

SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS

[TABS FINAL VERSION]

SCENARIO #354

TITLE: HSA-0047R Co-LOCATE MISSILE AND SPACE DEFENSE AGENCIES

GENERAL DESCRIPTION: Close 5 leased locations in the DC area, close 10 leased locations in Huntsville, AL, realign 4 leased locations in the DC area, realign Naval Support Activity Dahlgren, and facilitate disposal of Federal Office Building 2 by consolidating components of Missile Defense Agency (MDA) and co-locating with USA Space and Missile Defense Command Headquarters (SMDC), Naval Network and Space Operations Command (COMVANVETSPAOPSCOM) and existing offices of SMDC and MDA at Redstone Arsenal. Personnel would also move to Fort Belvoir to set up a Washington DC Liason office.

Notes:

1. Scenario moves approximately 500 personnel and constructs approximately 960,000 SF Milcon at Redstone Arsenal.
2. Scenario moves approximately 150 personnel and constructs approximately 50,000 SM Milcon at Fort Belvoir.

ANALYST: _____

LAST UPDATE: 4 MAY 2005

Env Resource Area	#1 Gaining Installation Assessment Inst Name: Redstone Arsenal	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No Impact.	#213 – In Attainment for all Criteria Pollutants. #211 –No permit/Major Source thresholds projected to be exceeded based on minimal emissions expected from admin organization, and ample permit buffers exist. #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 archaeological resources and 420 historic properties reported. 19 Native American tribes assert an interest in archeological sites. A potential impact may occur as a result of increased time delays and negotiated restrictions. Since there is no Programmatic Agreement in place, potential impacts may occur, since resources must be evaluated on a case-by-case basis. Cultural / archeological / tribal resources currently restrict operations. Additional operations may impact these resources and result in further restrictions on training or operations. Likely no impact - sufficient buildable acres exist to accommodate new construction while avoiding cultural resources.	#229 – Limitations to fee-simple ownership #230- 346 archaeological resources identified, some restrictions reported #231- Sacred sites identified #232- Areas with high potential for archaeological resources identified #233- Installation is 96% surveyed #235 - 420 historic properties #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

Dredging	No Impact – proposal does not involve dredging	#226, 227, 228 – N/A
Land Use Constraints/Sensitive Resource Areas	No Impact.	#30 -3,229 Buildable Acres available, approximately 210 required. (based on 4.8 large admin. org.). #201, 254, 256 – No restrictions/coordination required. #256 – 2 Sensitive Resource Areas identified, coordination required but currently pose no restrictions CERL – moderate encroachment
Marine Mammal	No Impact	#248, 249, 250, 252, 253 – N/A
Noise	No impact - no noise generated by proposal.	#239 - 693 Zone 3 acres and 4339 Zone 2 acres extends off-installation which is moderately encroached by development
Threatened & Endangered Species/Critical Habitat	<p>TES on installation include Prices potato bean (<i>Apios priceano</i>), Bald Eagle (<i>Haliaeetus leucocephalus</i>), Indiana Bat (<i>Myotis sodalis</i>), Gray Bat (<i>Myotis grisescens</i>), Alabama Cave Shrimp (<i>Palaemonias alabamae</i>) and American Alligator (<i>Alligator mississippiensis</i>).</p> <p>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.</p>	<p>#259 – TES on installation include Prices potato bean (<i>Apios priceano</i>) (restricts .03% of land), Bald Eagle (<i>Haliaeetus leucocephalus</i>), Indiana Bat (<i>Myotis sodalis</i>), Gray Bat (<i>Myotis grisescens</i>), Alabama Cave Shrimp (<i>Palaemonias alabamae</i>) (restricts 0.4% of land) and American Alligator (<i>Alligator mississippiensis</i>).</p> <p>#260, 261, 262, 263 - No critical habitat, no development restrictions, no candidate species, no Biological Opinion.</p>
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 installation 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

Wetlands	Wetlands already restrict operations. Additional operations may impact wetlands, which may lead to operations that are restricted. Likely no impact - sufficient buildable acres exist to accommodate new construction while avoiding wetlands.	#257 – Jurisdictional wetlands restricts 25% of installation where a permit is required for dredge and fill operations. #251 – Wetlands survey completed 03/02
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SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED)**SCENARIO #354(HSA-0047R)**

Env Resource Area	#2 <i>Gaining</i> Installation Assessment Inst Name: <u>Fort Belvoir</u>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Impact Expected. Ft Belvoir is currently in Non-Attainment area for Ozone and PM 2.5. Added operations will require New Source Review permitting and Air Conformity Analysis.	#213 –Moderate Non-Attainment for Ozone (1-hour), proposed/projected for Non-Attainment for Ozone (8-hour) and PM2.5. #211 - Permit thresholds projected to be exceeded for VOCs (based on 30% incr in emissions at Belvoir) #220 – Has a Major Title V Permit and (Natural) Minor Operating Permit. #218/ISR – No mission impact/No restr.
Cultural/Archeological/Tribal Resources	12 historical/prehistoric archeological resources reported, with restrictions to future construction. 62 historic properties listed. Potential impact may occur since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs.	#230- 12 historic/prehistoric (and 193 potentially eligible) sites that restrict future construction in certain areas. #231- No Native peoples sites; #232 - No high potential sites #233 - 100% surveyed #234 – No tribes interested in resources. #235 - 58 historic properties on 212 acres, 1 district and 4 resources outside of district. #236 – No Programmatic Agreement. ISR2 - No impact to mission
Dredging	No Impact.	#227 - If new activity requires dredging, then dredging may not be able to occur in the short term due to known dredging impediments #226, 228 - N/A
Land Use Constraints/Sensitive Resource Areas	No Impact.	Buildable Acres – approximately 7 req'd, (1 small admin bldg.) approx 2,355 acres available. #201, 254– No restrictions/coordination required. #256 – One Sensitive Resource Area that restricts airspace. CERL Study – high encroachment projected
Marine Mammals/Mar	No Impact.	#248-253 - No restr
Noise	No Impact.	#239 - No noise contours off-installation.

Threatened & Endangered Species/Critical Habitat	<p>Federally listed species includes Bald Eagle (<i>Haliaeetus leucocephalus</i>). Restrictions for TES include aircraft height restriction over nest during nesting season, and no land-disturbing training or timber clear cutting along undeveloped/undisturbed shorelines.</p> <p>Additional operations may further impact threatened / endangered species leading to additional restrictions on training or operations.</p>	<p>#249 Restrictions for TES are in place – no clear cutting or training 750 feet inland along undisturbed and undeveloped shoreline. Restricted helicopter flying #259 1 TES identified, Bald Eagle #260-262,264 - No habitat restrictions, no proposed critical habitat #263 – No candidate species; ISR2 shows no impact.</p>
Waste Management	No Impact.	#269 – No RCRA Subpart X Permit; none required.
Water Resources	No Impact.	<p>#276,278,293 – No water restrictions reported #279 - Doesn't discharge to impaired waterway. #824/825 indicates adequate water avail IREM – potable water infr. can support 19,000 more people. #291 – 1 off-installation public water production plant #297 – 1 off-installation public ww plant #282 – No industrial wastewater trmt plant</p>
Wetlands	No impact. Land outside of wetlands is available for construction.	<p>#251 – Installation was surveyed in 1997 #257 – 10.2% of installation has wetlands that restrict operations, permits needed if planning to disturb wetlands.</p>

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED)

SCENARIO #354(HSA-0047R)

Env Resource Area	<i>Lossing</i> Installation Assessment Inst Name: <i>N/A</i>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact	Relocation of personnel away from leased sites has no environmental impact (for any of the ten areas) since bldg/facility owner is responsible for environmental compliance and impacts.
Cultural/ Archeological Resources	No impact	
Drainage	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)**SCENARIO #354(HSA-0047R)****IMPACTS OF COSTS**

Env Resource Area	Gaining Installation Inst Name: Redstone Arsenal, Fort Belvoir	Losing Installation Inst Name: <i>N/A</i>
Environmental Restoration*	None	None- closing a leased facility.
Waste Management	None	None- closing a leased facility.
Environmental Compliance	<p><u>Redstone Arsenal</u> -Develop PA -\$10K -Tribal gov't-to-gov't consultation -\$500-\$2K per meeting -Realignment NEPA at gaining base – \$100K (due to incoming personnel <1,000) -Endangered Species Management (includes monitoring) - \$20K-\$2M</p> <p><u>Fort Belvoir</u> -Air Conformity Analysis (\$25K-\$75K) -New Source Review Permitting (\$100K-\$500K). -Develop Programmatic Agreement for Arch/historical resources - (\$10K) -Endangered Species Management (includes monitoring) - \$20K-\$2M -Re-alignment NEPA at gaining base - \$1M (EA, Based on moving <1000 pers)</p>	None- closing a leased facility.
COBRA Costs:	<p><u>Redstone Arsenal</u> -Realignment NEPA at gaining base – \$100K</p> <p><u>Fort Belvoir</u> -Air Conformity Analysis \$50K -New Source Review Permitting \$100K -Realignment NEPA (EA) - \$100K</p>	None.