

SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS
SCENARIO #IND-0083A (PIMS #577)

[TABS FINAL VERSION]

TITLE: IND-0083A REALIGN ROCK ISLAND

GENERAL DESCRIPTION: Please see proposed scenario for full description of proposal. The following are Army actions only: Candidate recommendation assumes an Industrial Joint Cross Service Group (IJCSG) Subgroup Maintenance scenario and recommendation which disestablishes depot maintenance functions at Rock Island Arsenal, IL and realigns Combat Vehicles and Other From Rock Island Arsenal, IL to Anniston Army Depot, AL; Other Equipment and Tactical Vehicles from Rock Island Arsenal, IL to Letterkenny Army Depot, PA.

This assessment is based on the following assumptions:

1. Scenario supports disestablishment of depot maintenance functions at Rock Island Arsenal, IL.
2. Overall, equipment is being used more but doesn't necessitate building new facilities – no MILCON planned.
3. Workload to Anniston is 114.04 DLH (K) or 120 personnel
4. Workload to Letterkenny is 25.826 DLH (K) or 27 Personnel

ANALYST: _____

LAST UPDATE: 04/27/05

Env Resource Area	#1 Gaining Installation Assessment Inst Name: Anniston AD	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No likely impact. Exceeds major source thresholds for VOC, Pb, PM10, NOx, methylene chloride, toluene, trichloroethylene and methyl ethyl ketone. Consider increased combat vehicle emissions. Air Conformity Analysis and permit modifications likely required.	#213 – N/A answer = in attainment for all criteria pollutants #211 – Exceeds major source thresholds for VOC, Pb, PM10 and NOx. #212- Exceeds major source thresholds for methylene chloride, toluene, trichloroethylene and methyl ethyl ketone. #220 – Holds 1 Major Operating Permit (SIC code 3497, 3471, 9711) and 2 Natural Minor Operating permits (SIC codes 9711, 3497) #222 – No Emissions Credit Trading program available #218 – No restrictions to operations reported due to air quality requirements
Cultural/Archeological/ Tribal Resources	No impact	#233- 100% of installation has been surveyed for cultural resources #235 – No Historic prop identified #230 – 0 arch resources reported on installation #231 – Native People sites identified #236 – Programmatic Agreement with SHPO #234 – N/A #232 – No areas with high archaeological potential identified.
Dredging	No impact	#226, #227, #228 – N/A

Land Use Constraints/ Sensitive Resource Areas	No impact	#30 – 1,445 BA available - 0 acres required. Existing facilities can likely absorb proposed activities. #201 – No constraints reported #256 – No Sensitive Resource Areas identified CERL-Moderate encroachment
Marine Mammals/ Marine Resources / Marine Sanctuarie	No impact	#248, #249, #250, #252, #253 - No restrictions
No ise	No impact	#239 – N/A = installation does not have noise contours that extend off installation.
Threatened & Endangered Species/ Critical Habitat	TES include Tennessee Yellow-eyed Grass but does not impact operations. Additional operations may impact TES, candidate species, and/or critical habitats, possibly leading to restrictions on operations.	#259 – TES listed include Tennessee Yellow-eyed Grass (<i>Xyris tennesseensis</i>) on installation, no restrictions reported. #260 – No critical habitat identified #261 – No Biological Opinion reported #262 – No development restrictions reported. #263, #264 – No candidate species/habitat reported
Waste Manageme nt	No impact.	#269 – Installation has RCRA Subpart X OB/OD Permit #265- Has RCRA TSD facility. #272 – Not a permitted solid waste disposal facility
Water Resources	Installation located over a sole -source aquifer – consider need for additional mitigation measures/pollution prevention with increased depot maintenance activities to protect aquifer. May require upgrades to industrial wastewater treatment plant due to increased depot maintenance activities.	#276 – Installation located over a sole -source aquifer #278 – McCarren Amend does not apply #293 – N/A answer = assume no potable water restrictions #291 – Installation uses one publicly owned off-installation plant for potable water. IREM indicates remaining capacity for potable water to support 27,184 pers #279 – Installation does not discharge to impaired waterway #297 – One on-military installation gov’t owned plant – reports maximum peak daily outflow more than maximum design capacity #282 – Industrial Gov’t owned wastewater treatment system located on installation. #822, 824, 825, 826, ISRII – no restrictions reported
Wetlan ds	No impact	#251- Survey completed 11/95. #257 – Wetlands affect 0.7% of installation but do not restrict operations.

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Env Resource Area	#2 Gaining Installation Assessment Inst Name: Letterkenny AD	Analyst Comments (& data source(s) that drive assessment)
Air Quality	<p>Impact expected. Letterkenny AD is in marginal non-attainment for Ozone, and exceeds Major Source thresholds for Pb, SO₂, PM₁₀ and PM_{2.5}.</p> <p>Consider increased tactical vehicle emissions. Air Conformity Analysis required.</p>	<p>#213 – In marginal non-attainment for Ozone (1-hour and 8-hour)</p> <p>#212- Exceeds Major Source Threshold for Hydrogen Chloride</p> <p>#211 –Exceeds Major Source thresholds for Pb and SO₂, PM₁₀ and PM_{2.5}.</p> <p>#220 – Holds 1 Major Operating Permit (SIC code 9711 - Title V Permit # 28-5002)</p> <p>#222 – Emissions Credit Trading program available for NO_x and VOCs</p> <p>#218 – No restrictions to operations reported due to air quality requirements</p>
Cultural/Archeological/Tribal Resources	No impact	<p>#233- 100% of installation has been surveyed for cultural resources.</p> <p>#235 – No historic prop identified</p> <p>#230 – 345 potential historical period sites which are foundations ruins of old demolished farmsteads. These buildings were demolished when Letterkenny was established in 1942-43. No restrictions reported.</p> <p>#231 – No Native People sites identified</p> <p>#236 – No Programmatic Agreement</p> <p>#234 – No tribal interest</p> <p>#232 –1855 acres were identified as potential high probability areas. ICRMP. Areas were determined based on predictive model.</p>
Dredging	No impact	#226, #227, #228 – N/A
Land Use Constraints/Sensitive Resource Areas	No impact	<p>#30 – 2,183 BA available – 0 acres required. Existing facilities can likely absorb proposed activities</p> <p>#201 – 1 Constraint identified on main base (“Other”(6) – altered modified or re-routed ground operations, per data call printout), no restrictions reported.</p> <p>#256 – No Sensitive Resource Areas identified CERL-minimal encroachment</p>
Marine Mammals/ Marine Resources / Marine Sanctuarie	No impact	#248, #249, #250, #252, #253 - No restrictions

Noise	No impact	#239 – Installation does not have noise contours that extend off installation. Letterkenny has requested and been nominated by HQDA for a FY 04 JLUS. Letterkenny is currently working very closely with DOD OEA and the local community to initiate the JLUS in the next couple months (Anticipate start date of Jun 04) and anticipate no problems with this effort.
Threatened & Endangered Species/Critical Habitat	No impact	#259 – No TES listed #260 – No critical habitat identified #261 – No Biological Opinion #262 – No development restrictions reported. #263, #264 – No candidate species/habitat reported
Waste Management	No impact.	#269 – Interim RCRA Subpart X OB/OD Permit #265- No RCRA (TSD) facility. #272 – Not a permitted solid waste disposal facility
Water Resources	No impact	#276 – Installation not located over a sole-source aquifer #278 – McCarren Amend does not apply #293 – No reported potable water restrictions. #291 – Installation uses one On Military Installation Govt Privatized Plant IREM - remaining capacity for potable water to support 7,000+ pers; #279 – Installation does not discharge to impaired waterway #297 – 1 On Military Installation Privatized STP – Daily peak outflow permit exceedences reported #282 – On Military Installation Govt Owned Wastewater Treatment Plant #822, 824, 825, 826, ISRII – no restrictions reported
Wetlands	No impact	#251- Survey completed 10/99 #257 – Wetlands restrict 2% of installation but do not restrict operations.

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Env Resource Area	<i>Losing</i> Installation Assessment Inst Name: Rock Island Arsenal	Analyst Comments (& data source(s) that drive assessment)
Air Quality	None	Environmental impact to losing installation is considered neutral or positive to all ten resource areas
Cultural/ Archeological Resources	None	
Drinking	None	
Land Use Constraints/Sensitive Resource Areas	None	
Marine Mammals/Marine	None	
Noise	None	
Threatened & Endangered Species/Critical Habitat	None	
Waste Management	None	
Water Resources	None	
Wetlands	None	

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IMPACTS OF COSTS

Env Resource Area	Gaining Installations Inst Name: Anniston AD, Letterkenny Army Depot	Losing Installations Inst Name: Rock Island Arsenal
Environmental Restoration*	None	None
Waste Management	None	None
Environmental Compliance	<p>Anniston: -Realignment NEPA at gaining base – industrial-\$1M (EIS) -Endangered Species Management (includes monitoring) - \$20K-\$2M -Air Conformity Analysis-\$25K-\$75K (includes no mitigation costs) Letterkenny: -Air Conformity Analysis -\$25K-\$75K (includes no mitigation costs) -Realignment NEPA at gaining base – industrial-\$1M (EIS)</p>	None
COBRA Costs:	<p>Anniston -Realignment NEPA-\$1M (EIS) -Air Conformity Analysis-\$50K Letterkenny: -Air Conformity Analysis -\$50K -Realignment NEPA-\$1M (EIS)</p>	None