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

SCENARIO #640 **TITLE: IND-0112v2 CLOSE RIVERBANK AAP**

GENERAL DESCRIPTION: Close Riverbank Army Ammunition Plant. Relocate the artillery, mortar, and tank metal parts functions to Rock Island Arsenal.

Assumptions:
1. No new personnel or MILCON at Rock Island Arsenal

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

Env Resource Area	*Gaining* Installation Assessment Inst Name: Rock Island Arsenal	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Impact Expected. The receiving installation is in attainment for all NAAQS. Addition of operations at the receiving installation will require New Source Review permitting. A more detailed emission analysis will be required to determine regulatory impact of new activities.	#213 - In attainment for all criteria pollutants #211 – Currently over permit limit for CO, PM10, Pb #212 - No permit/thresholds exceeded. #218/ISR - no AQM impact to mission. #220 – Title V Major Operating Permit
Cultural/Archeological/ Tribal Resources	No Impact. Installation has 65 historic properties identified but no archeological/burial sites and no restrictions.	#233 - 75% of installation surveyed #235 65 historic properties #231 - Native people sites identified #236 - No programmatic agreement ISR/230/201 - No impact to mission #230 – Archaeological resources identified, no restrictions reported #232 – Sites with high potential for archaeological resources identified #234 – Tribes have not asserted interest
Dre dg- ing	No impact	#226-228 – N/A
Land Use Constraints/Sen sitive Resource Areas	No impact	#30 - >300 BA reported; 84 acres required (based on est. equiv of a small depot being moved). #201 – No additional constraints projected #254 / 256 - No constraints reported CERL Study – High encroachment projected
Marin e Mamm als/Ma rine Resou rces/	No Impact	#248-250, 252, 253 – N/A
Noise	No impact	#239 - No noise contours off-installation

Threatened& Endangered Species/Critical Habitat	Federally listed species includes Bald Eagle, with no impact to mission or training land. Threatened / Endangered species exist but do not currently impact operations. Additional operations may impact TES possibly leading to restrictions on operations.	#259 - 1 TES identified (Bald Eagle) - no restrictions. #260-264 - None
Waste Manage ment	No impact.	#265 - No RCRA TSD Facility #269 - No RCRA Subpart X Permit #272 - No permitted solid waste disposal facility
Water Resources	Water quality impaired by pollutant loadings. Current operations may contribute to impaired water quality. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve USEPA Water Quality Standards.	#293/ISR - no restrictions No water constraints. #297 – Installation uses publicly owned off-installation sewage treatment plant #276 – Not located over a sole-source aquifer #279 – Installation discharges to impaired waterway #282 – On-installation publicly owned industrial wastewater plant IREM indicates infrastructure to support additional 12,030 personnel; scenario adds 10 personnel -
Wetlands	No impact	#251 - wetlands survey completed 9/99 #259 - wetlands restrict 3.5% of installation

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); SCENARIO #640

Env Resource Area	*Losing* Installation Assessment Inst Name: Riverbank AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact	#213 – In non-attainment for several criteria pollutants
Cultural/Archeological/Tribal Resources	No impact	#230, 231, 232, 235 – no archeological sites, historical sites, Native People's sites, or sites of high archeological potential
Dredging	No Impact	#227 – N/A
Land Use Constraints/Sensitive Resource Areas	No Impact	#240 – DERA sites reported – CTC is $10.5M; $50.2M spent thru FY03. Q#273 – No MMRA sites No operational ranges.
Marine Mammals/Marine Resources	No Impact	#248-250, 252, 253 – N/A
Noise	No Impact	#239 – N/A
Threatened& Endangered Species/Critical Habitat	Continued management and/or deed restrictions will be necessary to ensure future protection of federally listed species.	#259, 260, 263 – No listed or endangered species or critical habitat proposed #264 – Critical habitat present – Elderberry plants in evaporation/percolation ponds
Waste Management	Restoration, monitoring/sweeps, access controls, and/or deed restrictions may be required for these areas to prevent disturbance, health and safety risks, and/or long-term release of toxins to environmental media. Installation has domestic wastewater treatment facility that may require cleanup.	#265 - Has a RCRA TSD facility #269 - No Subpart X #272 - No permitted solid waste disposal #297 - 1 off-installation publicly-owned domestic ww treatment plant.
Water Resources	Environmental media contamination issues at the installation include cyanide and hexavalent chromium groundwater contamination. Restoration and/or monitoring of contaminated media will likely be required after closure in order to prevent significant long-term impacts to the environment.	#275 –Cyanide and hexavalent groundwater contamination #281 No surface water contamination
Wetlands	No Impact	#251 – Wetlands survey completed 09/97 #257 – No wetlands present

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);
SCENARIO #640

IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: Rock Island Arsenal	Losing Installation Inst Name: Riverbank AAP
Environmental Restoration*		#240 – DERA sites reported – CTC is $10.5M No MMRAs No operational ranges
Waste Management		Restoration/monitoring of hazardous waste sites $500K-$10M + (notional)
Environmental Compliance	-Air Conformity Analysis - $25K-$75K (includes no mitigation costs) -New Source Review Analysis and Permitting - $100K-$500K -Endangered Species Management (includes monitoring) -$20K-$2M -ESA Consultation (BA Prep) -$10K-$100K -Realignment NEPA at gaining base – industrial-$1M (EIS)	-Controlled burning/ decontamination/ demolition of industrial structures/buildings heavily contaminated with explosives/metals -$1M-$10M Environmental Baseline Survey -(EBS) $200K-$300K Asbestos/Lead-based paint removal - $200K-$1M Access controls/caretaker management - $500K-$1M (annual)
COBRA Costs:	-Air Conformity Analysis - $50K -New Source Review Analysis and Permitting - $100K -Realignment NEPA at gaining base – industrial-$1M (EIS)	EBS plus disposal EIS - $1.3M