SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS **[TABS FINAL VERSION]**

SCENARIO #463 **TITLE: TECH-0005 ESTABLISH JOINT CENTERS FOR ROTARY WING AIR PLATFORM R, D&A, AND T&E**

GENERAL DESCRIPTION: In general, only Army actions specifically described. This scenario consolidates all Rotary Wing air platform R, D&A, T&E to two principal sites while retaining several specialty sites. Rotary Wing R, D&A, T&E will be consolidated into 2 core sites, Patuxent River, and Redstone Arsenal, with non-maritime unique Rotary Wing R consolidated at Redstone Arsenal. The relocation of Rotary Wing R functions are proposed in concert with the S&T Reliance Agreements. The planned component moves will enhance synergy by consolidating to major sites, preserve healthy competition, leverage climatic/geographic conditions and existing infrastructure, minimize environmental impact, distribute demand on the telemetry spectrum and effect reasonable homeland security risk dispersal. Realign the people and their positions (government only) and the special equipment & facilities performing Air Platform Development & Acquisition, and Test & Evaluation from Ft. Rucker [W376AA] and consolidate that work at Redstone Arsenal [01750], if rotary wing related. Realign the people and their positions (government only) and the special equipment & facilities performing Air Platform Development and Acquisition from Robins [WR-ALC] and co-locate that work at Redstone [01750], if rotary wing related.

Proposal affects the following Army installations:
1. Ft Rucker loses approximately 110 personnel.
2. Redstone Arsenal gains approximately 140 personnel and construction of approximately 842,221SF of new - MILCON.

ANALYST: _____ **LAST UPDATE: 04/28/2005**

Env Resource Area	*Gaining* Installation Assessment Inst Name: Redstone	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact. New Source Review due to significant changes in emissions due to new flight research and testing. Modification to Title V permit likely.	#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. Cultural/archaeological resources already restrict operations. Additional operations may impact these resources, which may lead to restrictions on these impacts as well. A potential impact may occur as a result of increased time delays and negotiated restrictions. Potential impacts may occur, since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs.	#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 1 small depot – closet equivalent to flight research center) #201, 254, 256 – No restrictions/coordination required. #256 – 2 Sensitive Resource Areas identified, coordination required but currently pose no restrictions CERL – moderate encroachment
Mari ne Ma mm als/ Mari ne 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 by development.

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 Manage ment	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 #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
Wetland s	No impact. Wetlands already restrict operations. Additional operations may impact wetlands, which may lead to operations that are restricted.	#257 – Jurisdictional wetlands restrict 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);
SCENARIO # *TECH-0005*

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/ Marin	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);
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IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: Redstone Arsenal	Losing Installation Inst Name: Ft Rucker
Environmental Restoration*	None.	None.
Waste Management	None.	None.
Environmental Compliance	- New Source Review and permitting – $100K to $400K -Re-alignment NEPA (EA – based on significant construction, amt. of flying TES, and entirely new flight mission, with potential environmental impacts) - $400K. -Evaluation to determine if archeological/tribal site(s) are significant $15K-$40K per site. -Evaluation to determine if historic buildings/structures are significant -$1K-$2K per building -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:	New Source Review - $100K NEPA (EA) - $400K. Noise Analysis and Monitoring - $20K	None.