

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0105V2 (907c1)

Brief Description: Realign Langley AFB, Virginia. Realign base-level F-15 avionics intermediate maintenance from Langley AFB into a Centralized Intermediate Repair Facility (CIRF) at Tyndall AFB for F-15 avionics.

<u>General Environmental Impacts</u>	
Environmental Resource Area	Langley (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>	
	Langley (Losing)
Environmental Restoration	DERA money spent through FY03 (\$K): 52,000 Estimated CTC (\$K): 27,000 DO NOT ENTER IN COBRA
Waste Management	FY07 Hazardous Waste Program Modification: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$318K FY07 Air Conformity Analysis: Scenario \$0K / Cumulative \$50K

	FY07 Conformity Determination: Scenario \$0K / Cumulative \$100K FY07 Air Emissions Credits: Scenario \$0K / Cumulative \$655K FY07 Significant Air Permit Revision: Scenario \$0K / Cumulative \$200K
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<u>General Environmental Impacts</u>	
Environmental Resource Area	Tyndall
Air Quality	Base is in attainment for all pollutants. A Critical Air Quality Region is located within 100 miles of the installation, but this does not impact operations. A significant air permit revision is required.
Cultural/ Archeological/ Tribal Resources	There are limitations to fee-simple ownership due to on-base cemeteries. There are native people sites. 21 of 21 archaeological sites constrain current and future construction because data recovery would be required. There are 18 native American tribes interested in the area; however, none have been in contact with the installation. One historic property is present. Additional operations may impact these areas, which may constrain operations.
Dredging	The base dredges 5,200 CY per year (based on 10-year average). The dumping site for spoils has 50,000 CY remaining capacity.
Land Use Constraints/ Sensitive Resource Areas	Eight sensitive resource areas exist; three of these impact operations. These sites restrict base ops by requiring minimum AGL for flights within 1 mile of these 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	No increase in off-base noise is expected
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 the hazardous waste program is required.
Water Resources	No impact
Wetlands	Wetlands restrict 39% of the base by requiring permits and mitigation. Additional operations may further impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Tyndall
Environmental Restoration	DERA money spent through FY03 (\$K): 27086 Estimated CTC (\$K): 82705 DO NOT ENTER IN COBRA
Waste Management	FY07 Modification of hazardous waste program: Scenario \$100K / Cumulative \$100K
Environmental Compliance	FY06 NEPA Documentation: : Scenario \$48K / Cumulative \$48K FY07 Significant Air Permit Revision: : Scenario \$100K / Cumulative \$100K