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# ANDERSEN AFB GUAM

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 2006-04



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS, 36TH WING (PACAF)  
UNIT 14003, APO AP 96543-4003**

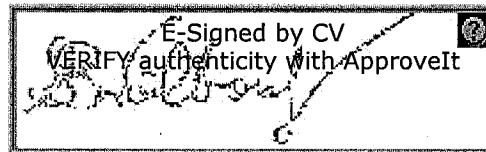
8 May 2006

MEMORANDUM FOR SEE DISTRIBUTION

FROM: 36 WG/CV

SUBJECT: Restoration Advisory Board (RAB) Meeting, 6 April 2006

1. Attached are the meeting minutes for the 6 April 2006 Andersen Air Force Base Restoration Advisory Board for your review. We also attached the RAB member distribution list for your information.
2. We look forward to a strong continued partnership with you. Should you have any questions, please contact Mr. Gregg Ikehara at 366-4692.



STEPHEN L. WOLBORSKY, Colonel, USAF  
Installation Co-Chairperson, Restoration Advisory Board

Attachments:

1. RAB Minutes
2. Distribution List

**ANDERSEN AIR FORCE BASE  
RESTORATION ADVISORY BOARD (RAB)  
MEETING MINUTES  
06 April 2006**

**Board Members:**

Colonel Wilfred Cassidy, 36 MSG/CC  
Mr. Mike Gawel, RAB Member  
Ms. Nadia Wood, RAB Member  
Mr. Eddie Artero, RAB Member  
Mr. Mark Ripperda, USEPA Region IX

Senator Joanne Brown, RAB Member  
Mr. Paul Packbier, RAB Member  
Ms. Lucrina Concepcion, RAB Member  
Mr. Mike Cruz, GEPA

**Support Staff Attendees:**

Mr. Gregg Ikehara, 36 CES/CEVR  
Mr. Jess Torres, 36 CES/CEVR

Mr. Danny Agar, 36 CES/CEVR  
Ms. Yvette Bordallo, 36 CES/CEVR

**Public Attendees:**

Senator Larry Kasperbauer, Guam Legislature  
Mr. Scott Whittaker, 36 CES/CEV  
Mr. Pete LaPlaca, EA Engineering  
Ms. Jennifer Haas, EA Engineering  
Mr. Joel Lazzeri, EA Engineering  
Mr. Bob Shamback, EA Engineering  
Mr. Jim Rosacker, Booz, Allen-Hamilton  
Mr. Chris Arnsfield, Shaw Group  
Mr. Randel Sablan, GEPA  
Mr. Jeff Hill, Public

Major Kristina Meyle, 36 CES/CEV  
Mr. Chip Brown, EA Engineering  
Mr. Bob Okoniewski, EA Engineering  
Mr. Matt Casey, EA Engineering  
Mr. Toraj Ghofrani, EA Engineering  
Mr. Philip Guerrero, EA Engineering  
Mr. Bob Hendrix, Shaw Group  
Mr. Walter Leon Guerrero, GEPA  
Ms. Sue Hill, 36 CES/CEVR

**1. Introduction**

Mr. Ikehara called the meeting to order at 6:50 pm and welcomed all attendees. He introduced Colonel Cassidy, 36 MSG/CC, who was sitting in for Colonel Wolborsky.

**2. Previous Meeting Minutes**

Mr. Ikehara asked the RAB members to take a few minutes and review the 20 October 2005 meeting minutes. With no discrepancies noted in the minutes, the minutes were approved.

**3. Election of Community Co-Chair**

Mr. Ikehara asked the RAB members for their nomination(s) for the Community Co-Chair position. Mr. Packbier and Mr. Gawel nominated Mr. John Jocson. *Mr. Jocson was elected as the new*

## ***Community Co-Chair.***

### **4. IRP Website**

Mr. Ikehara stated that decision documents, RAB, and RPM meeting minutes are available on-line via the **adminrec.com** website and will soon be available on the Andersen webpage, still under construction.

### **5. Status Binder**

A status binder containing current projects and groundwater data was available for all members. The status binder will be updated and provided at each RAB meeting.

### **6. Proposed Plan for Sites 6, 9, and 12**

Mr. Agar presented the Proposed Plan (PP) for cleaning up Main Base Sites 6, 9, and 12 all located on Andersen AFB. The sites are also known as Landfills 8, 13, and 17. A copy of the Proposed Plan was provided to each member. The PP contained additional technical details.

Mr. Agar provided a brief description of each site and results of the investigations. He discussed which cleanup methods were considered, and the rationale for the Air Force's preferred method. He emphasized that the Air Force considered the most conservative approach for screening cleanup alternatives (future residents).

An Engineering Evaluation/Cost Analysis or EE/CA document that evaluated cleanup options for these sites was completed during the "remedial investigation" phase from 2001-2003.

Site 6/Landfill 8 covers about 8 acres in the western portion of Andersen AFB, near the active Base Landfill Complex and the Munitions Storage Area (MSA). This site was used as an asphalt batch plant during the post-World War II construction of runways and roads. Landfill 8 was used as a trench-and-fill area to bury asphalt waste material and waste liquids from 1946 to 1949. This site is restricted from future residential use and is covered by the drums and spilled asphalt tar.

During the asphalt removal project, approximately 7,800 cubic yards of asphalt and asphalt-impacted soil, 2,000 empty drums, and other metal debris were removed. A remedial investigation was conducted in 2002. Testing conducted at the site found two metals present in the surface soil that would pose a risk to future residents (adults and children), at certain locations. The surface soil poses no risk to the occasional user/trespasser or wildlife. The testing also found three metals in the subsurface soil that would pose a risk to future residents (adults and children), at certain locations. The subsurface soil poses no risk to the occasional user/trespasser or wildlife.

33 cleanup alternatives were screened and 3 cleanup alternatives were evaluated in detail for Landfill 8. The Air Force selected "institutional controls," or restricting access, as its preferred alternative because the landfill is near the active Base Landfill Complex and MSA, making it almost impossible to convert the site to future residential use. The surface debris has mainly been cleared away; and there is no risk to occasional users/trespassers at the site. Since there is no risk to the occasional user/trespasser,

Institutional Control would not require fencing off the area, but signs will be posted warning against digging, which will require a permit. Landfill 8 will be included in Andersen's Land Use Control Management Plan. Approximately 5 CY of asphalt, drums containing asphalt, and drum remnants are recommended for removal from Site 6 as part of the surface preparation activities for the Institutional Control alternative.

Site 9/Landfill 13 covers about 4.5 acres near Andersen's South Runway. The site was used for disposal of sanitary trash, equipment, waste petroleum, oils, and lubricants (POL), and various unknown waste chemicals between 1951 and 1956. During the detailed site inventory, unexploded ordnance, (UXO) ordnance, and explosive waste (OEW) were observed, along with deteriorated metal, aircraft and motor vehicle parts, and miscellaneous construction debris.

Testing at the site found two metals present in the surface soil that would pose a risk to future residents (adults and children), at certain locations. There were no constituents found that would pose risks to the occasional user/trespasser or wildlife. Four metals were found in surface soil below the cliff that would pose a risk to future residents and three metals to wildlife. There were no constituents found that would pose risks to occasional user/trespasser.

Subsurface soil testing above the cliff found two metals that would pose a risk to future residents (adults and children), at certain locations. There were no constituents found that would pose risks to the occasional user/trespasser or wildlife in subsurface soil above the cliff. Three metals were found in subsurface soil below the cliff that would pose a risk to future residents (adults and children), and two metals that would pose a risk to wildlife. There were no constituents found that would pose risks to the occasional user/trespasser in subsurface soil below the cliff.

33 cleanup alternatives were screened and 4 cleanup alternatives were evaluated in detail for Landfill 13. The Air Force selected "institutional controls," or restricting access, below the cliff and removal/treatment of soil above the cliff as its preferred alternative because there is limited site access at Landfill 13 below the cliff and remedial activities will only be possible above the cliff. Institutional controls, such as signs warning against digging will be posted and any digging will require a work clearance permit below the cliff. Landfill 13 will be incorporated into Andersen's Land Use Control Management Plan.

Site 12/Landfill 17 covers about 20 acres along the cliff bordering Andersen's North Runway. It is subdivided into Areas A, B, C, D, E, and F (Pati Point Dump). The 1955 Base Master Plan indicated that trash and inorganic wastes with no salvage value were disposed of over the cliff.

Area A covers about 3 acres along the northern slope of the cliff line. During the detailed site inventory, it was estimated the fill area extends about 300 feet down the slope and about 200 feet along the cliff line. Construction debris and approximately 85 empty 55-gallon drums were observed over the cliff line. A number of constituents were found in surface soil that would pose a risk to future residents, occasional user/trespasser and wildlife. A few constituents were found in subsurface soil that would pose a risk to future residents and wildlife. There were no constituents found that would pose risks in subsurface soil for occasional user/trespasser. Approximately 1,120 CY of soil will be removed.

Area B covers about 9 acres with half of the site on the plateau above the cliff line and the other half along the cliff line slope. Many small mounds, 1 to 3 feet high, were observed on the plateau at the top of Area B. The mounds consisted of soil, pieces of metal, trash, fire hose, solid asphalt, and concrete debris. One large mound located along the plateau's edge was used as a target range backstop in the early 1960's. A number of constituents were found in surface soil that would pose a risk to future residents, occasional user/trespasser and wildlife. No constituents were found in the subsurface soil that would pose a risk to future residence, occasional user/trespasser or wildlife. Approximately 1,500 CY of soil will be removed.

Area C is a small area of less than 1 acre, below the cliff line. Small amounts of debris were located, including an aircraft propeller, plastic and fiberglass flooring tiles, a 3-gallon bucket, electrical wire, chain-link fence, 12-inch pipe, office chair, flashlights, twisted cable, oxygen tank, canvas material, barbed wire, plastic pieces, and rubber disks. Nothing of concern was found in the surface or subsurface soil that would pose a risk to future residents, occasional user/trespasser or wildlife.

Area D is less than 1 acre below the cliff line. This site contains small amounts of debris to include barbed wire, fence posts with concrete footings, an empty iodine bottle, telephone pole, metal brackets, cement blocks, galvanized pipe, electrical wire, construction debris, and sanitary trash. Nothing of concern was found in the surface or subsurface soil that would pose a risk to future residents, occasional user/trespasser or wildlife.

Area E is about 9 acres and is similar to Area B in appearance. Fill material extends about 400 feet down the slope and is about 400 feet wide. Areas of scattered debris were observed along the top of the cliff along with fill and buried trash, to an approximate depth of 9 feet. More than 80 drums were observed along the slope. Nothing of concern was found in the surface or subsurface soil that would pose a risk to future residents, occasional user/trespasser, or wildlife.

Area F is less than 1 acre and about 400 feet east of Area E at the base of a 170-foot vertical cliff. A large amount of debris is piled to an unknown depth at the base of the cliff. The material includes aircraft parts, 55-gallon drums, batteries, air conditioners, vehicle parts, bomb tail fins, fire extinguishers, refrigeration radiators, trailer with wheels, construction debris, and sanitary trash. Approximately four 55-gallon drums are partially filled with an unknown liquid. Two metals were found in surface soil that would pose a risk to future residents, and one metal that would pose a risk to wildlife. Nothing of concern was found in the surface soil that would pose a risk occasional user/trespasser. There were no available subsurface samples at area F to test. Approximately 130 CY of soil will be removed.

33 cleanup alternatives were screened and 4 were evaluated in detail for Landfill 17. The Institutional Control alternative would protect human health, but wildlife would still face a threat. The Soil Removal Protective of Residential and Ecological Receptors alternative would require high initial capital costs, but if the sites are closed there would be no associated long-term costs. The Air Force has selected "institutional controls," and soil removal protective of wildlife, as the preferred alternative because the landfill is near the active runway and adjacent to the Guam National Wildlife Overlay. There are no future plans to use the site for residential purpose and the area would be fenced. All future work conducted at the site would require a work clearance permit and approval by Andersen AFB Civil Engineer Squadron. The site will be incorporated in Andersen's Land Use Control Management Plan.

All comments will be addressed in the Record of Decision. The draft Record of Decision will be delivered to the regulators, Guam EPA and USEPA in May 2006. A final Record of Decision, with signatures from GEPA, USEPA, and Air Force is scheduled for December 2006. The cleanup is expected to begin in March 2007 and will take about one year to complete. Verbal and written comments will be accepted tonight. Written comments by mail will also be accepted and must be postmarked no later than 2 May 2006.

## **7. Public Comment**

*Ms. Concepcion asked what parameters were being tested for at each site.* Mr. Agar stated that the parameters included analytes for Semi Volatile Organic Compounds, Volatile Organic Compounds and metals, which could also be found in the Proposed Plan handout that is available for review.

*Senator Brown inquired on the impact to the surrounding areas upon soil removal. And, how will the AF address this issue.* Mr. Ikehara responded; during the selection process the AF did consider going over the cliff and cleaning up the areas over the cliff line. The determination was made that the cleanup operation over the cliff could potentially destroy more of the habitat rather than it would enhance. Although there are a number of potential ecological receptors that could be impacted by soil, it has been there for years and the habitat has become healthy and vibrant. Material at the site can remain in-place and still be protective. The issue can be addressed in the future since the Record of Decision will be revisited every five-years to ensure it is still protective. *Senator Brown then asked if any studies on wildlife were conducted to determine what levels of contaminants exist.* Mr. Ikehara stated that in the 1990's, a tissue survey on different animal receptors was conducted. Although the survey was not for these areas, the AF did evaluate various animals that utilize those areas and potentially could have been affected by those areas. The AF found negligible impacts to those animals.

Mr. Lazzeri confirmed a study on animal tissue was conducted and the tissue survey report is available as part of the public record.

Senator Brown emphasized that more clarification when relaying technical information would be appreciated especially for areas where maximum cleanup will or will not be allowed so that there is a clearer understanding of what is to be done at those sites.

Major Meyle assured Senator Brown that the AF is very concerned about risks to wildlife. In addition, the AF will use more viable language for future RAB meetings and working the reports so they are easier to understand.

Colonel Cassidy concluded the meeting and urged the participants to submit their comments by the due date.

## **8. Next RAB Meeting**

The meeting concluded at 8:00pm. The next RAB meeting is scheduled for 27 July 2006.



APPROVED/DISAPPROVED



WILFRED T. CASSIDY, Colonel, USAF  
Installation Representative, Restoration Advisory Board

7 May 06

DATE

## DISTRIBUTION LIST

Colonel Stephen L. Wolborsky  
Senator Joanne M. Salas Brown  
Senator Larry Kasperbauer  
Mr. Randel Sablan  
Ms. Carmen Sian-Denton  
Mr. Edward C. Artero  
Mr. John Jocson  
Mr. Michael J. Gawel  
Mr. Jerry Flores  
Mr. Francis L.G. Damian  
Ms. Lucrina Concepcion  
Ms. Nadia Wood  
Mr. Paul Packbier  
Mr. Mark Ripperda  
Mr. Michael Cruz

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

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