

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0044V3 (142c3)

Brief Description: Close Otis ANGB, MA

<u>General Environmental Impacts</u>	
Environmental Resource Area	Otis (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 increase in off-base noise is expected.
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	No impact
Wetlands	No impact

<u>Impacts of Costs (Closing)</u>	
	Otis
Environmental Restoration	DERA money spent through FY03 (\$K): 83,453 Estimated CTC (\$K): 1,250 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 Disposal NEPA \$1.15M

<u>General Environmental Impacts</u>	
Environmental Resource Area	Jacksonville (Gaining)
Air Quality	The installation is in attainment for all pollutants. An air permit revision may be needed. The installation is located within 100 miles of Okefenokee Wilderness Area (GA), a critical air quality region. This does not restrict operations.
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. 275 acres off-base within the noise contours are zoned by the local community. 10 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 the waste program may be needed.
Water Resources	No impact
Wetlands	Wetlands Survey may need to be conducted to determine impact. Wetlands restrict 20% of the base. Wetlands already restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Jacksonville (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 2,235 Estimated CTC (\$K): 4,637 DO NOT ENTER IN COBRA
Waste Management	FY07 Waste Management Program: Scenario \$0K / Cumulative \$100K Cumulative
Environmental Compliance	FY06 NEPA: Scenario \$93K / Cumulative \$281K FY07 Air Permit Revision: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Atlantic City (Gaining)
Air Quality	An initial air conformity analysis indicated that a conformity determination is not needed. An air permit revision may be needed. The Brigantine Wilderness Area, a critical air quality region, is located within 100 miles of the installation. This does not impact operations.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The installation reported 133 unconstrained acres available for development. A sensitive resource area exists but does not restrict operations. Additional operations may impact this area and restrict operations. 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/current noise levels. 209 acres off-base within the noise contours are zoned by the local community. All of these acres are residentially zoned. The community has not purchased easements for the area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	One T&E species and 4 critical habitats exist but don't impact operations. Additional operations may impact T&E species and/or critical habitats.
Waste Management	Modification of the waste program may be necessary.
Water Resources	No impact
Wetlands	Wetlands restrict 0% of the base and 7.4% of the range. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Atlantic City (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 1285 Estimated CTC (\$K): 2167 DO NOT ENTER IN COBRA
Waste Management	FY07 Waste Program Modification: Scenario \$75K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$239K / Cumulative \$318K FY07 Air quality: Scenario \$188K / Cumulative \$250K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Bradley (Gaining)
Air Quality	Bradley is in an area designated moderate non-attainment for 8-hour Ozone. An initial conformity analysis shows that a conformity determination is not needed. 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 T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	No impact
Water Resources	Modification of hazardous waste program may be necessary.
Wetlands	No impact

<u>Impacts of Costs</u>	
	Bradley (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 1974 Estimated CTC (\$K): 4256 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY07 Significant Air Permit Revision: Scenario \$0K / Cumulative \$200K FY06 NEPA Documentation: Scenario \$48K / Cumulative \$48K FY07 Conformity Analysis: Scenario \$0K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Barnes (Gaining)
Air Quality	Barnes is in a non-attainment area for 8-hour Ozone (moderate). An initial conformity analysis shows that a conformity determination is not needed. Barnes is located within 100 miles of Lye Brooks Wilderness (in VT), a critical air quality region. This does not restrict operations.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Barnes reported 6 acres of unconstrained acreage. 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. However, this installation is located on a public-use airport, and may not be the predominant contributor of noise at the airport. The FAA Part 150 reflects the current mission and current noise levels. 314.9 acres off-base within the noise contours are zoned by the local community. 60.1 of these acres are residentially zoned. The local community has purchased easements on both developed and undeveloped land. No increase in off-base noise is expected.
Threatened & Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.

Waste Management	No impact
Water Resources	No impact
Wetlands	Wetlands restrict 7% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations. Wetlands Survey may need to be conducted to determine impact.

<u>Impacts of Costs</u>	
	Barnes (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 3840 Estimated CTC (\$K): 1267 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$281K FY07 Conformity Analysis: Scenario \$0K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Lambert (Losing)
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	No impact
Wetlands	No impact

<u>Impacts of Costs</u>	
	Lambert (Losing)
Environmental Restoration	DERA money spent through FY03 (\$K): 9839 Estimated CTC (\$K): 10662 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

<u>General Environmental Impacts</u>	
Environmental Resource Area	Nellis (Gaining)
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 (Gaining)
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 \$28K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$88K / Cumulative \$318K FY07 Air Conformity Analysis: Scenario \$14K / Cumulative \$50K FY07 Air Conformity Determination: Scenario \$28K / Cumulative \$100K FY07 Significant Air Permit Revision: Scenario \$83K / Cumulative \$300K FY07 Air Emission offsets: Scenario \$1016K / Cumulative \$3,691K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Burlington (Gaining)
Air Quality	Base is in an ozone transport region (OTR) but scenario has 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	A 3 dB general increase in the off-base noise contributed by the Air Force is expected. The FAA Part 150 reflects the current mission, local land use, and current noise levels. 1108 acres off-base within the noise contours are zoned by the local community. 173 of these acres are residentially zoned.
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	No impact
Wetlands	Wetlands restrict 0% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
Burlington (Gaining)	
Environmental Restoration	DERA money spent through FY03 (\$K): 2497 Estimated CTC (\$K): 1420 DO NOT ENTER IN COBRA

Waste Management	No impact
Environmental Compliance	No impact

<u>General Environmental Impacts</u>	
Environmental Resource Area	Scott (Gaining)
Air Quality	An initial conformity analysis indicates that a conformity determination may not be necessary. An air permit revision may be needed.
Cultural/ Archeological/ Tribal Resources	Scott AFB has a 79-acre historic district that may be impacted by future development.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The base uses safety waivers and exemptions to accomplish the mission. Additional operations may compound the need for safety waivers. 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	No increase in off-base noise is expected.
Threatened& Endangered Species/ Critical Habitat	T&E species and/or critical habitats exist and impact operations. Additional operations may further impact T&E species and/or critical habitats.
Waste Management	No impact
Water Resources	The state requires a permit for withdrawal of groundwater. Modification of on-installation treatment works may be necessary.
Wetlands	No impact

<u>Impacts of Costs</u>	
	Scott (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 10425 Estimated CTC (\$K): 167222 DO NOT ENTER IN COBRA

Waste Management	No impact
Environmental Compliance	FY06 NEPA: Scenario \$0K / Cumulative \$768K FY07 Conformity Analysis: Scenario \$0K / Cumulative \$50K FY07 Air Permit Revision: Scenario \$0K / Cumulative \$100K