

SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS
SCENARIO #649

[TABS FINAL VERSION]
TITLE: IND-0121V3 REALIGN YORKTOWN

GENERAL DESCRIPTION: Realign NSWC Indian Head, Detachment Yorktown, VA. Relocate Bomb Energetic production functions to McAlester AAP. Relocate PBX Production and load for the Zuni to NSWC Indian Head. Relocate demo charges production to Iowa AAP.

THE ARMY IS AFFECTED BY 2 ACTIONS:

1. REALIGN DEMO CHARGES FROM WEAPON STATION YORKTOWN, NSWC INDIAN HEAD DIVISION, DETACHMENT YORKTOWN, VA TO IOWA AAP
2. REALIGN BOMB ENERGETIC PRODUCTION WORKLOAD FROM WEAPON STATION YORKTOWN, NSWC INDIAN HEAD DIVISION, DETACHMENT YORKTOWN, VA TO MCALESTER ARMY AMMUNITION PLANT, OK.

NOTES: INDIAN HEAD IS A DON INSTALLATION AND ASSESSMENT OF CLOSURE OF INDIAN HEAD WILL BE HANDLED BY DON. THIS SCENARIO INVOLVES NO NEW CONSTRUCTION (ONLY MINOR UPGRADES, FACILITIZATION AND RETOOLING) AND NO TRANSFER OF PERSONNEL.

ANALYST:

LAST UPDATE: MARCH 24, 2005

Env Resource Area	#1 Gaining Installation Assessment Inst Name: Iowa AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No likely impact.	#213 – In attainment for all criteria pollutants #211 –No exceedences reported #212-No exceedences reported #220 – Holds 1 Major Operating Permit (SIC code 9711, 3483) and has a Title V application on file with the State; however, a permit has not been issued. #222 – No Emissions Credit Trading program available #218 –Restrictions reported on open burning operations for installation due to IDNR regulations on open burning restrictions/ban.
Cultural/Archeological/Tribal Resources	No impact. No construction required. Cultural resources currently restrict operations. Additional operations may impact these resources, which may lead to restrictions on these operations as well.	#233- Installation 100% surveyed #235 – No historic prop identified #230 – 291 Known historic and prehistoric arch sites, restricts future construction and trng/opns. No restrictions within chain-link fenced production areas. Addit'l survey req'd on agricultural land if ground disturbance is > 8". All other areas require addit'l survey work for any ground disturbance. #231 – Native People sites identified #236 – No Progr. Agreement with SHPO #234 – 3 tribes assert interest in archaeological sites, rare interaction #232 – Areas with high arch potential identified
Dredging	No Impact - no dredging required for scenario.	#226, 227, 228 – Not applicable

Land Use Constraints/Sensitive Resource Areas	No Impact. Two SRAs identified but cause no restrictions.	#30 – 2,806 BA available, 0 required. #201 – No constraints reported #256 – 2 Sensitive Resource Areas identified but cause no restrictions CERL-Moderate encroachment
Marine Mammals/ Marine Resources / Marine Sanctuaries	No impact	#248, #249 #250, #252, #253 - No restrictions
Noise	No impact - no major noise expected due to this proposal.	#239 – Installation does not have noise contours that extend off installation.
Threatened & Endangered Species/Critical Habitat	No impact. TES on installation include Indiana Bat (<i>Myotis sodalists</i>), which has delayed operations for training on smoke or blank ammunition from March 15 to October 31 and prohibits tree cutting from April 1 to September 30. Impacts 27% of installation. TES already restrict operations. Additional operations may further impact TES leading to additional restrictions on operations.	#259 – TES on installation include Indiana Bat (<i>Myotis sodalists</i>), which has delayed operations for training on smoke or blank ammunition from March 15 to October 31 and prohibits tree cutting from April 1 to September 30. Impacts 27% of installation. #260 – No critical habitat identified #261 – No Biological Opinion #262 – No development restrictions reported. #263, #264 – No candidate species/habitat reported #201 – No restrictions reported
Waste Management	No impact.	#269 – Installation has RCRA Subpart X OB/OD Permit, and Iowa AAP interim RCRA Part B permit for OB/OD, submitted 11/1988. #265- Has RCRA (TSD) facility. #272 –Has permitted solid waste disposal facility, 85% filled.
Water Resources	Likely No Impact. Wastewater permit modifications/pollution prevention measures due to additional workload likely required.	#276 – Installation not located over a sole-source aquifer #278 – McCarren Amend does not apply #293 – No potable water restrictions #291 – Installn uses one publicly owned off-installn plant for potable water. IREM indicates remaining capacity for potable water to support 4,385 personnel (0 added); #279 –Installation does not discharge to impaired waterway #297 – Two On Military Installation Govt Owned Sewage Treatment Plants #282 – Industrial Gov't owned wastewater treatment system located on installation. #822, 824, 825, 826, ISRII – no restrictions reported
Wetlands	No impact.	#251- Survey completed 08/99. #257 – Wetlands affect 0.6% of installation, restrict operations by avoiding wetlands if possible and obtain permit if required.

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Env Resource Area	#2 Gaining Installation Assessment Inst Name: McAlester AAP	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	No impact. 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 Resource	No Impact	There are no impacts to marine resources from this proposal.
Noise	No Impact	#239 - No Noise contours that extend offsite.
Threatened & Endangered Species/Critical Habitat	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

Waste Management	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
Water Resources	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; scenario adds 0
Wetlands	No Impact	#251 Installation surveyed 9/20/99 #257 6.86% of installation is constrained by wetlands.

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IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: Iowa AAP, 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.
Environmental Compliance	<p><u>Iowa:</u> -Realignment NEPA – \$1M (EIS- industrial) -Endangered Species Management (includes monitoring) - \$20K-\$2M</p> <p><u>McAlester:</u> -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</p> <p>-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>	Closing installation is DON base. Closure assessment to be completed by DON.
COBRA Costs:	<p><u>Iowa:</u> -Realignment NEPA – \$1M (EIS- industrial)</p> <p><u>McAlester:</u> -Air Conformity Analysis -\$50K -Realignment NEPA – \$1M (EIS- industrial)</p>	Closing installation is DON base. Closure assessment to be completed by DON.