

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0114V3 (125.1c2)

Brief Description: Close Cannon AFB. The 27th Fighter Wing's F-16 aircraft will be distributed to the 115th Fighter Wing (ANG), Dane County Regional APT, Truax Field AGS, (3 PAA, Block 30); 114th Fighter Wing (ANG), Joe Foss Field AGS (3 PAA, Block 30); 150th Fighter Wing (ANG), Kirtland AFB, (3 PAA, Blk 30); 113th Wing (ANG), Andrews AFB (9 PAA, Blk 30); 57th Fighter Wing, Nellis AFB (7 PAA, B40) and 388th Wing, Hill AFB (6 PAA, B40), BAI (29 PAA, Blk 40/50). Singapore F-16 Block 52 squadron will move to Luke AFB, Arizona.

<u>General Environmental Impacts</u>	
Environmental Resource Area	Cannon (Closing)
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No impact
Threatened & Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	Closure of on-installation treatment works may be necessary.
Wetlands	No impact

<u>Impacts of Costs</u>	
	Cannon (Closing)
Environmental Restoration	DERA money spent through FY03 (\$K): 12,500 Estimated CTC (\$K): 1,200 DO NOT ENTER IN COBRA

	Decision makers should be aware that the closure decision contemplated in this scenario would necessitate the closure of ranges and the remediation of any munitions contaminants on the ranges. The cost and time required to remediate the ranges is uncertain and may be significant, potentially limiting near-term reuse of the range portion of the facility.
Waste Management	No impact
Environmental Compliance	FY06 NEPA cost: Scenario \$1,150K / Cumulative \$1,150K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Dane County Regional - Truax Field AGS
Air Quality	An initial conformity analysis shows that a conformity determination is not required.
Cultural/ Archeological/ Tribal Resources	Sites or areas with a high potential for archeological sites were identified.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The base cannot expand ESQD Arcs by ≥ 100 feet without a waiver, which may lower the safety of the base if operations are added.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The FAA Part 150 reflects the current mission, local land use, and current noise levels. 1,913 acres off-base within the noise contours are zoned by the local community. 546 of these acres are residentially zoned. The community has purchased easements for area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	No impact
Wetlands	Wetlands Survey may need to be conducted to determine impact. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
Dane County Regional - Truax Field AGS	

Environmental Restoration	DERA money spent through FY03 (\$K): 767 Estimated CTC (\$K): 0 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY07 Air Conformity Analysis Scenario \$50K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Joe Foss
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, and current noise levels. 164.6 acres off-base within the noise contours are zoned by the local community. Noise contours do not affect off-base residential zoning in the local community. The community has not purchased easements for area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	No impact
Wetlands	Wetlands Survey may need to be conducted to determine impact. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Joe Foss

Environmental Restoration	DERA money spent through FY03 (\$K): 3,451 Estimated CTC (\$K): 22 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 NEPA cost: Scenario \$280K / Cumulative \$281K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Kirtland
Air Quality	An initial conformity analysis shows that a conformity determination is not needed. The base is located within 100 miles of Pecos Wilderness Area, a critical air quality region. This does not restrict operations.
Cultural/ Archeological/ Tribal Resources	Sites or areas with high potential for archeological sites were identified. Twenty-three federally recognized Native American Tribes have asserted an interest in the military installation for the purposes of National Historic Preservation Act or other consultation activities. The base has two historic districts totaling 85 acres that include 18 contributing resources. There are 72 historic properties not in districts.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The FAA Part 150 reflects the current mission, local land use, and current noise levels. 490 acres off-base within the noise contours are zoned by the local community. Nine of these acres are residentially zoned. The community has purchased easements for area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	Modification of waste program may be necessary.
Water Resources	No impact

Wetlands	Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.
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<u>Impacts of Costs</u>	
Kirtland	
Environmental Restoration	DERA money spent through FY03 (\$K): 76,561 Estimated CTC (\$K): 107,350 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program: Scenario \$43K / Cumulative \$100K
Environmental Compliance	FY06 NEPA: Scenario \$42 / Cumulative \$96K FY07 Air Conformity Analysis: Scenario \$22K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Andrews
Air Quality	A preliminary conformity analysis shows that a conformity determination is not needed. The base is located within 100 miles of Shenandoah National Park, a critical air quality region. This does not restrict operations.
Cultural/ Archeological/ Tribal Resources	The scenario may impact a historic property that is not in a historic district.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The scenario may require building on constrained acreage. Electromagnetic radiation and/or emissions constrain current military installation, range, or auxiliary field operations. Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development. The base uses safety waivers and exemptions to accomplish the mission. Additional operations may compound the need for safety waivers. The base cannot expand ESQD Arcs by ≥ 100 feet without a waiver, which may lower the safety of the base if operations are added.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, and current noise levels. 8,311 acres off-base within the noise contours are zoned by the local community. 3,787 of these acres

	are residentially zoned. Indicate whether the community has purchased easements for area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	T&E species and/or critical habitats exist but don't impact operations. Additional operations may impact T&E species and/or critical habitats.
Waste Management	No impact
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
Andrews	
Environmental Restoration	DERA money spent through FY03 (\$K): 53,781 Estimated CTC (\$K): 66,007 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 NEPA cost: Scenario \$123K / Cumulative \$281K FY07 Air Conformity Analysis: Scenario \$22K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Nellis
Air Quality	A preliminary conformity analysis shows that a conformity determination may be required. A more in-depth review is required. The inability to achieve a positive conformity determination may be a constraint to this scenario. Air emission offsets may be required. The installation is located within 100 miles of the Grand Canyon, a critical air quality region. This causes no air quality restrictions. A significant air permit revision may be necessary.
Cultural/ Archeological/ Tribal Resources	Sites or areas with high potential for archeological sites were identified. The base is currently in formal consultation with 16 Native American Tribes that have asserted an interest in the military installation for the purposes of the National Historic Preservation Act or other required consultation activities. The sacred, archeological, and burial sites are local to the installation.
Dredging	No impact

Land Use Constraints/ Sensitive Resource Areas	The Desert National Wildlife Range restricts range operations ground activities above 4,000 ft MSL via MOU with US Fish and Wildlife Service. This restricts 20% of the range land. Four factors were identified at the Nevada Test and Training Range that constrain operations. Three of the operational constraints last two weeks per year, and the fourth constraint lasts one week per year. The four constraints are of the following type: Unable to complete training requirements at home installation and must go TDY. One factor was identified at Nellis that constrains operations for two weeks per year. The constraint is of the following type: Unable to complete training requirements at home installation and must go TDY. Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Noise contours will need to be re-evaluated as a result of the change in mission. The AICUZ reflects the current mission, local land use, and current noise levels. 11,920 acres off-base within the noise contours are zoned by the local community. 1,060 of these acres are residentially zoned. The community has not purchased easements for area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	T&E species and/or critical habitats already restrict operations with a Biological Opinion. Additional operations may impact T&E species and/or critical habitats. In addition, the Biological Opinion will need to be evaluated to ensure the scenario conforms to it.
Waste Management	Modification of hazardous waste program is needed.
Water Resources	No impact
Wetlands	Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Nellis
Environmental Restoration	DERA money spent through FY03 (\$K): 43,187 Estimated CTC (\$K): 29,177 DO NOT ENTER IN COBRA
Waste Management	FY07 Waste Program Modification: Scenario \$15K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$49K / Cumulative \$318K FY07 Air Conformity Analysis: Scenario \$8K / Cumulative \$50K

	FY07 Air Conformity Determination: Scenario \$15K / Cumulative \$100K FY07 Significant Air Permit Revision: Scenario \$46K / Cumulative \$300K FY07 Air Emission offsets: Scenario \$569K / Cumulative \$3,691K
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<u>General Environmental Impacts</u>	
Environmental Resource Area	Hill
Air Quality	Hill is in a maintenance area for ozone. A preliminary analysis indicates that a conformity determination may not be necessary. A significant air permit revision may be needed.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No increase in off-base noise is expected.
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	Modification of the hazardous was program may be needed.
Water Resources	No impact
Wetlands	No impact

<u>Impacts of Costs</u>	
	Hill
Environmental Restoration	DERA money spent through FY03 (\$K): 182,010 Estimated CTC (\$K): 275,408 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program: Scenario \$90K / Cumulative \$100K
Environmental Compliance	FY06 NEPA Scenario \$43K / Cumulative \$48K FY07 Conformity Analysis Scenario \$45K / Cumulative \$50K FY07 Significant Air Permit Revision: Scenario \$135K / Cumulative

	\$150K
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