

SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS [TABS FINAL VERSION]**SCENARIO #367****TITLE: HSA-0065V2 CONSOLIDATE ATEC HQs**

GENERAL DESCRIPTION: Realign 1 leased location in Alexandria, VA by consolidating Army Test and Evaluation Command (ATEC) HQ and an office of the Army Evaluation Center (sub-component of ATEC) with ATEC sub-components at Aberdeen.

Notes:

1). Moves approximately 400 personnel to Aberdeen Proving Ground and requires approximately 25,000 SF new MILCON.

ANALYST: _____**LAST UPDATE: APRIL 27, 2005**

Env Resource Area	<i>Gaining</i> Installation Assessment Inst Name: Aberdeen PG	Analyst Comments (& data source(s) that drive assessment)
Air Quality	<p>Potential impact. APG is in severe non-attainment for 1-hour Ozone and currently over threshold limits for NOx and close to exceeding VOC threshold.</p> <p>Addition of operations and personnel may exceed major source thresholds for VOCs. As a minimum, New Source Review and modifications to existing Title V permit may be required.</p>	<p>#213 – In severe non-attainment for Ozone (1-hr) #211 – Currently exceeds Major Source thresholds for Nox. Buffer for VOCs is 0.9 PTE - very close to exceeding. #220 – Holds 2 Major Operating Permits (SIC code 9711) #222 – Emissions Credit Trading program available for NOx and VOCs #218 – No restrictions to operations reported due to air quality requirements</p>
Cultural/Archeological/Tribal Resources	<p>78 Historic properties, 5 archeological resources identified to date and areas with high archeological potential, but no restrictions to mission reported. A very limited portion of the installation has been surveyed for cultural resources; therefore, the extent of the cultural resources on the installation and impacts to those resources is uncertain. Potential impacts may occur as result of increased times delays and negotiated restrictions, due to tribal government interest. Potential impacts may occur, since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs.</p>	<p>#233- A <5% of installation has been surveyed for cultural resources therefore extent of cultural resources and impacts to these resources is uncertain. #235 – 78 Historic properties #230 – 5 arch resources known on installation; no restrictions reported #231 – Native People sites identified #236 – No Programmatic Agreement #234 – 5 tribes asserted interest in burial/sacred sites; in contact, but no formal consultation yet. #232 – Areas with high archaeological potential identified.</p>
Dredging	<p>No Impact - no dredging required for scenario.</p>	<p>#227 – If new unit/activity requires dredging, then dredging may not be able to occur in the short term due to known dredging impediments. #226 – If the new unit/activity requires dredging, then UXO and endangered species surveys may be required.</p>

<p>Land Use Constraints/Sensitive Resource Areas</p>	<p>No Impact.</p> <p>Four SRAs identified but cause no restrictions.</p>	<p>#30 – 2,863 BA available –approximately 7 acres required. (based on 1 Small Admin Org) #201 - Constraints listed include (4) limited ability to accept new or different missions due to availability of unconstrained land, (5) altered, modified or re-routed flight operations and/or flight patterns and (6) altered, modified or re-routed ground operations. #256 – 4 Sensitive Resource Areas identified but cause no restrictions CERL Encroachment Study – Moderate Encroachment Projected</p>
<p>Marine Mammals/Marine Resources/ Marine Sanctuaries</p>	<p>Installation has Federally listed species (Shortnosed Sturgeon, Bald Eagle), that restricts 17.2 acres of installation land. No impact expected - adequate buildable acreage should allow positioning away from species/habitat.</p>	<p>#248, #250, #252, #253 - No restrictions #249 – TES listed include Shortnosed Sturgeon (<i>Accipenser brevorostrum</i>) (restricting Poole's Island Shoal waters around island) and Bald Eagle (<i>Haliaeetus leucocephalus</i>), (restricting Poole's Island areas near nest sites, APG Shoreline & Areas near nest sites- affecting 17 SNM of waters)</p>
<p>Noise</p>	<p>No impact - no noise expected due to this proposal.</p>	<p>#239 – 235,848 acres of Noise Zone 2 extend outside installation, which is moderately encroached by development. #202 – Installation has published noise abatement procedures for main installation and training range but not for auxiliary airfield.</p>
<p>Threatened& Endangered Species/Critical Habitat</p>	<p>Installation has Federally listed species (Shortnosed Sturgeon, Bald Eagle), that restricts 7.9% of installation land. No impact expected - adequate buildable acreage should allow positioning away from species/habitat.</p>	<p>#259 – TES listed include Shortnosed Sturgeon (<i>Accipenser brevorostrum</i>) and Bald Eagle (<i>Haliaeetus leucocephalus</i>). The Bald Eagle has delayed operations due to protection of buffers around nests during nesting season on 7.9% of installation. #260 – No critical habitat identified #261 – Biological Opinion for Bald Eagle restricts range operations #262 – Development restrictions reported. Eagles: Existing Biological Opinions have limited impacts as they impose a monitoring responsibility primarily; some sites are protected. The ongoing Biological Assessment and subsequent Opinion will include an incidental take statement and some mitigation limits for some of the SOCOM training functions is expected. The extent of the limits is unclear, as the BA is still in development. Sturgeon: APG has a BA and BO from NOAA containing no limitations. APG is to coordinate with them if specific projects pose a risk. #263, #264 – No candidate species/habitat reported #201 - TES have restricted operations by limiting night flying times.</p>

Waste Management	No impact.	#269 – Interim RCRA Subpart X OB/OD Permit, Permit has been submitted #265- Has RCRA (TSD) facility. #272 – Not a permitted solid waste disposal facility
Water Resources	No impact expected. Water quality is impaired by pollutant loadings. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve US EPA water quality standards.	#276 – Installation not located over a sole-source aquifer #278 – McCarren Amend does not apply #293 – Potable water restrictions in FY99 (33 days), FY01 (134 days) and FY02 (147 days). Source restrictions to prevent exceeding withdrawal permits, FY99 (9% of time restriction in place), FY01 (37%), FY02 (40%) from CHPPM Water Resources Report. #291 – Installation uses one Gov't owned on-installation plant and one publicly owned off-installation plant for potable water. IREM indicates remaining capacity for potable water to support 33,500+ personnel #279 –Installation discharges to impaired waterway; nutrient discharges from installation further impair waterway but is not a source of potable water. #297 – Two Sewage treatment plants on site; 1 gov't owned, 1 privatized. #282 – 1 On-installation Industrial Gov't-owned wastewater treatment system #822, 824, 825, 826, ISRII – no restrictions reported
Wetlands	No impact.	#251- Survey completed 04/92. #257 – Wetlands affect 0.3% of range and installation each but do not restrict operations.

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Env Resource Area	<i>Losing Installation Assessment</i> Inst Name: ATEC Leased Site	Analyst Comments (& data source(s) that drive assessment)
Air Quality	N/A	Relocation of personnel away from leased sites has no environmental impact since bldg/facility owner is responsible for environmental compliance and impacts.
Cultural/ Archeological Resources	N/A	
Dredging	N/A	
Land Use Constraints/Sensitive Resource Areas	N/A	
Marine Mammals/ Marine Resources / Marine Sanctuaries	N/A	
Noise	N/A	
Threatened & Endangered Species/ Critical Habitats	N/A	
Waste Management	N/A	
Water Resources	N/A	
Wetlands	N/A	

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IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: Aberdeen PG	Losing Installation Inst Name: ATEC Leased
Environmental Restoration*	None.	None.
Waste Management	None.	None.
Environmental Compliance	<ul style="list-style-type: none"> -Air Conformity Analysis - \$25K-\$75K -New Source Review Analysis and - Permitting - \$100K-\$500K -Archeological/tribal resources inventory - \$25-\$100 per acre. - Historical building/structure inventory - \$500 - \$1,500 per structure -Evaluation to determine if arch/tribal site is significant - \$15K - \$40K per site - Evaluation to determine if historic buildings/structures are significant. -Conduct Tribal government to government consultation \$500 to \$2,000 per meeting -Develop Programmatic Agreement - \$10,000 -Endangered Species Management (includes monitoring) \$20K-\$2M -Install Best Management Practices to reduce non-point source runoff from training areas and ranges and protect impaired waterways - \$100K-\$3M -Re-alignment NEPA (EA) - \$100K. 	None.
COBRA Costs:	<ul style="list-style-type: none"> Air Conformity Analysis - \$50K. New Source Review - \$100K. NEPA (EA) - \$100K. 	None