

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0064V3 (307.1c2)

Brief Description: Realign New Castle County Airport AGS. The 166th Airlift Wing's (ANG) is inactivated. The wing's C-130H aircraft are distributed to the 145th Airlift Wing (ANG), Charlotte/Douglas IAP AGS, North Carolina (4 PAA) and 165th Airlift Wing (ANG), Savannah IAP AGS, Georgia (4 PAA). Flying related ECS is moved to McGuire AFB (Aeromed Squadron) and Dover AFB (Aerial Port and Fire Fighters). ECS remains in place.

<u>General Environmental Impacts</u>	
Environmental Resource Area	New Castle (Losing)
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	The installation contains historic property, which may require consultation with the state historic preservation office prior to the transfer of property.
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 T&E species or critical habitats exist. No impact to T&E species is expected
Waste Management	No impact
Water Resources	No impact
Wetlands	No impact

<u>Impacts of Costs</u>	
	New Castle (Losing)
Environmental Restoration	DERA money spent through FY03 (\$K): 4755 Estimated CTC (\$K): 2125 DO NOT ENTER IN COBRA
Waste Management	No impact

Environmental Compliance	No impact
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<u>General Environmental Impacts</u>	
Environmental Resource Area	Charlotte-Douglas (Gaining)
Air Quality	A preliminary conformity analysis shows that a conformity determination is not required.
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 FAA Part 150 reflects the current mission/local land use/current noise levels. 6926 acres off-base within the noise contours are zoned by the local community. 3937 of these acres are residentially zoned. Easements have not been purchased on either developed or undeveloped land.
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 0.5% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Charlotte (Gaining)

Environmental Restoration	DERA money spent through FY03 (\$K): 1695 Estimated CTC (\$K): 1171 DO NOT ENTER IN COBRA
Waste Management	FY07: None
Environmental Compliance	FY07 Air Conformity Analysis: Scenario \$50K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Savannah (Gaining)
Air Quality	The installation is located within 100 miles of Wolf Island National Wildlife Refuge, 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. The FAA Part 150 reflects the current mission & current noise levels. 487 acres off-base within the noise contours are zoned by the local community. 71 of these acres are residentially zoned. Easements have not been purchased on either developed or undeveloped land.
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 3% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Savannah (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 6863 Estimated CTC (\$K): 3836 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

<u>General Environmental Impacts</u>	
Environmental Resource Area	McGuire (Gaining)
Air Quality	McGuire AFB is in an area that is in nonattainment for ozone (severe, 1 hr and moderate, 8 hr) and an ozone transport region (OTR). Both McGuire and JRB Willow Grove are in the Metropolitan Philadelphia Interstate Air Quality Control Region. A conformity analysis will be required. The model shows that a conformity determination may be required for this base for this scenario. The decrease in Willow Grove emissions might make the conformity determination easier at McGuire. Significant air permit revision will be required.
Cultural/ Archeological/ Tribal Resources	McGuire contains archeological sites, areas with a high potential for archeological sites, and historic property that may impact the scenario.
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	Modification of Hazardous Waste Program may be required.
Water Resources	The state requires a permit for withdrawal of groundwater. Potable water controls/restrictions were implemented on 337

	days from FY99 though FY03.
Wetlands	Wetlands restrict 14% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	McGuire AFB (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 33,300 Estimated CTC (\$K): 316,800 DO NOT ENTER IN COBRA
Waste Management	Waste program modification cost: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$776K FY07 Significant air permit revision cost: Scenario \$0K / Cumulative \$200K FY07 Conformity analysis cost: Scenario \$0K / Cumulative \$50K FY07 Air conformity determination cost: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Dover (Gaining)
Air Quality	Dover is located in a nonattainment area for ozone (8 hr). An initial conformity analysis shows that a conformity determination is required. A more in-depth review is required, and may include a scenario-specific data call for non-Air Force installations. The inability to achieve a positive conformity determination may be a constraint to this scenario. The base is located within 100 miles of Brigantine Wilderness, a critical air quality region. This does not impact operations.
Cultural/ Archeological/ Tribal Resources	Archaeological resources are present, and one restricts potential future MFH privatization. There are also 2 historic properties not in districts that do not restrict operations. Additional operations may impact these resources and restrict operations.

Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	4 Sensitive resource areas are present but do not constrain operations. Additional operations may impact these areas and constrain operations. 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	A 3 dB general increase in contours can be expected. The AICUZ reflects the current mission/local land use/current noise levels. 29,305 acres off-base within the noise contours are zoned by the local community. 9,306 of these acres are residentially zoned. (1,382 of this is in the 80+ dB noise contour.) The community has purchased easements on undeveloped land 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	No impact
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands restrict 2% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Dover (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 59606 Estimated CTC (\$K): 45324 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 NEPA Documentation: Scenario \$14K / Cumulative \$48K FY07 Conformity Analysis: Scenario \$15K / Cumulative \$50K