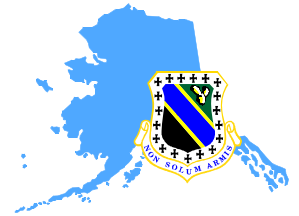


Comprehensive Site Evaluation Phase II Elmendorf Air Force Base, Alaska

July 2010



THE AIR FORCE

- Is dedicated to protecting human health and the environment by making munitions response areas safe to reuse.
- Is developing the Military Munitions Response Program by maximizing efficiencies and incorporating lessons learned from 20 years of environmental restoration experience.
- Will prioritize munitions response areas according to environmental, health, and safety considerations; current and future planned resource use; and site attributes.

Introduction

The Air Force has completed the Comprehensive Site Evaluation Phase II investigation at Elmendorf Air Force Base (AFB), Alaska. The investigation was performed through the Comprehensive Site Evaluation (CSE) process of the Military Munitions Response Program (MMRP). The goal of the evaluation is to gather sufficient data to help Air Force officials make informed decisions when managing munitions response areas (MRAs) or sites (MRSs) at closed based on current and projected land uses.

The CSE is analogous to the Preliminary Assessment and Site Inspection under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process. The CSE similarly is performed in two distinct phases: 1) the CSE Phase I which consists of historical record reviews, visual surveys and interviews; and, 2) the CSE Phase II which consists of more extensive visual surveys, and munitions constituent sampling, as appropriate, based on site-specific conditions.

Elmendorf Air Force Base

Elmendorf Air Force Base (AFB) is located two miles north of the city of Anchorage and is the largest Air Force installation in Alaska. It is the home of the Headquarters, Alaskan Command, Alaskan NORAD Region, 11th Air Force and the 3rd Wing.



Location of Elmendorf AFB, Alaska.

CSE Results

The CSE Phase I was performed in 2006 and a supplemental CSE Phase I was performed in 2008. Based on information obtained from those investigations 7 MRAs and 5 potential MRAs were identified. These areas (listed below and shown on reverse page map) had sufficient evidence of munitions activities that they were carried forward for investigation under the CSE Phase II.

Identified MRAs at Elmendorf AFB are:

- Small Arms Range (MRA 2001/MRS SR001);
- B-26 Crash Site (MRA 2002/MRS DA002);
- Suspected Skeet Range (MRA 2003/MRS TS003);
- Susitna Gunnery Range (MRA 2004/MRS FR004);
- Mortar Range 1A (MRA 2005/MRS FR005);
- Former Chemical Corps Building and Storage Area (MRA 2006/MRS CW006); and
- Former Explosives Storage Area (MRA 2007/MRS XU007).

Identified potential MRAs at Elmendorf AFB include:

- Anti-Aircraft (AA) Gun Positions (A, B, G, H, and HQ);
- AA Battery Southwest;
- Four Former 40 mm gun positions;
- AA Battery - North of North-South Runway; and
- Airplane Target Butt - North of East-West Runway.

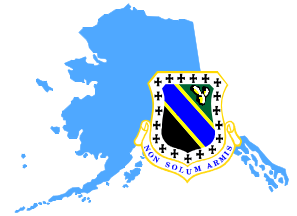
The CSE Phase II fieldwork was performed in June/July 2009 and consisted of performing non-intrusive visual surveys over 100% of the surveyable portions of each MRA and potential MRA. In addition, soil sampling was conducted sites that had evidence of munitions and explosives of concern (MEC) or munitions debris (MD), or had a known history of activities that could have led to munitions constituents (MC) contamination (see CSE results reverse page).

Following the CSE Phase II field effort, a CSE Phase II report was completed, which included a conceptual site model, evaluation of potential exposure pathways to receptors, and site ranking via the Munitions Response Site Prioritization Protocol (MRSPP).



Comprehensive Site Evaluation Phase II Elmendorf Air Force Base, Alaska

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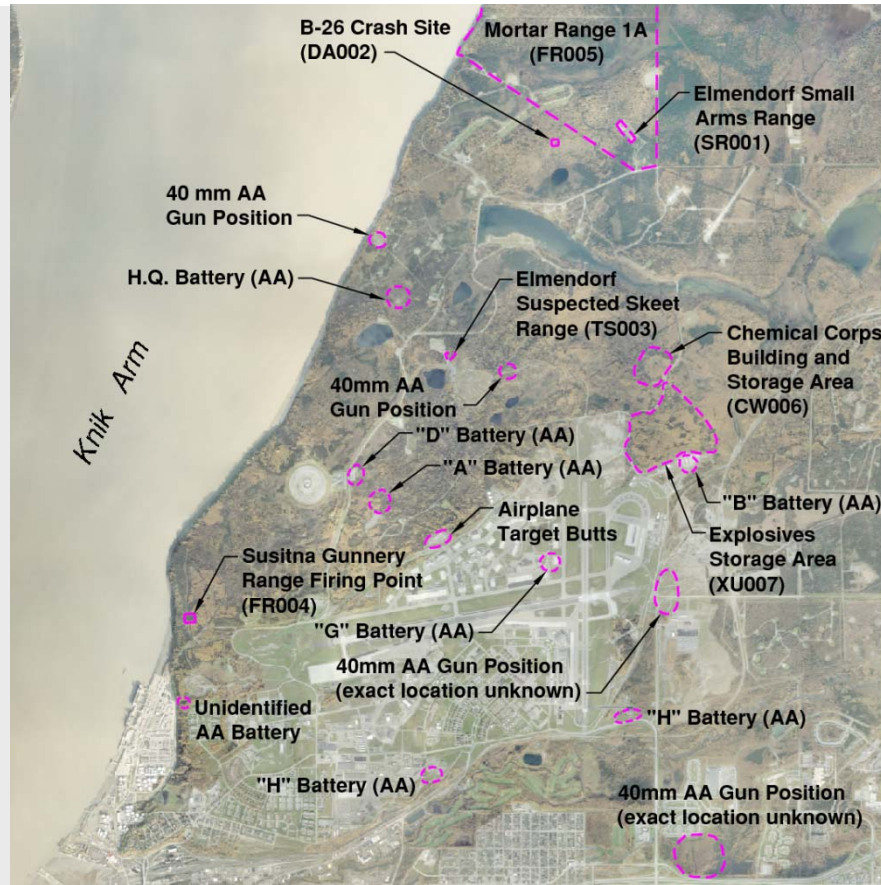
COMMON PROGRAM ABBREVIATIONS:

- AA: Anti-Aircraft
- AF: Air Force
- AFB: Air Force Base
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
- CSE: Comprehensive Site Evaluation
- MD: Munitions Debris
- MEC: Munitions and Explosives of Concern
- MMRP: Military Munitions Response Program
- MRA: Munitions Response Area
- MRS: Munitions Response Site
- MRSP: Munitions Response Site Prioritization Protocol
- NFA: No Further Action
- PAH: Polycyclic Aromatic Hydrocarbons

FOR MORE INFORMATION

3rd Wing Public Affairs
Office, Environmental
Restoration Community
Relations Coordinator at:

Phone: 907-552-5756



Elmendorf AFB, Alaska - MRAs and Potential MRAs

The CSE Phase II results are as follows:

Small Arms Range (SR001): The firing line and target line were found, but there was no evidence of MEC. Soil sampling results indicated that lead concentrations near the target line exceeded the residential human health criteria. An action is recommended to mitigate lead-impacted soils.

B-26 Crash Site (DA002): The burned remains of the B-26 aircraft and detonated .50 caliber bullets and casings were found, but there was no evidence of MEC. Soil sample results indicated that lead was less than residential human health screening criteria. No further action (NFA) is recommended.

Suspected Skeet Range (TS003): A visual survey indicated that this range had been minimally used. No evidence of shooting positions or skeet sheds was observed and only six locations with clay target fragments were found. No MEC was observed. Soil sampling results indicate that polycyclic aromatic hydrocarbons (PAHs) were above human health screening criteria. An action is recommended to mitigate PAH-impacted soils.

Susitna Gunnery Range (FR004): There is no evidence of MEC. Due to historical evidence that this site was used frequently for training, soil samples were collected. There were no analytes detected in concentrations exceeding the human health screening criteria in any sample. The MRA was recommended for NFA.

Mortar Range 1A (FR005): The visual survey evidence indicates that it was unlikely that this area was used as a mortar range. No evidence of MEC was found. Soil sampling results from a non-MMRP trash pile at the site indicated analyte concentrations less than human health criteria. The MRA was recommended for NFA.

All other potential MRAs: There was no evidence of MEC, MD, or MC observed during the visual surveys. NFA is recommended for these sites.

For additional information on the Elmendorf AFB CSE Phase II, please contact the Environmental Restoration Community Relations Coordinator (see information to the left).