

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS**

**[TABS FINAL VERSION]**

**SCENARIO #641**

**TITLE: IND-0113V\_2 REALIGN SIERRA ARMY DEPOT**

**GENERAL DESCRIPTION:** Realign Sierra Army Depot. Relocate demilitarization workload to Tooele Army Depot.

This assessment is based on the following assumptions:

1. BRAC action is re-alignment, not closure.
2. No personnel or facilities are added to Tooele AD, McAlester AD or Crane AD under this proposal.

**ANALYST:** \_\_\_\_\_

**LAST UPDATE: 29 APRIL 2005**

Env Resource Area	#1 Gaining Installation Assessment Inst Name: Tooele AD	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	#213 In attainment for all pollutants per State Division of Air Quality web site <a href="http://www.airquality.utah.gov/planning/nonattainment.htm">http://www.airquality.utah.gov/planning/nonattainment.htm</a> . #211 - No permit/Major Source thresholds reported #214 Not projected to be in non-attainment areas #212 No Top 5 Haz. Pollutants reported #218/ISR No restrictions #220 No Permits (reported N/A)
Cultural/Archeological/Tribal Resources	2 archeological/sacred burial sites identified causing restrictions on training. No historic property identified. One tribe asserts interest in archaeological resources. A potential impact may occur as a result of increased time delays and negotiated restrictions. Since there is no Programmatic Agreement in place, potential impacts may occur, since resources must be evaluated on a case-by-case basis.  Cultural/archaeological/historical resources currently restrict operations. Additional operations may impact these resources, which may lead to restrictions on these operations as well. Likely no impact; no new construction required.	#229, 231 No cemeteries/native people's sites #233 48% installation surveyed #235 No Historic properties/districts identified #230 2 archeological/sacred burial sites identified and one site restricts training in 150-acre area. #234 Skull Valley Band of Goshute Indians has asserted interest in some archeological resource – contact is rare #236 No programmatic Agreement
Dredg-ing	No impact.	No dredging impacts for this scenario.
Land Use Constraints/Sensitive Resource Areas	No impact.	#30 12,360 buildable acres available available, none required for this proposal. #201 No constraints #254, #256 No SRA restrictions CERL Study – Minimal encroachment

Marine Mammals/Marine Resources/Marine Sanctuaries	No impact.	There are no impacts to marine resources from this proposal.
Noise	No impact.	#239 Installation has 18.7 acres of Noise zone II that extend off the installation boundaries, which is minimally encroached by development
Threatened & Endangered Species/Critical Habitat	No impact.	#249 No restrictions #259 No TES #260 No critical habitat #261 No biological opinion #262 No species restrictions #263, 264 No candidate species, no proposed habitat
Waste Management	No impact.	# 269 Gaining installation has a RCRA Part X Permit
Water Resources	No impact.	#276 Installation not over a recharge zone #278 Not subject to McCarren Act #279 Installation does not discharge into impaired waterway #282 No industrial waste water treatment plant #293 No potable water restrictions #297 Installation uses one On Military Installation Govt Owned Plant and one Off Military Installation Publicly Owned Plant for sewage treatment. On Installation Sewage Treatment plant may require upgrade based on reported permitted/maximum daily outflows #291- Installation uses one Off Military Installation Publicly Owned plant and one On Military Installation Govt Owned Plant for potable water. IREM reports infrastructure can support 608 additional personnel
Wetlands	No impact.	#251 - Wetlands survey completed 06/01 #257 -There are no jurisdictional wetlands on installation.

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);****SCENARIO #IND-0113V2\_2 (641)**

Env Resource Area	#2 Gaining Installation Assessment Inst Name: McAlester AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No Impact. Installation is in attainment for all criteria pollutants	#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	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. A potential impact may occur as a result of increased time delays and negotiated restrictions. Since there is no Programmatic Agreement in place, potential impacts may occur since resources must be evaluated on a case-by-case basis. Likely no impact; no new construction required.	#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	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.	#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 #IND-0113V2\_2 (641)**

Env Resource Area	#3 Gaining Installation Assessment Inst Name : Crane AD	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact. Installation is in attainment for all criteria pollutants.	#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	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. A potential impact may occur as a result of increased time delays and negotiated restrictions. Since there is no Programmatic Agreement in place, potential impacts may occur since resources must be evaluated on a case-by-case basis. Likely no impact; no new construction required.	#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.
Noise	No Impact.	#239 – 4,650 acres of Noise Zone 2 extend off installation, which is minimally encroached by development.

<b>Threatened &amp; Endangered Species/Critical Habitat</b>	<p>No Impact. TES on installation include the Indiana Bat and Bald Eagle.</p> <p>TES already restrict operations. Additional operations may further impact TES, leading to additional restrictions on operations.</p>	<p>#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</p>
<b>Waste Management</b>	No Impact.	<p>#269 – Has RCRA Subpart X Permit  #265 – Has hazardous waste TSD facility  #272 – Has SWDF; 70% filled</p>
<b>Water Resources</b>	<p>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.</p> <p>Wastewater permit modifications/pollution prevention measures may be required due to additional workload.</p>	<p>#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</p>
<b>Wetlands</b>	No Impact.	<p>#251 - Installation surveyed on 6/98  #257 - 5% of the installation has restricted wetlands (no dredging)</p>

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);**

**SCENARIO #IND-0113V2\_2 (641)**

Env Resource Area	<i>Losing</i> Installation Assessment Inst Name: <b>Sierra AD</b>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact	Environmental impact in all 10 areas is considered neutral or positive to losing installation.
Cultural/Archaeological/Tribal Resources	No impact	
Dredging	No impact	
Land Use Constraints/Sensitive Resource Areas	No impact	
Marine Mammals/Marine Resources/Sanctuaries	No impact	
Noise	No impact	
Threatened & Endangered Species/Critical Habitat	No impact	
Waste Management	No impact	
Water Resources	No impact	
Wetlands	No impact	

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**SCENARIO #IND-0113V2\_2 (641)**

***IMPACTS OF COSTS***

Env Resource Area	Gaining Installation Inst Name: <b>Tooele AD, Crane AD, McAlester AD</b>	Losing Installation Inst Name: <b>Sierra Army Depot</b>
Environmental Restoration*	None for all installations.	None.
Waste Management	None for all installations.	None.
Environmental Compliance*	<p><u>Tooele AD:</u> -Realignment NEPA at gaining base —\$100K (EA)</p> <p><u>McAlester AD:</u> -Realignment NEPA at gaining base —\$100K (EA) -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><u>Crane AD:</u> -Realignment NEPA at gaining base —\$100K (EA) -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>	None.
<b>COBRA Costs:</b>	<p><u>Tooele AD:</u> NEPA-\$100K (EA)</p> <p><u>McAlester AD:</u> NEPA-\$100K (EA)</p> <p><u>Crane AD:</u> NEPA-\$100K (EA)</p>	None.

\* Although this scenario involves industrial realignments, a cost of \$100K per installation for an EA was assigned (thereby deviating from the normally assigned \$1M EIS cost for industrial scenarios), due to the storage-based nature of these realignments and lack of construction or personnel involved.