

# **Final Finding of No Significant Impact:**

## **Iowa Army Ammunition Plant, Iowa**

### **Implementation of BRAC Actions**

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The 2002 Base Closure and Realignment law (commonly referred to as BRAC) amended the Defense Closure and Realignment Act of 1990, Public Law 101-510, by authorizing another round of realignments and closures in 2005. Iowa Army Ammunition Plant (IAAAP) has prepared an Environmental Assessment (EA) that evaluates the potential environmental and socioeconomic impacts associated with munitions functions being relocated from other installations. Specifically, the 155 Millimeter (MM) High Explosive (HE) ammunition and missile warhead functions at Kansas Army Ammunition Plant (AAP) are being relocated to IAAAP. In addition, the Family of Scatterable Mines (FASCAM) and detonators/relays/delays functions at Lone Star AAAP in Texas are being relocated to IAAAP. These actions reflect the recommendations of the BRAC Commission.

The actions evaluated in the EA are the components of a major federal action, which must be evaluated under the National Environmental Policy Act (NEPA). The attached EA, which is incorporated by reference, was prepared pursuant to 32 Code of Federal Regulations Part 651 and U.S. Council on Environmental Quality regulations (Title 40, U.S. Code, Parts 1500-1508) for implementing the procedural requirements of NEPA. In preparation of the EA, it was determined that no alternatives other than the proposed action would satisfy the purpose and need of the proposed action without greater costs and/or impacts to installation resources.

### **Description of the Proposed Action**

IAAAP proposes to use existing load, assembly, and pack (LAP) lines and storage facilities to accommodate the munitions functions being relocated from Kansas AAP and Lone Star AAP. The following active LAP lines at IAAAP would be used to accommodate the incoming munitions functions: Line 1 (FASCAM), Line 3A (155 MM HE), Line 4A (detonators/relays/delays), and Line 4B (missile warheads). Lines 3A and 4A would be remodeled as necessary to accommodate the respective incoming munitions functions. Lines 1 and 4B would not require remodeling. Existing storage areas throughout IAAAP would be used to store munitions parts and equipment. The storage areas that would be used would not require remodeling.

The remodeling of Lines 3A and 4A would primarily involve modifications to portions of the facility interiors and upgrades to the existing utility systems. All remodeling work would be confined to existing disturbed areas. Facility interior modifications would include remodeling of floor plans to support LAP capabilities; construction of shop and storage rooms; and modifications to loading dock facilities. Utility upgrades would include electrical, water, sewer, gas, compressed air, steam, and cooling water distribution systems. The remodeling of Line 4A would also include the construction of an industrial waste treatment system to treat the new waste streams that would be generated.

The remodeled lines would be able to accommodate the incoming munitions functions fully, with no additional administrative facilities required. The supporting infrastructure currently in place at IAAAP would be used for rail service, access roads/bridges, storm drainage and detention

systems, information systems, and antiterrorism/force protection measures. Because no new impervious areas would be created, there would be no change in storm water runoff or need for additional storm water control infrastructure. The proposed action would accommodate the current and incoming munitions functions at IAAAP. No new personnel would be required to support the projected LAP demand.

The proposed action is the preferred alternative in this analysis.

## **No Action Alternative**

The no action alternative would not satisfy the need for the proposed action, but was considered in the analysis to provide a baseline for comparison of impacts of the proposed action. Under the no action alternative, IAAAP would not remodel any of its facilities to accommodate the munitions functions being relocated from Kansas AAP and Lone Star AAP. The no action alternative would not implement the 2005 BRAC Commission's recommendations.

## **Environmental Consequences**

The EA evaluated potential impacts to land use, air quality, noise, geology and soils, water resources, biological resources, cultural resources, socioeconomics, transportation, utilities, and hazardous and toxic substances. No significant negative environmental or socioeconomic consequences were identified by the EA for the proposed action. No mitigation is required to reduce impacts to less than significant levels.

Under the proposed action, there would be no significant changes to the human or natural environment. Any impacts that the proposed action may have on the natural environment would be negligible. During the proposed remodeling of Lines 3A and 4A, there would be *de minimus* increases in air emissions from fugitive dust and construction vehicle exhaust emissions. The air emissions that would be generated by the production and test firing of the incoming munitions would cause *de minimus* impacts to air quality and are not expected to collectively exceed federal air quality thresholds. Construction-related noise would be temporary and the levels are expected to be negligible or not audible off post. Based on the low number of detonator and additional warhead test fires that would be conducted, noise levels would not increase significantly at the installation. Remodeling of Lines 3A and 4A would have minor impacts on soils during construction. The soils around the buildings are already disturbed. Sediment and erosion controls would be implemented during construction to prevent any indirect impacts to surrounding soils or surface waters. Construction activity that occurs on the facility exteriors may have a minor, temporary impact on vegetation, which consists mostly of mowed grass and sparse landscaping vegetation. After construction is completed, any affected areas would be restored to original vegetative conditions. The establishment and operation of staging areas for the remodeling, as well as general construction noise, may temporarily disturb wildlife. The immediate areas around the facilities provide poor to moderate quality wildlife habitat. Any disturbance experienced by wildlife would be limited to the construction period and is expected to be minimal.

The remodeling of Lines 3A and 4A would not have a significant impact on the structural integrities of the facilities. Remodeling of the facilities would temporarily increase traffic at IAAAP during the construction period; however, the projected increase in traffic is not expected to burden the road system in or around the installation significantly. All hazardous waste generated by the production process would be handled, stored, and disposed in accordance with all applicable environmental regulations and with all hazardous materials management plans implemented at

IAAAP. As part of the proposed action, IAAAP would upgrade the existing waste treatment system in Line 3A and install a new waste treatment system in Line 4A to treat the waste streams generated by the incoming munitions functions. The U.S. Army Corps of Engineers would obtain all necessary permits for the management of hazardous wastes generated by the incoming munitions.

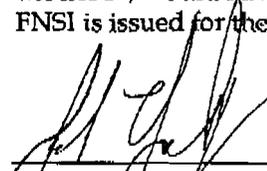
The remodeling and operation of the facilities would have little potential to interact with any past, present, or reasonably foreseeable future actions at or outside IAAAP. The proposed action would have minor positive effects on the local economy resulting from short-term, temporary increases in employment and expenditures during construction.

## Public Review and Comment

The EA and draft Finding of No Significant Impact (FNSI) underwent a 30-day public review during 16 March - 14 April 2007. The public review period was announced in a public notice that was published in the *Hawk Eye* newspaper out of Burlington, Iowa. Copies of the EA and draft FNSI were made available for public review during the review period on the BRAC website and at Burlington Public Library in Burlington, Iowa and at Danville Library in Danville, Iowa. No comments were received during the public review period.

## Conclusion

Based on the analysis presented in the EA, I find that implementation of the proposed action, as described, would have no significant impact on the human or natural environment. Therefore, a FNSI is issued for the proposed action and no Environmental Impact Statement is required.

  
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Jack T. Judy  
Lieutenant Colonel, U.S. Army  
Commanding IAAAP

APR 17 2007

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Date