

## Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0063V2 (306Zc2)

Brief Description: Realign Andrews AFB. Move from Andrews AFFSA and 2 C-21s to Will Rogers

Move C-130Hs from Will Rogers to Carswell (4 PAA) and Rosecrans AGS (4 PAA); plus Aerial Port to Carswell. Realign Will Rogers firefighters and Aeromed squadron to Rosecrans AGS. Will Rogers to receive USAF Advanced Instrument School from Randolph and Global Air Traffic Operations Program Office from Tinker

<b><u>General Environmental Impacts</u></b>	
<b>Environmental Resource Area</b>	<b>Andrews</b>
<b>Air Quality</b>	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.
<b>Cultural/ Archeological/ Tribal Resources</b>	The scenario may impact a historic property that is not in a historic district.
<b>Dredging</b>	No impact
<b>Land Use Constraints/ Sensitive Resource Areas</b>	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 $\geq 100$ feet without a waiver, which may lower the safety of the base if operations are added.
<b>Marine Mammals/ Marine Resources/ Marine Sanctuaries</b>	No impact
<b>Noise</b>	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.
<b>Threatened&amp; Endangered Species/ Critical Habitat</b>	T&E species and/or critical habitats exist but don't impact operations. Additional operations may impact T&E species and/or critical habitats.

<b>Waste Management</b>	No impact
<b>Water Resources</b>	The state requires a permit for withdrawal of groundwater.
<b>Wetlands</b>	Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<b><u>Impacts of Costs</u></b>	
	<b>Andrews</b>
<b>Environmental Restoration</b>	DERA money spent through FY03 (\$K): 53,781 Estimated CTC (\$K): 66,007 DO NOT ENTER IN COBRA
<b>Waste Management</b>	No impact
<b>Environmental Compliance</b>	FY06 NEPA cost: Scenario \$0K/Cumulative \$281K FY07 Air Conformity Analysis cost: Scenario \$0K/Cumulative \$50K

<b><u>General Environmental Impacts</u></b>	
<b>Environmental Resource Area</b>	<b>Will Rogers (Gaining/Losing)</b>
<b>Air Quality</b>	Will Rogers is in an area that is in attainment for all criteria pollutants. No impact.
<b>Cultural/ Archeological/ Tribal Resources</b>	No impact
<b>Dredging</b>	No impact
<b>Land Use Constraints/ Sensitive Resource Areas</b>	The base uses safety waivers and exemptions to accomplish the mission. Additional operations may compound the need for safety waivers.
<b>Marine Mammals/ Marine Resources/ Marine Sanctuaries</b>	No impact
<b>Noise</b>	The Part 150 reflects the current mission/local land use/current noise levels. 8000 acres off-base within the noise contours are zoned by the local community. Noise contours do not affect off-base residential zoning. Noise map is not available.

<b>Threatened&amp; Endangered Species/ Critical Habitat</b>	No T&E species or critical habitats exist. No impact to T&E species is expected.
<b>Waste Management</b>	No impact
<b>Water Resources</b>	No impact
<b>Wetlands</b>	Wetlands Survey may need to be conducted to determine impact.

<b><u>Impacts of Costs</u></b>	
	<b>Will Rogers (Gaining/Losing)</b>
<b>Environmental Restoration</b>	DERA money spent through FY03 (\$K): N/A Estimated CTC (\$K): N/A DO NOT ENTER IN COBRA
<b>Waste Management</b>	No impact
<b>Environmental Compliance</b>	FY06 NEPA cost: Scenario \$280K/Cumulative \$281K

<b><u>General Environmental Impacts</u></b>	
<b>Environmental Resource Area</b>	<b>Carswell (Gaining)</b>
<b>Air Quality</b>	A preliminary assessment shows that a conformity determination is not required. An air permit revision may be needed.
<b>Cultural/ Archeological/ Tribal Resources</b>	The base has two historic properties that are not in historic districts.
<b>Dredging</b>	No impact
<b>Land Use Constraints/ Sensitive Resource Areas</b>	The scenario may require building on constrained acreage. Operations are restricted by no supersonic flight and no live fire in three military operating areas.
<b>Marine Mammals/ Marine Resources/ Marine Sanctuaries</b>	No impact
<b>Noise</b>	Less than a 3dB general increase in contours can be expected. The AICUZ and JLUS reflect the current mission, local land use, current noise levels. 6,947 acres off-base within the noise contours are zoned by the local community. 2,187.6 of these acres are residentially zoned. The community has not purchased easements for area surrounding the installation.

<b>Threatened&amp; Endangered Species/ Critical Habitat</b>	No T&E species or critical habitats exist. No impact to T&E species is expected.
<b>Waste Management</b>	Hazardous waste program modification is needed.
<b>Water Resources</b>	No impact
<b>Wetlands</b>	Wetlands restrict 0.0008% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<b><u>Impacts of Costs</u></b>	
	<b>Carswell (Gaining)</b>
<b>Environmental Restoration</b>	DERA money spent through FY03 (\$K): 26,137 Estimated CTC (\$K): 6,019 DO NOT ENTER IN COBRA
<b>Waste Management</b>	FY07 Hazardous Waste Program cost: Scenario \$31K/Cumulative \$100K
<b>Environmental Compliance</b>	FY06 NEPA cost: Scenario \$87K/Cumulative: \$281K FY07 Air Conformity Analysis cost: Scenario \$15K/Cumulative \$50K FY07 Air Permit Revision cost: Scenario \$31K/Cumulative \$100K

<b><u>General Environmental Impacts</u></b>	
<b>Environmental Resource Area</b>	<b>Rosecrans (Gaining)</b>
<b>Air Quality</b>	No impact
<b>Cultural/ Archeological/ Tribal Resources</b>	No impact
<b>Dredging</b>	No impact
<b>Land Use Constraints/ Sensitive Resource Areas</b>	No impact
<b>Marine Mammals/ Marine Resources/ Marine Sanctuaries</b>	No impact
<b>Noise</b>	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. The area surrounding the base is not zoned by the local community.
<b>Threatened&amp; Endangered Species/ Critical Habitat</b>	No T&E species or critical habitats exist. No impact to T&E species is expected
<b>Waste Management</b>	No impact
<b>Water Resources</b>	No impact
<b>Wetlands</b>	Wetlands Survey may need to be conducted to determine impact.

<b><u>Impacts of Costs</u></b>	
	<b>Rosecrans (Gaining)</b>
<b>Environmental Restoration</b>	DERA money spent through FY03 (\$K): 2497 Estimated CTC (\$K): 1420 DO NOT ENTER IN COBRA
<b>Waste Management</b>	No impact
<b>Environmental Compliance</b>	No impact

<b><u>General Environmental Impacts</u></b>	
<b>Environmental Resource Area</b>	<b>Randolph (Losing)</b>
<b>Air Quality</b>	No impact
<b>Cultural/ Archeological/ Tribal Resources</b>	An historic district is located on the installation. Additional operations may impact this district, which may impact operations.
<b>Dredging</b>	No impact
<b>Land Use Constraints/ Sensitive Resource Areas</b>	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development. The base cannot expand ESQD Arcs by $\geq 100$ feet without a waiver, which may lower the safety of the base if operations are added.
<b>Marine Mammals/ Marine Resources/ Marine Sanctuaries</b>	No impact
<b>Noise</b>	No impact
<b>Threatened&amp; Endangered Species/ Critical Habitat</b>	A Biological Opinion exists for the aquifer that lies below the installation; however, no T&E species or critical habitat has been identified, and the biological opinion does not restrict operations. Additional operations may impact this resource. In addition, the Biological Opinion will need to be evaluated to ensure the scenario conforms to it.
<b>Waste Management</b>	No impact
<b>Water Resources</b>	No impact
<b>Wetlands</b>	No impact

<b><u>Impacts of Costs</u></b>	
	<b>Randolph (Losing)</b>
<b>Environmental Restoration</b>	DERA money spent through FY03 (\$K): 6367 Estimated CTC (\$K): 5547 DO NOT ENTER IN COBRA
<b>Waste Management</b>	No impact
<b>Environmental Compliance</b>	FY06 NEPA cost: Scenario \$0K/Cumulative \$192K

<b><u>General Environmental Impacts</u></b>	
<b>Environmental Resource Area</b>	<b>Tinker (Losing)</b>
<b>Air Quality</b>	The base is located within 100 miles of Wichita Mountains Wildlife Refuge, a critical air quality region. This does not restrict operations.
<b>Cultural/ Archeological/ Tribal Resources</b>	One or more installation cemeteries impose limitations on fee-simple ownership. The installation has an 81-acre historic district with seven contributing resources. There is also one historic property not in a historic district.
<b>Dredging</b>	No impact
<b>Land Use Constraints/ Sensitive Resource Areas</b>	The base cannot expand ESQD Arcs by $\geq 100$ feet without a waiver, which may lower the safety of the base if operations are added.
<b>Marine Mammals/ Marine Resources/ Marine Sanctuaries</b>	No impact
<b>Noise</b>	No increase in off-base noise is expected.
<b>Threatened&amp; Endangered Species/ Critical Habitat</b>	No T&E species or critical habitats exist. No impact to T&E species is expected.
<b>Waste Management</b>	No impact
<b>Water Resources</b>	No impact
<b>Wetlands</b>	Wetlands restrict 0.15% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<b><u>Impacts of Costs</u></b>	
	<b>Tinker (Losing)</b>
<b>Environmental Restoration</b>	DERA money spent through FY03 (\$K): 188700 Estimated CTC (\$K): 118347 DO NOT ENTER IN COBRA
<b>Waste Management</b>	No impact
<b>Environmental Compliance</b>	FY06 NEPA cost: Scenario \$0K/Cumulative \$281K