

**Environmental Assessment**

**and**

**Finding of No Significant Impact**

**for**

**Aerospace Expeditionary Force**

**Deployment Center**

**Hill Air Force Base, Utah**

**25 March 2004**

## **Finding of No Significant Impact**

Hill Air Force Base (AFB) proposes to construct an addition to Building 900, which serves as the current deployment center, to house the Aerospace Expeditionary Force (AEF) Deployment Center and K-Loader Maintenance Center. This addition will consolidate transportation management and mobility training and support facilities needed to train and process AEF units that will deploy from Hill AFB. Currently, Hill AFB supports over 7,500 personnel and 2.7 million pounds of cargo for deployment of 32 units on base. Mobility operations are currently carried out in 4 separate buildings, which are remote to the flight line, making the operation inefficient.

The new facility will be 229 feet wide and 240 feet long and will house the K-Loader Maintenance Pre-Pallet Storage, weapons storage vault, vertical storage for Mobility Bags and administrative space. The Transportation Management Operation (TMO) office and the Air Transportable Clinic (ATC) storage will also be housed in the new facility, greatly increasing the efficiency of deployment operations.

The K-Loader/Pre-Pallet Maintenance and built up storage will be equipped with an oil/water separator and a floor drain. The maintenance performed will include changing the oil, adding or changing hydraulic fluid and adding or changing antifreeze. There will be minimal storage of petroleum products, most will come on mobile maintenance trucks. Any storage of petroleum products would be in accordance with applicable regulations.

### **No Action Alternative**

The AEF Deployment Center would not be constructed and activities would continue as they are now with undersized, inefficient facilities. Equipment and supplies will continue to deteriorate from being stored in open storage areas. There would be no new impacts to the environment from this action. Building 830 currently houses the Mobility Bag storage, but is scheduled to be demolished in Fiscal Year (FY) 07. Temporary warehouse space will need to be provided when this occurs.

**Potential Impacts.** Three potential impacts were identified for this project, Installation Restoration, air quality and water quality.

**Air Quality.** Activities that disturb more than one-half acre during construction, land clearing, or general construction located within Davis County are required to operate within a fugitive dust control plan that includes measures to minimize fugitive dust generation (See Utah Air Conservation Rules (UACR) 307-309). Fugitive dust from any source shall not exceed 20 percent opacity on site or 10 percent opacity at the property boundary. Dust suppression includes water trucks and sprays, chemical stabilization and re-vegetation.

**Water Quality.** Proposed Action will be required to implement a storm water plan that includes ensuring that the building and the surrounding area, including the parking lot, is adequately drained and water is channeled into storm water drains. Any required permits can be obtained through Hill AFB Environmental Management Directorate EMC.

**Installation Restoration.** There are no remedial actions in place at this site. However, groundwater contamination has been identified in the area at a depth of 90-feet below ground surface. There are several monitoring points in the area that will need to be identified prior to any excavation or construction. Any excavation in an area of industrial activity presents the potential to encounter contaminated soil. Contact EMR if unusual odors or soil discoloration is observed during any excavation or trenching necessary to complete this project.

Due to the negligible effect of the construction of the AEF Deployment Center adjacent to Building 900, it is clearly not a major Federal action significantly affecting the quality of the human environment, therefore a Finding of No Significant Impact (FONSI) is appropriate and an Environmental Impact Statement is unnecessary

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**EPC Chairman**

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**Date**

# **Aerospace Expeditionary Force Deployment Center Environmental Assessment**

## **1.0 Purpose and Need for the Proposed Action**

Hill Air Force Base (AFB) proposes to construct an addition to Building 900, which serves as the current deployment center, to house the Aerospace Expeditionary Force (AEF) Deployment Center and K-Loader Maintenance Center. This addition will consolidate transportation management and mobility training and support facilities needed to train and process AEF units that will deploy from Hill AFB. Currently, Hill AFB supports over 7,500 personnel and 2.7 million pounds of cargo for deployment of 32 units on base. During Desert Storm many hours were spent supporting actual wartime deployments. As AEF demands and the number of deployments increase, the efficiency of the operation becomes extremely critical. Mobility operations are currently carried out in 4 separate buildings, which are remote to the flight line, making the operation inefficient.

## **1.1 Objectives met by construction of AEF Deployment Center Addition**

- Consolidation of transportation management and mobility training and support facilities
- Co-location of the Air Transportable Clinic (ATC) storage
- Co-location of Mobility Bags (MoBags) and weapons storage
- Compliance with DoD force protection requirements
- K-Loader maintenance space and storage

## **2.0 Description of Proposed Action and Alternatives**

### **2.1 Proposed Action**

Hill Air Force Base proposes to construct an addition to Building 900, which serves as the current deployment center, to house the Aerospace Expeditionary Force (AEF) Deployment Center and K-Loader Maintenance Center. This addition will consolidate transportation management and mobility training and support facilities needed to train and process AEF units that will deploy from Hill AFB. The new facility will support exercise, wartime and peacetime deployments. Currently, Hill AFB supports over 7,500 personnel and 2.7 million pounds of cargo for deployment of 32 units on base. During Desert Storm many hours were spent supporting actual wartime deployments. As AEF demands and the number of deployments increase, the efficiency of the operation becomes extremely critical. Mobility operations are currently carried out in 4 separate buildings, which are remote to the flight line, making the operation inefficient.

The new facility will have reinforced concrete footings, floor slabs, a structural steel frame and be 229 feet wide and 240 feet long and will house the K-Loader Maintenance Pre-Pallet Storage, a weapons storage vault, vertical storage for Mobility Bags and administrative space. The construction includes a deployment area with high bay mobility storage, administrative and break areas. Pavement, fencing and security lighting will be included. The Transportation Management Operation (TMO) office and the Air Transportable Clinic (ATC) storage will also be housed in the new facility, greatly increasing the efficiency of deployment operations.

The K-Loader/Pre Pallet maintenance and built up storage will be equipped with an oil/water separator and a floor drain. Maintenance performed will include changing the oil, adding or changing hydraulic fluid and adding or changing antifreeze. There will be minimal storage of petroleum products, most will come on the mobile maintenance trucks. Any storage of petroleum products would be in accordance with applicable regulations.

## **2.1 No Action Alternative**

The AEF Deployment Center would not be constructed and activities would continue as they are now with undersized, inefficient facilities. Equipment and supplies will continue to deteriorate from being stored in open storage areas. There would be no new impacts to the environment from this action. Building 830 currently houses the Mobility Bag storage, but is scheduled to be demolished in Fiscal Year (FY) 07. Temporary warehouse space will need to be provided when this occurs.

## Description of Existing Environment

### 3.0 Existing Conditions

The area around Building 900 consists of industrial facilities and some open ground.

The proposed site for construction is west of the building on existing asphalt.

Hill AFB is located approximately 15 miles north of Salt Lake City and 7 miles south of Ogden. Most of the base lies within Davis County, with the north western most corner in Weber County.

Davis County is designated by the U.S. Environmental Protection Agency (EPA) as a maintenance area for ozone and an attainment area for all other National Ambient Air Quality Standards (NAAQS). Weber County is in attainment for all NAAQS.

Activities that disturb more than one-half acre during construction, land clearing, or general construction located within Davis County are required to operate within a fugitive dust control plan that includes measures to minimize fugitive dust generation (See Utah Air Conservation Rules (UACR) 307-309). Fugitive dust shall not exceed 20 percent opacity at the site or 10 percent opacity at the property boundary. Dust suppression includes water trucks and sprays, chemical stabilization and re-vegetation.

The National Historic Preservation Act (NRHP), Section 106 (36 CFR 800), and AFI 32-7065 require the Air Force to protect historic properties. Currently, there are no NRHP listed properties on Hill AFB. Over three hundred eligible and potentially eligible historic architectural resources have been identified within Hill AFB (Integrated Cultural Resources Management Plan 2004). The majority of these structures date to the late 1930s and early 1940s and also include Cold War properties. There are three proposed NRHP districts: the Ogden Arsenal/Ogden Air Materiel Area (AMA) Historic District, the Hill Field Historic Housing District, and the Strategic Air Command (SAC) Alert Historic District. Building 900 has not been designated as a historical structure.

Isolated prehistoric artifacts have been recorded on Hill AFB, but no prehistoric archaeological sites have been documented. There are no known archaeological sites in the immediate area. No Traditional Cultural properties have been identified on Hill AFB.

No known threatened, endangered, declining or limited wildlife species inhabit the base.

# Environment Consequences of the Proposed Action and Alternatives

## 4.1 Air Quality

### 4.1.1 Proposed Action

The Proposed Construction will be required to comply with the Hill AFB Main Base Fugitive Dust Control Plan developed in accordance with Utah Administrative Code (UAC) R307-309, *Davis, Salt Lake and Utah Counties, Ogden City and Any Non-Attainment Area for PM<sub>10</sub>:Fugitive Emissions and Fugitive Dust* and UAC R307-205 *Emission Standards: Fugitive Emissions and Fugitive Dust*. Fugitive dust from any source, including hauling or handling operations or activities engaging in clearing or leveling of land one-quarter acre in size, earthmoving, excavation, or movement of trucks or construction equipment over cleared land one-quarter acre or greater in size. Opacity caused by fugitive dust shall not exceed 10 percent opacity at the property boundary and 20 percent opacity on-site.

Fugitive dust shall be controlled by water application that is of sufficient frequency and quantity to ensure that fugitive dust is minimized to the best extent practical. (HAFB Fugitive Dust Plan, 2003)

### 4.1.2 No Action Alternative

There would be no new environmental impacts associated with implementation of this alternative.

## 4.2 Water Quality

### 4.2.1 Proposed Action

Proposed Action will be required to implement a storm water plan that includes ensuring that the building and the surrounding area, including the parking lot, is adequately drained and water is channeled into storm water drains. Any required permits can be obtained through Hill AFB Environmental Management Directorate EMC.

#### **4.2.2 No Action Alternative**

There will be no new environmental impacts associated with implementation of this alternative.

### **4.3 Installation Restoration**

#### **4.3.1 Proposed Action**

There are no remedial actions in place at this site. However, groundwater contamination has been identified in the area at a depth of 90-feet below ground surface. There are several monitoring points in the area that will need to be identified prior to any excavation or construction.

Any excavation in an area of industrial activity presents the potential to encounter contaminated soil. Contact EMR if unusual odors or soil discoloration is observed during any excavation or trenching necessary to complete this project.

#### **4.3.2 No Action Alternative**

There will be no new environmental impacts associated with this alternative.