarter-Hourly Op	erational profile:	DEFAULT				
	Departure Daily Operational F	Profile:	DEFAULT				
	Departure Monthly Operation	al Profile:	DEFAULT				
	Arrival Quarter-Hourly Operat		DEFAULT				
	Arrival Daily Operational Profi		DEFAULT				
	Arrival Monthly Operational P		DEFAULT				
	Touch & Go Quarter-Hourly C		DEFAULT				
	profile:						
	Touch & Go Daily Operationa		DEFAULT				
	Touch & Go Monthly Operation	onal Profile:	DEFAULT				
Aircraft Name:	Take Off weight:	11340.00 Kg	gs				
Lockheed Martin F-16 Fighting Falcon	Approach Weight:	9525.00 Kgs					
Engine Type: F100-PW-200 (w/AB)	Glide Slope:	3.00°					
dentification:	APU Assignment:	None					
F-16		13.00 min					
F-16 Category:	APU Departure OP Time: APU Arrival OP Time:	13.00 min 13.00 min					
F-16 Category:	APU Departure OP Time:						
F-16 Category:	APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	13.00 min None	Anni vol Ore Time -	Donorture Or	Horosser	Lond Foster	Monufactured
F-16 Category:	APU Departure OP Time: APU Arrival OP Time:	13.00 min	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor	Manufactured Year
F-16 Category: SMJA	APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	13.00 min None	Arrival Op Time (mins) 5.00	Departure Op Time (mins) 5.00	Horsepower (hp) 25.00	Load Factor (%) 50.00	

	Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
	Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
	Other (Generic)	Diesel	0.00	0.00	140.00	50.00	
Year:			1400				
2013	Annual Departures: Annual Arrivals:		1136 1136				
	Annual TGOs:		0				
	Taxi Out Time:		Determined by Sequer	ncina model			
	Taxi In Time:		Determined by Sequer	-			
	Departure Quarter-Hourly Op Departure Daily Operational		DEFAULT DEFAULT				
	Departure Monthly Operation		DEFAULT				
	Arrival Quarter-Hourly Opera		DEFAULT				
	Arrival Daily Operational Prof		DEFAULT				
	Arrival Monthly Operational F		DEFAULT				
	Touch & Go Quarter-Hourly (		DEFAULT				
	profile: Touch & Go Daily Operationa	al Profile <sup>.</sup>	DEFAULT				
	Touch & Go Monthly Operation		DEFAULT				
Aircraft Name:	Take Off weight:	11340.00 Kg	IS				
Lockheed Martin F-16 Fighting Falcon Engine Type:	Approach Weight:	9525.00 Kgs	i				
F100-PW-200 (w/AB)	Glide Slope:	3.00°					
Identification: F-16 equivalents	APU Assignment:	None					
Category:	APU Departure OP Time:	13.00 min					
SMJA	APU Arrival OP Time:	13.00 min					
	Gate Assignment:	None					
	Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
	Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
	Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
	Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
	Other (Generic)	Diesel	0.00	0.00	140.00	50.00	
Year:	Annual Departures:		366				
2013	Annual Arrivals:		366				
	Annual TGOs:		0				
	Taxi Out Time:		Determined by Sequer	ncing model			
	Taxi In Time:		Determined by Sequer	ncing model			
	Departure Quarter-Hourly Op	erational profile:	DEFAULT				
	Departure Daily Operational	Profile:	DEFAULT				
	Departure Monthly Operation		DEFAULT				
	Arrival Quarter-Hourly Opera	-	DEFAULT				
	Arrival Daily Operational Prof		DEFAULT				
	Arrival Monthly Operational F		DEFAULT				
	Touch & Go Quarter-Hourly ( profile:	Operational	DEFAULT				
	Touch & Go Daily Operationa	al Profile <sup>.</sup>	DEFAULT				
	Touch & Go Monthly Operation		DEFAULT				
Aircraft Name: Sikorsky CH-53E Super Stallion	Take Off weight:	16783.00 Kg	IS				
Engine Type:	Approach Weight:	16783.00 Kg	S				
T64-GE-100	Glide Slope:	3.00°					
Identification: HH-60	APU Assignment:	None					
Category:	APU Departure OP Time:	13.00 min					
LMTH	APU Arrival OP Time:	13.00 min					
	Gate Assignment:	None					
	Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year

Annual Departures:	75
Annual Arrivals:	75
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model
Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

GSE Population				Alt 1, Dav	ris Monthan A F
	Type: Air Conditioner		Fuel: Electric	Ref. Model:	Identification: #1
	Rated Power: Load Factor:		75.00 hp 75.00%		
		a the default are distribution, and has not abasen			
	Analysis Year:	e the default age distribution, and has not chosen	2013		
	Year of Manufacture:		N/A		
	Age:		N/A		
	Gate:		Percent		
Year:	Population:	2 units			
2013	Yealry Operating Time:	1000.00 hours			
	Quarter-Hourly Operational profile:	DEFAULT			
	Daily Operational profile:	DEFAULT			
	Monthly Operational Profile:				
	Туре:		Fuel:	Ref. Model:	Identification:
	Aircraft Tractor		Gasoline		#1
	Rated Power:		617.00 hp		
	Load Factor:		80.00%		
		e the default age distribution, and has not chosen			
	Analysis Year:		2013		
	Year of Manufacture:		N/A		
	Age:		N/A		
	Gate:		Percent		
Year:	Population:	1 units			
2013	Yealry Operating Time:	300.00 hours			
	Quarter-Hourly Operational profile:	DEFAULT			
	Daily Operational profile:	DEFAULT			
	Monthly Operational Profile:	DEFAULT			
	Туре:		Fuel:	Ref. Model: Dukes	Identification:
	Fuel Truck		Gasoline	Transportatio Services / DART 8000 t 10,000 gallor	#1 o
	Rated Power:		300.00 hp		
	Load Factor:		25.00%		

	The user has selected to use	e the default age di	stribution, and has			
	Analysis Year: Year of Manufacture:			2013 N/A		
	Age:			N/A N/A		
	Gate:			Percent		
Year:	Population:	6 units				
2013	Yealry Operating Time:	150.00 hours				
	Quarter-Hourly Operational profile:	DEFAULT				
	Daily Operational profile: Monthly Operational Profile:	DEFAULT DEFAULT				
				Fuel:	Ref. Model:	Identification:
	Type: Ground Power Unit			Gasoline	TLD	#1
	Rated Power:			75.00 hp		
	Load Factor: The user has selected to use	o the default are di	stribution and bas	75.00%		
	Analysis Year:	e the deladit age di	stribution, and has	2013		
	Year of Manufacture:			N/A		
	Age:			N/A		
	Gate:			Percent		
Year: 2013	Population:	3 units				
2010	Yealry Operating Time:	1000.00 hours				
	Quarter-Hourly Operational profile:	DEFAULT				
	Daily Operational profile:	DEFAULT				
	Monthly Operational Profile:	DEFAULT				
Parking Facilities					Alt 1, Da	avis Monthan A F B
<sub>None.</sub> Roadways					Alt 1, Da	avis Monthan A F B
Roadway Name: Roadway	Vehicle Type: Fuel:	Default Fleet Mix Gasoline	(all types, fuels & a	ges)		
	Manufactured Year:	0				
	Average Speed:	45 mph				
	Roadway Length: Release Height:	20.00 miles				
	Width:	65.62 feet				
	Point:	X (feet)	Y (feet)	Elevation (feet)		
	1	0.00	0.00	0		
	2	328.08	0.00	0		
Year: 2013	Traffic Volume:	0				
	Quarter-Hourly Operational profile:	DEFAULT				
	Daily Operational profile:	DEFAULT				
	Monthly Operational Profile:	DEFAULT				
	The user has NOT edited the		n factors:			
	CO (g/veh):	7.025				
	THC (g/veh):	-1				
	NMHC (g/veh): VOC (g/veh):	0.495 0.501				
	NOX (g/veh):	0.874				
	SOX (g/veh):	0.0089				
	PM-10 (g/veh):	0.0355				
	PM-25 (g/veh):	0.0201				
	TOG (g/yeb):					

TOG (g/veh):

 BENZENE (g/veh):
 0.015607

 MTBE (g/veh):
 0

 1,3-BUTA (g/veh):
 0.002122

 FORMALDEHYDE (g/veh):
 0.005603

 ACETALDEHYDE (g/veh):
 0.004042

 ACROLEIN (g/veh):
 0.00243

#### **Stationary Sources**

Stationary Source Name: Stationary Category: **Boiler/Space Heater Boiler/Space Heater** Stationary Type: Bituminous Coal: Pulverized, Dry Bottom, Wall Fired, Pre-NSPS This stationary source is modeled as a point Elevation: 2704.00 feet 65.62 feet Release Height: Gas Velocity: 15.00 m/s Temperature: 400.00 °F CO EI : 0.2500Kg/Metric Ton TNMOC EI : 0.0300Kg/Metric Ton NOx EI : 11.0000Kg/Metric Ton SOx EI : 19.0000Kg/Metric Ton -1.1500Kg/Metric Ton - 0X1.4D9300P-PM-10 EI : 880sh Fuel Sulfur Content : 2.16 % Fuel Ash Content : 11.12 % CO Pollution Control Factor : 0.00 % **TNMOC Pollution Control Factor:** 0.00 % NOx Pollution Control Factor : 0.00 % SOx Pollution Control Factor : 0.00 % PM-10 Pollution Control Factor: 0.00 % Point: Y (feet) X (feet) 1 0.00 0.00 Year: Metric Tons Used 2 2013 Quarter-Hourly Operational DEFAULT profile: Daily Operational profile: DEFAULT Monthly Operational Profile: DEFAULT The user has NOT edited the emission factors. Stationary Source Name: Stationary Category: Aircraft Engine Testing Engine Test Engine of My Aircraft Stationary Type: This stationary source is modeled as a point Elevation: 2704.00 feet Release Height: 65.62 feet 15.00 m/s Gas Velocity: Temperature: 400.00 °F Time at 30Power : 0.000000minutes/cycle Time at 85Power : 0.000000minutes/cycle Time at 100Power : 0.000000minutes/cycle Time at 7Power : 0.000000minutes/cycle Point: X (feet) Y (feet) 0.00 0.00 1 Year: **Test Cycles** 12 2013 Quarter-Hourly Operational DEFAULT profile: DEFAULT Daily Operational profile: Monthly Operational Profile: DEFAULT The user has edited the emission factors. Stationary Source Name: Stationary Category: Fuel Tank Fuel Tank Stationary Type: Horizontal: Jet Naphtha (JP-4)

Alt 1, Davis Monthan A F B

	This stationary source is mo Elevation: Release Height: Gas Velocity: Temperature: Shell Length : Shell Diameter : Point: 1	deled as a p	point 2704.00 feet 65.62 feet 15.00 m/s 400.00 °F 0.000000meters 0.000000meters X (feet) 0.00	Y (feet) 0.00		
Year: 2013	Kiloliters Used Quarter-Hourly Operational profile: Daily Operational profile: Monthly Operational Profile:	450 DEFAULT DEFAULT DEFAULT				
	The user has edited the emi	ssion factor	s.			
Training Fires						Alt 1, Davis Monthan A F B
None.						
Gates						Alt 1, Davis Monthan A F B
None.						
Taxiways						Alt 1, Davis Monthan A F B
None.						
Runways						Alt 1, Davis Monthan A F B
Runway Name: 1	Name: 1	X (feet) 0.00	Y (feet) 0.00	Elevation (feet) 2704.00	Glide Slope (' 3.00	)
Runway Name: 19	Name: 19	X (feet) 0.00	Y (feet) 0.00	Elevation (feet) 2704.00	Glide Slope (' 3.00	)
Taxipaths						Alt 1, Davis Monthan A F B
None.						
Configurations						Alt 1, Davis Monthan A F B
Buildings						Alt 1, Davis Monthan A F B
None.						
Discrete Cartesian Receptors						Alt 1, Davis Monthan A F B
None. Discrete Polar Receptors						Alt 1, Davis Monthan A F B
None. Cartesian Receptor Networks						Alt 1, Davis Monthan A F B
None.						
Polar Receptor Networks						Alt 1, Davis Monthan A F B
None.						
User-Created Aircraft						Alt 1, Davis Monthan A F B
None.						
User-Created GSE						Alt 1, Davis Monthan A F B
None.						
User-Created APU						Alt 1, Davis Monthan A F B

## Scenario-Airport: Alt 2, Davis Monthan A F B

#### Weather

Mixing Height:	3000.00 feet
Temperature:	68.00 °F
Daily High Temperature:	78.35 °F
Daily Low Temperature:	57.65 °F
Pressure:	29.92 inches of Hg
Sea Level Pressure:	29.89 inches of Hg
Relative Humidity:	33.22
Wind Speed:	6.81 knots
Wind Direction:	0.00 °
Ceiling:	99999.99 feet
Visibility:	50.00 miles
The user has used ar	nnual averages.
Base Elevation:	2704.00 feet
Date Range:	Thursday, January 01, 2004 to Friday, December 31, 2004
Source Data File Location:	
Upper Air Data File Location:	

#### **Quarter-Hourly Operational Profiles**

Name: DEFAULT							
Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight
12:00am to 12:14 am	1.000000	6:00am to 6:14am	1.000000	12:00pm to 12:14 pm	1.000000	6:00pm to 6:14pm	1.000000
12:15am to 12:29 am	1.000000	6:15am to 6:29am	1.000000	12:15pm to 12:29 pm	1.000000	6:15pm to 6:29pm	1.000000
12:30am to 12:44 am	1.000000	6:30am to 6:44am	1.000000	12:30pm to 12:44 pm	1.000000	6:30pm to 6:44pm	1.000000
12:45am to 12:59 am	1.000000	6:45am to 6:59am	1.000000	12:45pm to 12:59 pm	1.000000	6:45pm to 6:59pm	1.000000
1:00am to 1:14am	1.000000	7:00am to 7:14am	1.000000	1:00pm to 1:14pm	1.000000	7:00pm to 7:14pm	1.000000
1:15am to 1:29am	1.000000	7:15am to 7:29am	1.000000	1:15pm to 1:29pm	1.000000	7:15pm to 7:29pm	1.000000
1:30am to 1:44am	1.000000	7:30am to 7:44am	1.000000	1:30pm to 1:44pm	1.000000	7:30pm to 7:44pm	1.000000
1:45am to 1:59am	1.000000	7:45am to 7:59am	1.000000	1:45pm to 1:59pm	1.000000	7:45pm to 7:59pm	1.000000
2:00am to 2:14am	1.000000	8:00am to 8:14am	1.000000	2:00pm to 2:14pm	1.000000	8:00pm to 8:14pm	1.000000
2:15am to 2:29am	1.000000	8:15am to 8:29am	1.000000	2:15pm to 2:29pm	1.000000	8:15pm to 8:29pm	1.000000
2:30am to 2:44am	1.000000	8:30am to 8:44am	1.000000	2:30pm to 2:44pm	1.000000	8:30pm to 8:44pm	1.000000
2:45am to 2:59am	1.000000	8:45am to 8:59am	1.000000	2:45pm to 2:59pm	1.000000	8:45pm to 8:59pm	1.000000
3:00am to 3:14am	1.000000	9:00am to 9:14am	1.000000	3:00pm to 3:14pm	1.000000	9:00pm to 9:14pm	1.000000
3:15am to 3:29am	1.000000	9:15am to 9:29am	1.000000	3:15pm to 3:29pm	1.000000	9:15pm to 9:29pm	1.000000
3:30am to 3:44am	1.000000	9:30am to 9:44am	1.000000	3:30pm to 3:44pm	1.000000	9:30pm to 9:44pm	1.000000
3:45am to 3:59am	1.000000	9:45am to 9:59am	1.000000	3:45pm to 3:59pm	1.000000	9:45pm to 9:59pm	1.000000
4:00am to 4:14am	1.000000	10:00am to 10:14am	1.000000	4:00pm to 4:14pm	1.000000	10:00pm to 10:14pm	1.000000
4:15am to 4:29am	1.000000	10:15am to 10:29am	1.000000	4:15pm to 4:29pm	1.000000	10:15pm to 10:29pm	1.000000
4:30am to 4:44am	1.000000	10:30am to 10:44am	1.000000	4:30pm to 4:44pm	1.000000	10:30pm to 10:44pm	1.000000
4:45am to 4:59am	1.000000	10:45am to 10:59am	1.000000	4:45pm to 4:59pm	1.000000	10:45pm to 10:59pm	1.000000
5:00am to 5:14am	1.000000	11:00am to 11:14am	1.000000	5:00pm to 5:14pm	1.000000	11:00pm to 11:14pm	1.000000
5:15am to 5:29am	1.000000	11:15am to 11:29am	1.000000	5:15pm to 5:29pm	1.000000	11:15pm to 11:29pm	1.000000
5:30am to 5:44am	1.000000	11:30am to 11:44am	1.000000	5:30pm to 5:44pm	1.000000	11:30pm to 11:44pm	1.000000
5:45am to 5:59am	1.000000	11:45am to 11:59am	1.000000	5:45pm to 5:59pm	1.000000	11:45pm to 11:59pm	1.000000

Daily Operati	onal Profiles			Alt 2, Davis Monthan A F E
Name: DEFAULT				
Day	Weight	Day	Weight	
Monday	1.000000	Friday	1.000000	
Tuesday	1.000000	Saturday	1.000000	
Wednesday	1.000000	Sunday	1.000000	
Thursday	1.000000			
,				

Name: DEFAULT Month Weight

Monthly Operational Profiles

Alt 2, Davis Monthan A F B

Alt 2, Davis Monthan A F B

Alt 2, Davis Monthan A F B

January	1.000000	July	1.000000
February	1.000000	August	1.000000
March	1.000000	September	1.000000
April	1.000000	October	1.000000
May	1.000000	November	1.000000
June	1.000000	December	1.000000

Aircraft						Alt 2, Da	vis Monthan A I
Default Taxi Out Time: Default Taxi In Time: <u>Year:</u> 2013	19.000000 min 7.000000 min <u>Uses Schedule?</u> No	<u>Schedule Filename:</u> (None)					
Aircraft Name: Boeing F-15 Eagle Engine Type: F100-PW-220 (w/AB) Identification: F-15 Category: LMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	11340.00 Kg 9525.00 Kgs 3.00° None e: 13.00 min 13.00 min None					
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufacture Year
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time:		54 54 0 Determined by Sequer Determined by Sequer	-			
	Departure Quarter-Hourd Departure Daily Operation Departure Monthly Opera Arrival Quarter-Hourly O Arrival Daily Operational Arrival Monthly Operation Touch & Go Quarter-Hou profile: Touch & Go Daily Opera Touch & Go Monthly Op	onal Profile: ational Profile: perational profile: Profile: nal Profile: urly Operational ational Profile:	DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT				
Aircraft Name: Boeing F/A-18 Hornet Engine Type: 404-GE-400 dentification: F/A-18E/F Category: MJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time APU Arrival OP Time: Gate Assignment:	11340.00 Kg 9525.00 Kgs 3.00° None e: 13.00 min 13.00 min None					
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufacture Year
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs:		110 110 0				

	Taxi Out Time: Taxi In Time:		Determined by Sequen Determined by Sequen				
	Departure Quarter-Hourly Op Departure Daily Operational F Departure Monthly Operational Arrival Quarter-Hourly Operat Arrival Daily Operational Profi Arrival Monthly Operational P Touch & Go Quarter-Hourly O profile: Touch & Go Daily Operationa Touch & Go Monthly Operationa	Profile: al Profile: iional profile: ile: rofile: Dperational Il Profile:	DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT				
Aircraft Name: Fairchild A-10A Thunderbolt II Engine Type: TF34-GE-100-100A Identification: A-10 Category: LMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	23587.00 Kg 18144.00 Kg 3.00° None 13.00 min 13.00 min None					
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufactured Year
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time:		490 490 0 Determined by Sequen Determined by Sequen				
	Departure Quarter-Hourly Op Departure Daily Operational F Departure Monthly Operation Arrival Quarter-Hourly Operat Arrival Daily Operational Profi Arrival Monthly Operational P Touch & Go Quarter-Hourly O profile: Touch & Go Daily Operationa Touch & Go Monthly Operation	Profile: al Profile: tional profile: ile: rofile: Dperational I Profile:	DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT				
Aircraft Name: Lockheed C-130 Hercules Engine Type: T56-A-15 Identification: C-130 Category: LMTC	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	59874.00 Kg 55111.00 Kg 3.00° None 13.00 min 13.00 min None					
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufactured Year
Year: 2013	Annual Departures: Annual Arrivals:		95 95				

Annual Arrivals: Annual TGOs:

95

0

	Taxi Out Time: Taxi In Time:		Determined by Sequen Determined by Sequen				
	Departure Quarter-Hourly Op Departure Daily Operational F Departure Monthly Operation Arrival Quarter-Hourly Operat Arrival Daily Operational Prof Arrival Monthly Operational P Touch & Go Quarter-Hourly O	Profile: al Profile: ional profile: ile: rofile:	DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT				
	Touch & Go Daily Operationa Touch & Go Daily Operationa	l Profile:	DEFAULT DEFAULT DEFAULT				
Aircraft Name: Lockheed Martin F-16 Fighting Falcon Engine Type: F100-PW-200 (w/AB) dentification: F-16 Category: SMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	11340.00 Kg 9525.00 Kgs 3.00° None 13.00 min 13.00 min None					
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic)	FUEL Diesel Diesel	Arrival Op Time (mins) 5.00 0.00	Departure Op Time (mins) 5.00 120.00	Horsepower (hp) 25.00 158.00	Load Factor (%) 50.00 82.00	Manufactured Year
	Lift (Generic) Other (Generic)	Diesel Diesel	5.00 0.00	5.00 0.00	115.00 140.00	50.00 50.00	
′ear: 013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time:		944 944 0 Determined by Sequen				
	Taxi In Time:		Determined by Sequen	cing model			
	Departure Quarter-Hourly Op Departure Daily Operational F Departure Monthly Operation Arrival Quarter-Hourly Operat Arrival Daily Operational Prof Arrival Monthly Operational P	Profile: al Profile: ional profile: ile:	DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT				
	Touch & Go Quarter-Hourly C profile:	Operational	DEFAULT				
	Touch & Go Daily Operationa Touch & Go Monthly Operation		DEFAULT DEFAULT				
Aircraft Name: Lockheed Martin F-16 Fighting Falcon Engine Type: 100-PW-200 (w/AB) dentification: F-16 equivalents Category: SMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	11340.00 Kg 9525.00 Kgs 3.00° None 13.00 min 13.00 min None					
	Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
	Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	Diesel Diesel Diesel Diesel	5.00 0.00 5.00 0.00	5.00 120.00 5.00 0.00	25.00 158.00 115.00 140.00	50.00 82.00 50.00 50.00	
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs:		366 366 0				

0

Annual TGOs:

	Taxi Out Time: Taxi In Time:		Determined by Sequen Determined by Sequen	-			
	Departure Quarter-Hourly Op Departure Daily Operational Departure Monthly Operation Arrival Quarter-Hourly Opera Arrival Daily Operational Pro	Profile: nal Profile: ational profile:	DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT				
			DEFAULT				
	profile:		DEFAULT				
	Touch & Go Daily Operation Touch & Go Monthly Operati		DEFAULT DEFAULT				
Aircraft Name: Sikorsky SH-60 Sea Hawk Engine Type: T700-GE-401 -401C Identification: HH-60 Category:	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time:	9185.00 Kgs 9185.00 Kgs 3.00° None 13.00 min 13.00 min					
SMTH	Gate Assignment:	None					
	Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time:		75 75 0 Determined by Sequen Determined by Sequen	-			
	Departure Quarter-Hourly Op Departure Daily Operational Departure Monthly Operation Arrival Quarter-Hourly Opera Arrival Daily Operational Pro Arrival Monthly Operational F Touch & Go Quarter-Hourly	Profile: nal Profile: titional profile: file: Profile:	DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT				
	profile: Touch & Go Daily Operation Touch & Go Monthly Operati		DEFAULT DEFAULT				
GSE Population						Alt 2, Da	vis Monthan A F
	Type: Air Conditioner			Fuel: Electric		Ref. Model:	Identification: #1
	Rated Power: Load Factor: The user has selected to use Analysis Year:	e the default age d	listribution, and has not o	75.00 hp 75.00% chosen a specific ag 2013	je.		
	Year of Manufacture:			N/A			

Year: 2013 Age:

Gate:

Population:

Yealry Operating Time:

Quarter-Hourly Operational profile:

Monthly Operational Profile: DEFAULT

Daily Operational profile:

2 units

1000.00 hours

DEFAULT

DEFAULT

N/A

Percent

	Aircraft Tractor		Gasoline	Douglas TBL- 400	#1
	Rated Power: Load Factor:		617.00 hp 80.00%		
	The user has selected to us Analysis Year:	e the default age distribution, and has not chosen	a specific age. 2013		
	Year of Manufacture:		N/A		
	Age:		N/A		
	Gate:		Percent		
	Population:	1 units			
	Yealry Operating Time:	300.00 hours			
	Quarter-Hourly Operational profile:	DEFAULT			
	Daily Operational profile:	DEFAULT			
	Monthly Operational Profile:	DEFAULT			
	Туре:		Fuel:	Ref. Model: Dukes Transportation	Identification
	Fuel Truck		Gasoline		#1
	Rated Power:		300.00 hp		
	Load Factor:	a the default are distribution, and has not absence	25.00%		
	Analysis Year:	e the default age distribution, and has not chosen	a specific age. 2013		
	Year of Manufacture:		N/A		
	Age:		N/A		
	Gate:		Percent		
	Population:	6 units			
	Yealry Operating Time:	150.00 hours			
	Quarter-Hourly Operational	DEFAULT			
	profile: Daily Operational profile:	DEFAULT			
	Monthly Operational Profile:				
	Туре:		Fuel:	Ref. Model:	Identification:
	Ground Power Unit		Gasoline	TLD	#1
	Rated Power:		75.00 hp		
	Load Factor:		75.00%		
	The user has selected to us Analysis Year:	e the default age distribution, and has not chosen	a specific age. 2013		
	Year of Manufacture:		N/A		
	Age:		N/A		
	Gate:		Percent		
	Population:	3 units			
	Yealry Operating Time:	1000.00 hours			
	Quarter-Hourly Operational profile:	DEFAULT			
	Daily Operational profile:	DEFAULT			
	Monthly Operational Profile:	DEFAULT			
s				Alt 2, Davis	Monthan A F
					Monthan A F
				AIL Z, DAVIS	

Year: 2013

Year: 2013

Year: 2013

Parking Faciliti

None.

Roadways

Roadway Name:

Roadway
---------

Year: 2013

Vehicle Type: Fuel:	Default Fleet Miz Gasoline	x (all types, fuels & a	ges)	
Manufactured Year:	2013			
Average Speed:	45 mph			
Roadway Length:	20.00 miles			
Release Height:				
Width:	65.62 feet			
Point:	X (feet)	Y (feet)	Elevation (feet)	
1	0.00	0.00	0	
2	328.08	0.00	0	
Traffic Volume:	0			
Quarter-Hourly Operational profile:	DEFAULT			
Daily Operational profile:	DEFAULT			
Monthly Operational Profile:	DEFAULT			
NMHC (g/veh): VOC (g/veh): NOX (g/veh): SOX (g/veh): PM-10 (g/veh): PM-25 (g/veh): TOG (g/veh): BENZENE (g/veh): MTBE (g/veh): 1,3-BUTA (g/veh): FORMALDEHYDE (g/veh): ACETALDEHYDE (g/veh):	0 0 0 0 0 0 0 0 0 0 0			
ACROLEIN (g/veh):	0			
				Alt 2, Davis Monthan A F
Stationary Category: Stationary Type:		r/Space Heater hinous Coal: Pulveriz	ed, Dry Bottom, Wall Fired, Pre-N	SPS

-	-
Stationary	Sourcoo
Stationary	Sources

Stationary Source Name:	Stationary Category:	Boiler/Space Heater				
Boiler/Space Heater	Stationary Type:	Bituminous Coal: Pulverized, Dry Botto	m, Wall Fired, Pre-NSPS			
	This stationary source is modeled as a point					
	Elevation:	2704.00 feet				
	Release Height:	65.62 feet				
	Gas Velocity:	15.00 m/s				
	Temperature:	400.00 °F				
	CO EI :	0.250000Kg/Metric Ton				
	TNMOC EI :	0.030000Kg/Metric Ton				
	NOx EI :	11.000000Kg/Metric Ton				
	SOx EI :	19.000000Kg/Metric Ton -				
	PM-10 EI :	1.150000Kg/Metric Ton - 0X1.4D9300P-880sh				
	Fuel Sulfur Content :	2.160000 %				
	Fuel Ash Content :	11.120000 %				
	CO Pollution Control Factor :	0.000000 %				
	TNMOC Pollution Control Factor:	0.000000 %				
	NOx Pollution Control Factor :	0.000000 %				
	SOx Pollution Control Factor :	0.000000 %				
	PM-10 Pollution Control Factor:	0.000000 %				
	Point:	X (feet)	Y (feet)			
	1	0.00	0.00			
Year:						
2013	Metric Tons Used 2					
	Quarter-Hourly Operational DEFAU profile:	JLT				
	Daily Operational profile: DEFAL	JLT				

Monthly Operational Profile: DEFAULT

The user has NOT edited the emission factors.

Stationary Source Name: Engine Testing	Stationary Category: Stationary Type:		ircraft Engine Testing					
	This stationary source is	modeled as a no	int					
	Elevation:	-	704.00 feet					
	Release Height:		5.62 feet					
	Gas Velocity:		5.00 m/s					
	Temperature:		00.00 °F					
	Time at 30Power :							
	Time at 85Power :		.000000minutes/cycle .000000minutes/cycle					
	Time at 100Power :		-					
			.000000minutes/cycle					
	Time at 7Power :		.000000minutes/cycle	N/ (5 - 1)				
	Point: 1		(feet) .00	Y (feet) 0.00				
Year: 2013	Test Cycles	12						
	Quarter-Hourly Operational DEFAULT							
	profile: DEFAULT Daily Operational profile: DEFAULT							
	Monthly Operational Prof							
	The user has edited the e	emission factors.						
Stationary Source Name:	Stationary Category:	F	uel Tank					
Fuel Tank	Stationary Type:		lorizontal: Jet Naphtha	(JP-4)				
	This stationary source is modeled as a point							
	Elevation:		704.00 feet					
	Release Height:	6	5.62 feet					
	Gas Velocity:		5.00 m/s					
	Temperature:		00.00 °F					
	Shell Length :		.000000meters					
	Shell Diameter :		.000000meters					
	Point:		(feet)	Y (feet)				
	1		.00	0.00				
Year:	Kiloliters Used	450						
2013	Quarter-Hourly Operation							
	profile:	DEFAULT						
	Daily Operational profile:	DEFAULT						
	Monthly Operational Prof							
	The user has edited the e	emission factors.						
Training Fires					A	lt 2, Davis Monthan A F E		
None.								
Gates					А	It 2, Davis Monthan A F E		
None.								
Taxiways					A	lt 2, Davis Monthan A F E		
<sub>None.</sub> Runways					Δ	It 2, Davis Monthan A F E		
Runway Name:	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)			
1	1	0.00	0.00	2704.00	3.00			
Runway Name:	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)			

Taxipaths

None.

Configurations	Alt 2, Davis Monthan A F B
None.	
Buildings	Alt 2, Davis Monthan A F B
None.	
Discrete Cartesian Receptors	Alt 2, Davis Monthan A F B
None.	
Discrete Polar Receptors	Alt 2, Davis Monthan A F B
None.	
Cartesian Receptor Networks	Alt 2, Davis Monthan A F B
None.	
Polar Receptor Networks	Alt 2, Davis Monthan A F B
None.	
User-Created Aircraft	Alt 2, Davis Monthan A F B
None.	
User-Created GSE	Alt 2, Davis Monthan A F B
None.	
User-Created APU	Alt 2, Davis Monthan A F B
None.	

## Scenario-Airport: Baseline, Davis Monthan A F B

Weather		Baseline, Davis Monthan A F B
Mixing Height:	3000.00 feet	
Temperature:	68.00 °F	
Daily High Temperature:	78.35 °F	
Daily Low Temperature:	57.65 °F	
Pressure:	29.92 inches of Hg	
Sea Level Pressure:	29.89 inches of Hg	
Relative Humidity:	33.22	
Wind Speed:	6.81 knots	
Wind Direction:	0.00 °	
Ceiling:	99999.99 feet	
Visibility:	50.00 miles	
The user has used ar	nual averages.	
Base Elevation:	2704.00 feet	
Date Range:	Thursday, January 01, 2004 to Friday, December 31, 2004	
Source Data File Location:		
Upper Air Data File Location:		

### Quarter-Hourly Operational Profiles

Name: DEFAULT							
Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight
12:00am to 12:14 am	1.000000	6:00am to 6:14am	1.000000	12:00pm to 12:14 pm	1.000000	6:00pm to 6:14pm	1.000000
12:15am to 12:29 am	1.000000	6:15am to 6:29am	1.000000	12:15pm to 12:29 pm	1.000000	6:15pm to 6:29pm	1.000000
12:30am to 12:44 am	1.000000	6:30am to 6:44am	1.000000	12:30pm to 12:44 pm	1.000000	6:30pm to 6:44pm	1.000000
12:45am to 12:59 am	1.000000	6:45am to 6:59am	1.000000	12:45pm to 12:59 pm	1.000000	6:45pm to 6:59pm	1.000000
1:00am to 1:14am	1.000000	7:00am to 7:14am	1.000000	1:00pm to 1:14pm	1.000000	7:00pm to 7:14pm	1.000000
1:15am to 1:29am	1.000000	7:15am to 7:29am	1.000000	1:15pm to 1:29pm	1.000000	7:15pm to 7:29pm	1.000000
1:30am to 1:44am	1.000000	7:30am to 7:44am	1.000000	1:30pm to 1:44pm	1.000000	7:30pm to 7:44pm	1.000000
1:45am to 1:59am	1.000000	7:45am to 7:59am	1.000000	1:45pm to 1:59pm	1.000000	7:45pm to 7:59pm	1.000000
2:00am to 2:14am	1.000000	8:00am to 8:14am	1.000000	2:00pm to 2:14pm	1.000000	8:00pm to 8:14pm	1.000000
2:15am to 2:29am	1.000000	8:15am to 8:29am	1.000000	2:15pm to 2:29pm	1.000000	8:15pm to 8:29pm	1.000000
2:30am to 2:44am	1.000000	8:30am to 8:44am	1.000000	2:30pm to 2:44pm	1.000000	8:30pm to 8:44pm	1.000000

Baseline, Davis Monthan A F B

2:45am to 2:59am	1.000000	8:45am to 8:59am	1.000000	2:45pm to 2:59pm	1.000000	8:45pm to 8:59pm	1.000000
3:00am to 3:14am	1.000000	9:00am to 9:14am	1.000000	3:00pm to 3:14pm	1.000000	9:00pm to 9:14pm	1.000000
3:15am to 3:29am	1.000000	9:15am to 9:29am	1.000000	3:15pm to 3:29pm	1.000000	9:15pm to 9:29pm	1.000000
3:30am to 3:44am	1.000000	9:30am to 9:44am	1.000000	3:30pm to 3:44pm	1.000000	9:30pm to 9:44pm	1.000000
3:45am to 3:59am	1.000000	9:45am to 9:59am	1.000000	3:45pm to 3:59pm	1.000000	9:45pm to 9:59pm	1.000000
4:00am to 4:14am	1.000000	10:00am to 10:14am	1.000000	4:00pm to 4:14pm	1.000000	10:00pm to 10:14pm	1.000000
4:15am to 4:29am	1.000000	10:15am to 10:29am	1.000000	4:15pm to 4:29pm	1.000000	10:15pm to 10:29pm	1.000000
4:30am to 4:44am	1.000000	10:30am to 10:44am	1.000000	4:30pm to 4:44pm	1.000000	10:30pm to 10:44pm	1.000000
4:45am to 4:59am	1.000000	10:45am to 10:59am	1.000000	4:45pm to 4:59pm	1.000000	10:45pm to 10:59pm	1.000000
5:00am to 5:14am	1.000000	11:00am to 11:14am	1.000000	5:00pm to 5:14pm	1.000000	11:00pm to 11:14pm	1.000000
5:15am to 5:29am	1.000000	11:15am to 11:29am	1.000000	5:15pm to 5:29pm	1.000000	11:15pm to 11:29pm	1.000000
5:30am to 5:44am	1.000000	11:30am to 11:44am	1.000000	5:30pm to 5:44pm	1.000000	11:30pm to 11:44pm	1.000000
5:45am to 5:59am	1.000000	11:45am to 11:59am	1.000000	5:45pm to 5:59pm	1.000000	11:45pm to 11:59pm	1.000000

Daily Operation	onal Profiles	Baseline, Davis Monthan A F B		
Name: DEFAULT				
Day	Weight	Day	Weight	
Monday	1.000000	Friday	1.000000	
Tuesday	1.000000	Saturday	1.000000	
Wednesday	1.000000	Sunday	1.000000	
Thursday	1.000000			

### Monthly Operational Profiles

Monthly Ope	rational Profiles			Baseline, Davis Monthan A F B
Name: DEFAUL	Г			
Month	Weight	Month	Weight	
January	1.000000	July	1.000000	
February	1.000000	August	1.000000	
March	1.000000	September	1.000000	
April	1.000000	October	1.000000	
Мау	1.000000	November	1.000000	
June	1.000000	December	1.000000	

Aircraft						Baseline, Da	vis Monthan A F
Default Taxi Out Time: Default Taxi In Time: <u>Year:</u>	19.000000 min 7.000000 min Uses Schedule?	Schedule Filename:					
2013		None)					
Aircraft Name: Boeing F-15 Eagle Engine Type: F100-PW-220 (w/AB) Identification: F-15 Category: LMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	11340.00 Kgs 9525.00 Kgs 3.00° None 13.00 min 13.00 min None					
	Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufacture Year
	Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
	Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
	Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
	Other (Generic)	Diesel	0.00	0.00	140.00	50.00	
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time:			•			

Departure Quarter-Hourly Operational profile: DEFAULT DEFAULT Departure Daily Operational Profile:

Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name: Boeing F/A-18 Hornet Engine Type: F404-GE-400 Identification: F/A-18E/F Category: LMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	11340.00 Kg 9525.00 Kgs 3.00° None 13.00 min 13.00 min None							
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufactured Year		
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time:		67 67 0 Determined by Sequen Determined by Sequen	-					
	Departure Daily Operational F Departure Monthly Operation Arrival Quarter-Hourly Operat Arrival Daily Operational Prof Arrival Monthly Operational P Touch & Go Quarter-Hourly O profile: Touch & Go Daily Operational	Departure Quarter-Hourly Operational profile: Departure Daily Operational Profile: Departure Monthly Operational Profile: Arrival Quarter-Hourly Operational profile: Arrival Daily Operational Profile: Arrival Monthly Operational Profile: Touch & Go Quarter-Hourly Operational profile: Touch & Go Daily Operational Profile: Touch & Go Monthly Operational Profile:		ile: DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT					
Aircraft Name: Fairchild A-10A Thunderbolt II Engine Type: TF34-GE-100-100A Identification: A-10C Category: LMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	23587.00 Kg 18144.00 Kg 3.00° None 13.00 min 13.00 min None							
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufactured Year		
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time: Departure Quarter-Hourly Op		297 297 0 Determined by Sequen Determined by Sequen	-					

Departure Quarter-Hourly Operational profile:DEFAULTDeparture Daily Operational Profile:DEFAULT

Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name: Lockheed C-130 Hercules Engine Type: T56-A-15 Identification: C-130 Category: LMTC	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	59874.00 Kg 55111.00 Kg 3.00° None 13.00 min 13.00 min None					
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufactured Year
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time:		57 57 0 Determined by Sequen Determined by Sequen	-			
	Departure Daily Operational Profile: Departure Monthly Operational Profile: Arrival Quarter-Hourly Operational profile: Arrival Daily Operational Profile: Arrival Monthly Operational Profile: Touch & Go Quarter-Hourly Operational profile: Touch & Go Daily Operational Profile:		DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT				
Aircraft Name: Lockheed Martin F-16 Fighting Falcon Engine Type: F100-PW-200 (w/AB) Identification: F-16 Category: SMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	11340.00 Kg 9525.00 Kgs 3.00° None 13.00 min 13.00 min None					
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufactured Year
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time: Departure Quarter-Hourly Op		688 688 0 Determined by Sequen Determined by Sequen				

Departure Quarter-Hourly Operational profile:DEFAULTDeparture Daily Operational Profile:DEFAULT

Arrival C	re Monthly Operational Profile: Quarter-Hourly Operational profile:	DEFAULT DEFAULT	
Arrival N	Daily Operational Profile: Monthly Operational Profile:	DEFAULT DEFAULT	
profile:	Go Quarter-Hourly Operational	DEFAULT	
	Go Monthly Operational Profile:	DEFAULT	

Aircraft Name: Lockheed Martin F-16 Fighting Falcon Engine Type: F100-PW-200 (w/AB) Identification: F-16 equivalents Category: SMJA	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	11340.00 Kg 9525.00 Kgs 3.00° None 13.00 min 13.00 min None							
	Assigned GSE/AGE: Cart (Taylor Dunn) Generator (Generic) Lift (Generic) Other (Generic)	FUEL Diesel Diesel Diesel Diesel	Arrival Op Time (mins) 5.00 0.00 5.00 0.00	Departure Op Time (mins) 5.00 120.00 5.00 0.00	Horsepower (hp) 25.00 158.00 115.00 140.00	Load Factor (%) 50.00 82.00 50.00 50.00	Manufactured Year		
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time:		221 221 0 Determined by Sequer Determined by Sequer	•					
	Departure Quarter-Hourly Operational profile: Departure Daily Operational Profile: Departure Monthly Operational Profile: Arrival Quarter-Hourly Operational profile: Arrival Daily Operational Profile: Arrival Monthly Operational Profile: Touch & Go Quarter-Hourly Operational profile: Touch & Go Daily Operational Profile:		E DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT						
	Touch & Go Monthly Operati		DEFAULT						
Aircraft Name: Sikorsky SH-60 Sea Hawk Engine Type: T700-GE-401 -401C Identification: HH-60 Category: SMTH	Take Off weight: Approach Weight: Glide Slope: APU Assignment: APU Departure OP Time: APU Arrival OP Time: Gate Assignment:	9185.00 Kgs 9185.00 Kgs 3.00° None 13.00 min 13.00 min None							
	Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year		
Year: 2013	Annual Departures: Annual Arrivals: Annual TGOs: Taxi Out Time: Taxi In Time:		45 45 0 Determined by Sequer Determined by Sequer	0					
	Departure Quarter-Hourly Operational profile: Departure Daily Operational Profile: Departure Monthly Operational Profile: Arrival Quarter-Hourly Operational profile: Arrival Daily Operational Profile: Arrival Monthly Operational Profile:		DEFAULT DEFAULT DEFAULT DEFAULT DEFAULT						

DEFAULT

Arrival Monthly Operational Profile:

Touch & Go Quarter-Hourly Operational profile:	DEFAU
Touch & Go Daily Operational Profile:	DEFAUI
Touch & Go Monthly Operational Profile:	DEFAUI

JLT JLT JLT

GSE Population				Baseline, Davis	s Monthan A F
	Туре:		Fuel:	Ref. Model:	Identification
	Air Conditioner		Electric		#1
	Rated Power:		75.00 hp		
	Load Factor:		75.00%		
		se the default age distribution, and has not chosen			
	Analysis Year:		2013		
	Year of Manufacture:		N/A		
	Age:		N/A		
	Gate:		Percent		
Year	Deputation	0 unite			
	Population: Yealry Operating Time:	2 units 1000.00 hours			
	Quarter-Hourly Operationa				
	profile:	DEFAULT			
	Daily Operational profile:	DEFAULT			
GSE Population         Year:         2013	Monthly Operational Profile	e: DEFAULT			
	Туре:		Fuel:	Ref. Model:	Identification
	Aircraft Tractor			Douglas TBL- 400	
			Gasoline	400	#1
	Rated Power:		617.00 hp		
	Load Factor:		80.00%		
		se the default age distribution, and has not chosen	a specific age.		
	Analysis Year:		2013		
	Year of Manufacture:		N/A		
	Age:		N/A		
	Gate:		Percent		
	Population:	1 units			
2013	Yealry Operating Time:	300.00 hours			
	Quarter-Hourly Operationa				
	profile:	DEFAULT			
	Daily Operational profile:	DEFAULT			
2013	Monthly Operational Profile	e: DEFAULT			
	Туре:		Fuel:	Ref. Model: Dukes	Identification:
	Fuel Truck		Gasoline	Transportation Services / DART 8000 to 10,000 gallon	#1
			200.00 hr		
	Rated Power: Load Factor:		300.00 hp 25.00%		
		se the default age distribution, and has not chosen			
	Analysis Year:		2013		
	Year of Manufacture:		N/A		
	Age:		N/A		
	Gate:		Percent		
Year <sup>.</sup>	Doridation	6 unito			
	Population:	6 units			
	Yealry Operating Time:	150.00 hours			

Quarter-Hourly Operational DEFAULT

profile: Daily Operational profile: DEFAULT Monthly Operational Profile: DEFAULT

	BEIMOET				
Туре:			Fuel:	Ref. Model:	Identification:
Ground Power Unit			Gasoline	TLD	#1
Rated Power:			75.00 hp		
Load Factor:			75.00%		
The user has selected to use	e the default age dis	stribution, and has	not chosen a specific age.		
Analysis Year:	Ũ		2013		
Year of Manufacture:			N/A		
Age:			N/A		
Gate:			Percent		
Population:	3 units				
Yealry Operating Time:	1000.00 hours				
Quarter-Hourly Operational profile:	DEFAULT				
Daily Operational profile:	DEFAULT				
Monthly Operational Profile:	DEFAULT				
				Baseline, Dav	vis Monthan A F
				Baseline, Da	vis Monthan A F
Vehicle Type: Fuel:	Default Fleet Mix ( Gasoline	all types, fuels & a	ges)		
Manufactured Year:	2013				
Average Speed:	45 mph				
Roadway Length:	20.00 miles				
Release Height:	20.00 miles				
	65.62 feet				
Point:		V (fact)	Elevation (fact)		
	X (feet)	Y (feet)	Elevation (feet)		
1	0.00	0.00	0		
2	328.08	0.00	0		
Traffic Volume:	0				
Quarter-Hourly Operational profile:	DEFAULT				
Daily Operational profile: Monthly Operational Profile:	DEFAULT				
The user has NOT edited the		factors:			
CO (g/veh):	7.025				
THC (g/veh):	-1				
NMHC (g/veh):	0.495				
VOC (g/veh):	0.501				
NOX (g/veh):	0.874				
SOX (g/veh):	0.0089				
PM-10 (g/veh):	0.0355				
PM-25 (g/veh):	0.0201				
TOG (g/veh):					
BENZENE (g/veh):	0.015607				
MTBE (g/veh):	0				
	0.000400				

**Parking Facilities** 

#### None.

Year: 2013

Roadways

Roadway Name: Roadway

Year: 2013

**Stationary Sources** 

Stationary Source Name: Boiler/Space Heater

1,3-BUTA (g/veh):

ACROLEIN (g/veh):

FORMALDEHYDE (g/veh):

ACETALDEHYDE (g/veh):

0.002122

0.005603

0.004042

0.000243

Baseline, Davis Monthan A F B

	Stationary Type:	Bituminous Coal: Pulverized, Dry E	Bottom, Wall Fired, Pre-NSPS			
	This stationary source is modeled as	a point				
	Elevation:	2704.00 feet				
	Release Height:	65.62 feet				
	Gas Velocity:	15.00 m/s				
	Temperature:	400.00 °F				
	CO EI :	0.250000Kg/Metric Ton				
	TNMOC EI :	0.030000Kg/Metric Ton				
	NOX EI :	11.000000Kg/Metric Ton				
	SOx EI :	19.000000Kg/Metric Ton -				
	PM-10 EI :	1.150000Kg/Metric Ton - 0X1.4D9300P-880sh				
	Fuel Sulfur Content :	2.160000 %				
	Fuel Ash Content :	11.120000 %				
	CO Pollution Control Factor :	0.000000 %				
	TNMOC Pollution Control Factor:	0.000000 %				
	NOx Pollution Control Factor :	0.000000 %				
	SOx Pollution Control Factor :	0.000000 %				
	PM-10 Pollution Control Factor:	0.000000 %				
			V (fact)			
	Point:	X (feet)	Y (feet)			
	1	0.00	0.00			
Year: 2013	Metric Tons Used 2 Quarter-Hourly Operational profile: DEFAU Daily Operational profile: DEFAU Monthly Operational Profile: DEFAU	LT				
	The user has NOT edited the emission	on factors.				
Stationary Source Name: Engine Test	Stationary Category:	Aircraft Engine Testing				
5	Stationary Type:	Engine of My Aircraft				
	This stationary source is modeled as	a point				
	Elevation:	2704.00 feet				
	Release Height:	65.62 feet				
	Gas Velocity:	15.00 m/s				
	Temperature:	400.00 °F				
	Time at 30Power :	0.000000minutes/cycle				
	Time at 85Power :	0.000000minutes/cycle				
	Time at 100Power :	0.000000minutes/cycle				
	Time at 7Power :	0.000000minutes/cycle				
	Point:	X (feet)	Y (feet)			
	1	0.00	0.00			
Year: 2013	Test Cycles 12					
2010	Quarter-Hourly Operational DEFAU	LT				
	prome:					
	Daily Operational profile: DEFAU Monthly Operational Profile: DEFAU					
	The user has edited the emission factors.					
Stationary Source Name:	Stationan : Catagon u					
Fuel Tank	Stationary Category: Stationary Type:	Fuel Tank Horizontal: Jet Naphtha (JP-4)				
	This stationary source is modeled as	a point				
	Elevation:	2704.00 feet				
	Release Height:	65.62 feet				
		15.00 m/s				
	Gas Velocity:					
	Temperature:	400.00 °F				
	Shell Length :	0.000000meters				
	Shell Diameter :	0.000000meters	N (64)			
	Point:	X (feet)	Y (feet)			
	1	0.00	0.00			

Year:	Kiloliters Used	450			
2013	Quarter-Hourly Operational	DEFAULT			
	profile:				
	Daily Operational profile:	DEFAULT			
	Monthly Operational Profile:	DEFAULT			
	The user has edited the emi	ssion factors.			
Training Fires					Baseline, Davis Monthan A F B
None.					
Gates					Baseline, Davis Monthan A F B
None.					
Taxiways					Baseline, Davis Monthan A F B
None.					
Runways					Baseline, Davis Monthan A F B
Runway Name:	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)
1	1	0.00	0.00	2704.00	3.00
Runway Name:	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)
19	19	0.00	0.00	2704.00	3.00
 Taxipaths					Baseline, Davis Monthan A F B
None.					
Configurations					Baseline, Davis Monthan A F B
None.					
Buildings					Baseline, Davis Monthan A F B
None.					
Discrete Cartesian Receptors					Baseline, Davis Monthan A F B
None.					
Discrete Polar Receptors					Baseline, Davis Monthan A F B
None.					
Cartesian Receptor Networks					Baseline, Davis Monthan A F B
None.					
Polar Receptor Networks					Baseline, Davis Monthan A F B
None.					
User-Created Aircraft					Baseline, Davis Monthan A F B
None.					
User-Created GSE					Baseline, Davis Monthan A F B
None.					
User-Created APU					Baseline, Davis Monthan A F B

None.

Page 1 of 1

# Generated: 05/08/14 13:38:46 Emissions Inventory Summary (Short Tons per Year) Baseline - Davis Monthan A F B 2013

#### 410 -

	N/A
Aircraft 1,983.877 18.613 6.453 7.461 7.422 7.461 3.806 0.812 N/A	
GSE N/A 25.944 N/A 0.905 0.943 1.040 3.397 0.069 0.181	126
APUS N/A N/A N/A N/A N/A N/A N/A N/A	N/A
Parking Facilities N/A N/A N/A N/A N/A N/A N/A N/A	N/A
Roadways N/A 0.000 N/A 0.000 0.000 0.000 0.000 0.000 0.000	000
Stationary Sources 0.000 0.001 0.000 0.029 0.029 0.029 0.024 0.090 0.003	.001
Training Fires N/A N/A N/A N/A N/A N/A N/A N/A	N/A
Grand Total 1,983,877 44,557 6.453 8.395 8.394 8.530 7.227 0.972 0.133	.126

OSE

Page 1 of 1

2010-00-0

# Generated: 05/08/14 13:38:46 Emissions Inventory Summary (Short Tons per Year) Alt 1 - Davis Monthan A F B 2013

Category	CO2	CO	THC	NMHC	VOC	TOG	NOx	SOX	PM-10	PM-2.5	
Aircraft	3,294,593	32.259	11.292	13.057	12:989	13.057	6.250	1.349	N/A	N/A	
GSE	N/A	26.229	N/A	0.990	1.033	1 132	4.528	0.072	0.198	0,190	
APUs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Parking Facilities	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Roadways	NI/A	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Stationary Sources	0.000	0.001	0.000	0.029	0.029	0.029	0.024	0.090	0.003	0.001	
Training Fires	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NVA.	
Grand Total	3,294.593	58.489	11.292	14.076	14.051	14.218	10.802	1.511	0.200	0.191	

EDMS 5.1 Emissions Inventory Report

# Generated: 05/08/14 13:38:46 Emissions Inventory Summary (Short Tons per Year) Alt 2 - Davis Monthan A F B 2013

Category	CO2	CO	THC	NMHC	VOC	TOG	NOx	SOx	PM-10	PM-2.5
Aircraft	2,989.635	29.124	9.955	11.510	11.450	11.510	5,667	1.224	N/A	N/A
GSE	N/A	26.168	N/A	0.971	1.014	1.112	4.283	0.071	0.183	0.176
APUS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Parking Facilities	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roadways	NI/A	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stationary Sources	0.000	0.001	0,000	0,029	0.029	0.029	0.024	0.090	0.003	0.001
Training Fires	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grand Total	2,989,635	55,292	9,955	12 511	12.493	12.651	9,975	1.386	0.186	0.177

OSB

EDMS 5.1 Emissions Inventory Report