SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS **[TABS WORKING DRAFT]**

SCENARIO #463 **TITLE: TECH-0005 ESTABLISH JOINT CENTERS FOR ROTARY WING RDAT&E**

GENERAL DESCRIPTION: Consolidate Rotary Wing RDAT&E into 1 core site at Redstone Arsenal.

Proposal Affects the following Army installations:
1. Ft Rucker moves 99 personnel to Redstone Arsenal
2. Ft Eustis moves 237 personnel to Redstone Arsenal
3. Redstone Arsenal gains 386 personnel and construction of 235,245 SF - MILCON.

ANALYST: COL CRABTREE **DATE: 3 FEB 2005**

Env Resource Area	*Gaining* Installation Assessment Inst Name: Redstone	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	#213 – In Attainment for all Criteria Pollutants. #211 –No permit thresholds projected to be exceeded based on emissions expected from increasing Redstone's population and mission (2% pop incr). Substantial permit buffers exist at Redstone. #212- No exceedences reported for top 5 HAPs #220 – Has a Major Title V Permit (SIC code 9711) #218 – No restrictions reported ISR2 –AQM adversely impacting mission
Cultural/Archeological/Tribal Resources	346 Archeological/tribal/cultural sites identified, some of which restrict construction/training/testing/operations. 420 historic properties. 19 Native American tribes have asserted interest in installation's archeological sites. Minimal Impact expected, since installation is 96% surveyed, and required construction should be sited on available buildable acreage.	#229 – Limitations to fee-simple ownership #230- 346 archeological resources identified, some restrictions reported #231- Sacred sites identified #232- Areas with high potential for archeological resources identified #233- Installation is 96% surveyed #235 - 420 historic properties on 2800 acres. #201 – No mission operations constraints. #234 – 19 Native American Tribes have asserted interest in installation's archeological sites, currently in formal consultation #236 – No Programmatic Agreement however State MOA covers alteration renovation and or demolition of 398 buildings eligible for National Register
Dred g-ing	No Impact.	#226, 227, 228 – N/A

Land Use Constraints/Sensitive Resource Areas	No impact.	#30 -3,229 Buildable Acres available, approximately 84 acres req'd, (Based on size of a small depot) #201, 254, 256 – No restrictions/coordination required. #256 – 2 Sensitive Resource Areas identified, coordination required but currently pose no restrictions CERL – moderate encroachment
Marine Mammals/ Marine Res	No Impact	#248, 249, 250, 252, 253 – N/A
Noise	Increased noise from Aviation operations may result in operational restrictions on the installation. Further evaluation is required.	#239 - 693 Zone 3 acres and 4339 Zone 2 acres extend outside installation, which is moderately encroached..
Threatened& Endangered Species/Critical Habitat	Minimal impact expected. TES on installation include Prices potato bean (*Apios priceano*), Bald Eagle (*Haliaeetus leucocephalus*), Indiana Bat (*Myotis sodalis*), Gray Bat (*Myyotis grisescens*), Alabama Cave Shrimp (*Palaemonias alabamae*) and American Alligator (*Alligator mississippiensis*). Federally listed species restrict <0.7% of land. Prices potato bean restricts 0.3% of land where vehicle use is restricted to existing roads and utilities maintenance in this area must be monitored by Environmental Office; and the Alabama Cave Shrimp restricts 0.4% of land in the Area immediately surrounding Bobcat Cave where access is closed to vehicles.	#259 – TES on installation include Prices potato bean (*Apios priceano*) (restricts .03% of land), Bald Eagle (*Haliaeetus leucocephalus*), Indiana Bat (*Myotis sodalis*), Gray Bat (*Myyotis grisescens*), Alabama Cave Shrimp (*Palaemonias alabamae*) (restricts 0.4% of land) and American Alligator (*Alligator mississippiensis*). #260, 261, 262, 263 - No critical habitat, no development restrictions, no candidate species, no Biological Opinion. ISR- no restr to mission
Waste Management	No Impact.	#269 – Has RCRA Subpart X Permit. #265 – Has RCRA Permitted TSD facility #272 – Has permitted SWDF at 25% capacity
Water Resources	No impact.	#276 – Not in recharge zone of sole source aquifer #278 – Not subject to McCarren Amendmt #293 – No previous restrictions. IREM indicates water infrastructure can support 15,699 additional personnel – proposal adds 386 personnel approx 2% increase in duty population. #279 – Does not discharge into impaired waterway. #291 –2 on-installation gov't owned plants #297 – 1 on site wastewater treatment plt #282 – No industrial wastewater trmt plant
Wetlands	No impact.	#257 – Jurisdictional wetlands restricts 25% of installation where a permit is required for dredge and fill operations. #251 – Wetlands survey completed 03/02

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS WORKING DRAFT]
SCENARIO # 463

Env Resource Area	*#1 Losing* Installation Assessment Inst Name: Ft Rucker_	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	Impact to losing installations is considered neutral or positive for all environmental areas.
Cultural/ Archeological/Tribal Resources	No impact.	
Dredging	No impact.	
Land Use Constraints/Sensitive Resource Areas	No impact.	
Marine Mammals/ Marine Resources	No impact.	
Noise	No impact.	
Threatened& Endangered Species/ Critical Habitat	No impact.	
Waste Management	No impact.	
Water Resources	No impact.	
Wetlands	No impact.	

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS WORKING DRAFT]
SCENARIO # 463

Env Resource Area	*#2 Losing* Installation Assessment Inst Name: Ft Eustis_	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	Impact to losing installations is considered neutral or positive for all environmental areas.
Cultural/ Archeological/Tribal Resources	No impact.	
Dredging	No impact.	
Land Use Constraints/Sensitive Resource Areas	No impact.	
Marine Mammals/ Marine Resources	No impact.	
Noise	No impact.	
Threatened& Endangered Species/ Critical Habitat	No impact.	
Waste Management	No impact.	
Water Resources	No impact.	
Wetlands	No impact.	

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS WORKING DRAFT]
SCENARIO 463

IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: Redstone Arsenal	Losing Installation Inst Name: Ft Rucker, Ft Eustis.
Environmental Restoration*	None.	None.
Waste Management	None.	None.
Environmental Compliance	-Re-alignment NEPA (EA - based on <1K personnel) - $100K. -Evaluation to determine if archeological/tribal site(s) are significant $15K-$40K per site. -Develop PA -$10K -Conduct Tribal govt to govt consultations - $2K-$10K per meeting. - Noise Analysis and Monitoring - $5K - $75K - ESA Consultation (BA Prep) $10K-$100K - Endangered Species Management (includes monitoring) $20K-$2M	None.
COBRA Costs:	NEPA (EA) - $100K. Noise Analysis and Monitoring - $20K	None.