

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0083V2 (421c2)

Brief Description: Realign March.

Distribute 163d Air Refueling Wing (ANG) KC-135R aircraft to 452d Air Mobility Wing (AFRC), March ARB (4 PAA); 157th Air Refueling Wing (ANG), Pease International Tradeport AGS (3 PAA); 134th Air Refueling Wing (ANG), McGhee-Tyson ANGB (1 PAA) and 22d Air Refueling Wing (Active Duty) at McConnell AFB (1 PAA). The 163d ECS remains in place.

<u>General Environmental Impacts</u>	
Environmental Resource Area	March
Air Quality	March is located in an area that is in nonattainment for 8-hour ozone (severe), carbon monoxide (serious), and particulate matter (serious). An initial conformity analysis shows that a conformity determination is not required. March is located within 100 miles of four critical air quality regions. This restricts base operations by triggering Prevention of Significant Deterioration (PSD). The PSD regulation sets forth preconstruction review requirements for stationary sources to ensure that air quality in clean air areas does not significantly deteriorate while maintaining a margin for future industrial growth. The base has been required to implement carpooling as an emission reduction procedure, but the special action did not restrict the installation operations.
Cultural/ Archeological/ Tribal Resources	The base has a 103-acre historic district with 68 contributing resources.
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	No increase in off-base noise is expected.
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	Modification of the waste program may be necessary.
Water Resources	The state requires a permit for withdrawal of groundwater.

Wetlands	Wetlands restrict 0.07% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.
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<u>Impacts of Costs</u>	
	March
Environmental Restoration	DERA money spent through FY03 (\$K): 11,066 Estimated CTC (\$K): 14,972 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

<u>General Environmental Impacts</u>	
Environmental Resource Area	Pease (Gaining)
Air Quality	A preliminary conformity analysis shows that a conformity determination is not required. The base is located within 100 miles of two critical air quality regions, but this does not restrict operations.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Sensitive Resource Areas exist but do not constrain operations. Additional operations may impact these areas and constrain operations.
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. 859 acres off-base within the noise contours are zoned by the local community. 80 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	No impact
Water Resources	No impact
Wetlands	Wetlands Survey may need to be conducted to determine impact.

<u>Impacts of Costs</u>	
	Pease (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 340 Estimated CTC (\$K): 2249 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 NEPA cost: Scenario \$281K/Cumulative \$281K FY07 Air Conformity Analysis cost: Scenario \$50K/Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	McGhee Tyson (Gaining)
Air Quality	The base is in a nonattainment area for ozone. An initial conformity analysis indicated 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. 2883 acres off-base within the noise contours are zoned by the local community. 1190 of these acres are residentially zoned. 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	No impact

<u>Impacts of Costs</u>	
	McGhee Tyson (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 3,026 Estimated CTC (\$K): 3,601 DO NOT ENTER IN COBRA
Waste Management	No Impact
Environmental Compliance	FY06 NEPA cost: Scenario \$23K/Cumulative \$281K FY07 Conformity Analysis cost: Scenario \$4K/Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	McConnell (Gaining)
Air Quality	McConnell is in an area that is in attainment for all criteria pollutants. A minor air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	Actions may impact five historic properties that are not in historic 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 AICUZ reflects the current mission, local land use, and current noise levels. 517.2 acres off-base within the noise contours are zoned by the local community. 36.7 of these acres are residentially zoned. The community has purchased easements for areas 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	Hazardous waste program modification needed.
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands make up 0.63% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	McConnell (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 13,488 Estimated CTC (\$K): 12,386 DO NOT ENTER IN COBRA
Waste Management	FY07 Hazardous Waste Program cost: Scenario \$7K/Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$19K/Cumulative \$281K FY07 Minor Air Permit Revision cost: Scenario \$3K/Cumulative \$50K