

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS**  
**SCENARIO #644**

**[TABS FINAL VERSION]**  
**TITLE: IND-0116V2 REALIGN INDIAN HEAD**

**GENERAL DESCRIPTION:**

THE ARMY IS AFFECTED BY 4 ACTIONS:

1. REALIGN 5" NAVY GUN PROJECTILE FROM INDIAN AND SIGNALS FROM AND GRENADES (PBX) FROM INDIAN HEAD TO CRANE ARMY DEPOT WITH 4 PERSONNEL BEING MOVED AND NO NEW CONSTRUCTION
2. REALIGN BOMB ENERGETIC PRODUCTION WORKLOAD FROM NAVY SURFACE WARFARE CENTER DIVISION, INDIAN HEAD, MD TO MCALESTER ARMY AMMUNITION PLANT, OK WITH NO PERSONNEL MOVES OR NEW CONSTRUCTION.

**ANALYST:**

**LAST UPDATE: 27 APRIL 2005**

Env Resource Area	#1 Gaining Installation Assessment Inst Name: Crane AD	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Likely no impact. Air permit modifications required due to reported threshold exceedences and addition of signal and grenade/explosive activities. Air Conformity Analysis required.	#213 – Installation is in attainment area for all criteria pollutants. #211 - Exceeded major source threshold limits for NOX, PM10 and CO. #212-No permit limits reported #220 -Major operating permit #218/ISR2 - No mission impact indicated.
Cultural/Archeological/Tribal Resources	Likely no impact; no new construction required.  Cultural/archaeological/historical resources currently restrict operations. Additional operations may impact these resources, which may lead to restrictions on these operations as well.  A very limited portion of the installation has been surveyed for cultural resources (<5%); therefore, the extent of cultural resources on the installation and impacts to these resources is uncertain.	#201 No constraints #229, 231 No cemeteries/native people's sites #233 - 2.34% installation surveyed #230 - 63 archeological resources; most restrict future construction and training/operations #232 - High potential for arch sites #234 - No tribes have asserted interest; #235 - 3 historic districts with 64 total resources; 185 acres affected #236 - Programmatic Agreement in place. ISR2 - No adverse impact to mission.
Dredging	No Impact	No dredging impacts for this scenario.
Land Use Constraints/Sensitive Resource Areas	No Impact	#30 - 5,429 buildable acres available and 0 needed. #254, #256 No SRA restricting training/mission CERL-Minimal encroachment
Marine Mammals/Marine Resources/Sanctuaries	No Impact	There are no impacts to marine resources from this proposal.

<b>Noise</b>	No Impact.	#239 - Currently has Noise Zone 2 contours off the installation but no incompatible land use on these areas.
<b>Threatened &amp; Endangered Species/Critical Habitat</b>	No Impact. TES on installation include the Indiana Bat and Bald Eagle.  TES already restrict operations. Additional operations may further impact TES, leading to additional restrictions on operations.	#249 - No restrictions #259 - 2 Federal TES species (Indiana Bat, Bald Eagle) on site, affects 80 acres (no destruction of trees 600 feet radius distance from nesting site during certain times) #260 - No critical habitat #261 - No biological opinion #262 - No restrictions #263, 264 - No candidate species, no proposed habitat
<b>Waste Management</b>	No Impact.	#269 – Has RCRA Subpart X Permit #265 – Has hazardous waste TSD facility #272 – Has SWDF; 70% filled
<b>Water Resources</b>	Likely No Impact. 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.  Wastewater permit modifications/pollution prevention measures may be required due to additional workload.	#276 Installation not over a recharge zone #278 Not subject to McCarren Act #279 Installation does discharge into impaired waterway (E.coli)– which is source of drinking water #293 No potable water restrictions #282 Numerous On Military Installation Govt Owned Plants for industrial wastewater treatment. Significant industrial wastewater treatment capacity on installation. IREM indicates water infrastructure can support additional 1,020 personnel #291-1 On Military Installation Govt Owned Plant for potable water #297-1 On Military Installation Govt Owned Plant for sewage treatment
<b>Wetlands</b>	No Impact.	#251 - Installation surveyed on 6/98 #257 - 5% of the installation has restricted wetlands (no dredging)

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);  
SCENARIO # IND-0116V2 (644)**

Env Resource Area	#2 Gaining Installation Assessment Inst Name: <u>McAlester AAP</u>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Likely No Impact. Although no transfer of personnel, permit and threshold exceedences have been reported. Additional activity will require Air Conformity Analysis.	#211 – Threshold exceedences reported for PM10 and VOC #212-Exceed major source threshold for Manganese #213 In attainment for CO and Ozone (1 hour) rest are “unclassifiable” (Per EPA website, considered in attainment) #218/ISR2 No mission impact indicated #220 Major Operating Permit, Title V permits for installation.
Cultural/Archeological/Tribal Resources	Likely no impact due to no new construction required.  A very limited portion these installation has been surveyed for cultural resources (<5%); therefore, the extent of cultural resources on the installation and impacts to these resources is uncertain.	#201 No constraints #229, 231 No cem/native people’s sites #230 No arch resources identified. #232- High potential for arch sites #233 – 4.45% of installation surveyed #234 – Choctow, Caddo, Quapaw, Wichita, Chickasaw, have asserted interest in some archeological resource #235 – 5 Historic districts identified with 210 historic properties #236 – No Prog. Agreement in place ISR2 - no adverse impact to mission.
Dredging	No Impact	No dredging impacts for this scenario.
Land Use Constraints/Sensitive Resource Areas	No Impact	#30 - 28,290 buildable acres available, 0 acres required #254 -No SRAs restricting training/mission #256 -No SRAs nearby CERL-Minimal Encroachment
Marine Mammals/Marine Resources/Sanctuaries	No Impact	There are no impacts to marine resources from this proposal.
Noise	No Impact	#239 - No Noise contours that extend offsite.

<b>Threatened &amp; Endangered Species/Critical Habitat</b>	No Impact. TES on installation include American Burying Beetle and restrict operations. Additional operations may further impact TES, leading to additional restrictions on operations.	#249 - No restrictions #259 - 1 species (American Burying Beetle) inhabits main installation area (soil disruptions of >5 acres must be coordinated with USFWS) #260 - No critical habitat #261 - No biological opinion #262 - No restrictions #263, 264 - No candidate species, no proposed habitat
<b>Waste Management</b>	No Impact	#269- Installation has a RCRA X Permit (interim or final status not specified) #265 – Has hazardous waste TSD facility (RCRA Part B Permit) #272 – Has SWDF; 33% filled
<b>Water Resources</b>	Likely No Impact.  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.  Wastewater permit modifications/pollution prevention measures due to additional workload likely required.	#276 Installation not over a recharge zone #278 Not subject to McCarren Act #279 Installation discharges to an impaired waterway (organic loading), but current operations do not further impair waterway #293 No potable water restrictions #282 Installation uses one On Military Installation Gov't-Owned Plant for industrial wastewater treatment #297 – Installation uses one On Military Installation Gov't-Owned STP #291-1 On Military Installation Gov't-Owned Plant for potable water IREM -infrastructure can support additional 1,974 personnel
<b>Wetlands</b>	No Impact	#251 Installation surveyed 9/20/99 #257 6.86% of installation is constrained by wetlands.

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);  
 SCENARIO # **644**(IND-0116)

***IMPACTS OF COSTS***

Env Resource Area	Gaining Installation Inst Name: Crane AD, McAlester AAP	Losing Installation Inst Name: N/A
Environmental Restoration*	None for both installations.	Closing installation is DON base. Closure assessment to be completed by DON.
Waste Management	None for both installations.	Closing installation is DON base. Closure assessment to be completed by DON.

<p><b>Environmental Compliance</b></p>	<p><b><u>Crane:</u></b>                  -Air Conformity Analysis -\$25K-\$75K (incl no mitigation costs)                  -Archaeological/tribal resources inventory -\$25-\$100 per acre                  -Historic building/structure inventory -\$500-\$1,500 per building/structure depending on size, quantity and location                  -Evaluation to determine if arch/tribal site(s) is significant - \$15K-\$40K per site                  -Evaluation to determine if historic buildings/structures are significant -\$1K-\$2K per building depending on size, complexity and location                  -Mitigation of archaeological site by data recovery IAW PA - \$25K-\$500K per site depending on complexity                  -Mitigation of historic buildings by HABS' HAER recordation IAW PA -\$5K-\$25K per building                  -Realignment NEPA – \$1M (EIS- industrial)                  -Endangered Species Management (includes monitoring) -\$20K-\$2M                  -Install Best Management Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges -\$100K-\$3M</p> <p><b><u>McAlester:</u></b>                  -Air Conformity Analysis -\$25K-\$75K (incl no mitigation costs)                  -Archaeological/tribal resources inventory -\$25-\$100 per acre                  -Historic building/structure inventory -\$500-\$1,500 per building/structure depending on size, quantity and location                  -Evaluation to determine if arch/tribal site(s) is significant - \$15K-\$40K per site                  -Evaluation to determine if historic buildings/structures are significant -\$1K-\$2K per building depending on size, complexity and location                  -Develop PA -\$10K                  -Conduct Tribal gov't-to-gov't consultation -\$500-\$2K per meeting                  -Realignment NEPA – \$1M (EIS- industrial)                  -Endangered Species Management (includes monitoring) -\$20K-\$2M                  -Install Best Management Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges -\$100K-\$3M</p>	<p>Closing installation is DON base. Closure assessment to be completed by DON.</p>
<p><b>COBRA Costs:</b></p>	<p><b><u>Crane:</u></b>                  -Air Conformity Analysis -\$50K                  -Realignment NEPA – \$1M (EIS- industrial)</p> <p><b><u>McAlester:</u></b>                  -Air Conformity Analysis -\$50K                  -Realignment NEPA – \$1M (EIS- industrial)</p>	<p>Closing installation is DON base. Closure assessment to be completed by DON.</p>