

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: S440

Brief Description: Realign Dover AFB. The C-17 aircraft (12 PAA) programmed for the 436th Airlift Wing will transfer to the 62d Airlift Wing, McChord AFB, Washington (6 PAA); the 437th Airlift Wing, Charleston AFB, South Carolina (2 PAA); and to BAI (4 PAA).

| <u>General Environmental Impacts</u> | |
|---|---|
| Environmental Resource Area | Dover |
| Air Quality | Dover is located in a nonattainment area for ozone (8 hr). An initial conformity analysis shows that a conformity determination is not required. 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 | Less than a 3dB 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 | Modification of hazardous waste program may be required. |
| 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 |
| Environmental Restoration | DERA money spent through FY03 (\$K): 59606 Estimated CTC (\$K): 45324 DO NOT ENTER IN COBRA |
| Waste Management | FY07 Hazardous waste program modification \$100K |
| Environmental Compliance | FY06 NEPA Documentation: \$281K FY07 Conformity Analysis \$50K FY07 Minor Air Permit Revision \$70K |

| <u>General Environmental Impacts</u> | |
|---|--|
| Environmental Resource Area | McChord AFB |
| Air Quality | A preliminary assessment shows that a conformity determination is required for this scenario. 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. A minor air permit revision may be required. The installation is located within 100 miles of Mt. Rainier National Park Class 1 Wilderness Area, a critical air quality region. This does not restrict military installation operations. |
| Cultural/ Archeological/ Tribal Resources | The installation has one 408-acre historic district with 39 contributing resources. There are three historic properties not in 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. 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 | Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, and current noise levels. 807 acres off-base within the noise contours are zoned by the local community. 3.44 of these acres are residentially zoned. The community has not purchased easements for areas surrounding the installation. |
| 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 hazardous waste program may be needed. |
| Water Resources | No impact |
| Wetlands | Wetlands restricted 0.17% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations. |

| <u>Impacts of Costs</u> | |
|----------------------------------|---|
| | McChord AFB |
| Environmental Restoration | DERA money spent through FY03 (\$K): 19,282 Estimated CTC (\$K): 13,756 DO NOT ENTER IN COBRA |
| Waste Management | FY07 Hazardous Waste Program \$100K |
| Environmental Compliance | FY06 NEPA Documentation \$281K FY07 Air Conformity Analysis: \$50K FY07 Air Conformity Determination \$100K FY07 Air Permit Revision \$70K FY07 Air Emission Offset Costs \$1.10M |

| <u>General Environmental Impacts</u> | |
|---|---|
| Environmental Resource Area | Charleston |
| Air Quality | A minor air permit modification may be required. Charleston is within 100 miles of the Congaree Swamp National Monument, a critical air quality region. This region 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 restrict operations. Additional operations may impact these areas and restrict operations. The base uses safety waivers and exemptions to accomplish the mission. Additional operations may compound the need for safety waivers. |
| Marine Mammals/ Marine Resources/ Marine Sanctuaries | No impact |
| Noise | Less than a 3dB general increase in contours can be expected. The AICUZ and JLUS reflect the current mission, local land use, and current noise levels. 7997 acres off-base within the noise contours are zoned by the local community. 2072 of these acres are residentially zoned. The community has not purchased easements for the 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 restrict 8.8% of the base. Wetlands already restrict operations (no construction, filling, etc). Additional operations may impact wetlands, which may restrict operations. |

| <u>Impacts of Costs</u> | |
|----------------------------------|--|
| | Charleston |
| Environmental Restoration | DERA money spent through FY03 (\$K): 25252 Estimated CTC (\$K): 8306 DO NOT ENTER IN COBRA |
| Waste Management | None |
| Environmental Compliance | FY06 NEPA cost: \$281K FY07 Air Permit Modification: \$50K |