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**ANDERSEN AFB
GUAM**

ADMINISTRATIVE RECORD COVER SHEET

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DEPARTMENT OF THE AIR FORCE
PACIFIC AIR FORCES

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19 JUN 1997

MEMORANDUM FOR SEE DISTRIBUTION LIST

FROM: 36 SPTG/CC
Unit 14041
APO AP 96543-4041

SUBJECT: Quarterly Restoration Advisory Board (RAB) Meeting

1. At attachment 1 are the May 15, 1997 RAB minutes. The next Andersen Air Force Base RAB meeting is scheduled for August 21, 1997, at the Civil Engineer Conference Room, Building 18001, from 6:30 p.m. to 7:30 p.m. At attachment 2 is tentative agenda w/map indicating route to building 18001, meeting location.
2. Should you have questions, please call Ms. Marriane Miclat at 366-5080. We look forward to continued communication with you.

ALBERT F. RIGGLE, Colonel, USAF
Co-Chairperson, Restoration Advisory Board

Attachments:

1. Meeting Location Map
2. RAB 8-21-97 Agenda
3. RAB 5-15-97 Meeting Minutes w/ Presentation Slides

**ANDERSEN AIR FORCE BASE
RESTORATION ADVISORY BOARD (RAB)**

MINUTES OF MEETING - 15 May 1997 DEDEDO COMMUNITY CENTER

MEMBERS PRESENT

Col A Riggle - Installation co-chair
 Sen J Brown - Community co-chair
 Mr. J. Jenson - RAB Member
 Mr F Castro - RAB Member
 Mr N. Rodriguez - RAB Member
 Mr M Stacy - RAB Member
 Ms J Tarkong - for Sen M Charfauros - RAB Member
 Mr D Cruz - RAB Member
 Ms J. Poland - AAFB

MEMBERS ABSENT.

Mr. V. Wuerch - GEPA
 Mr M Ripperda - USEPA
 Mr. M Gawel - RAB Member
 Mr J. Flores - RAB Member
 Mayor N. Blas - RAB Member
 Mr E Artero - RAB Member
 Ms J. Duwel - RAB Member
 Mr J Iglesias - RAB Member
 Mr V Blaz - RAB Member
 Mayor R. Lizama - RAB Member
 Mr. M Chargualaf - RAB Member
 Ms C Dimarucut - RAB Member

PUBLIC ATTENDEES

Mr T Churan - AAFB
 Capt Charles Kuhl - AAFB
 Ms A Loerzel - Pacific Daily News
 Ms R Perez - Sen. Brown's Office
 TSgt W Wildfeuer - AAFB
 Mr. M Price - EA Pacific
 Mr T Ghofrani - EA Pacific
 Dr J Rosacker - Booz-Allen Hamilton
 Mr J Torres - AAFB
 Ms M Miclat - AAFB
 Mr S Olive - EA Pacific

Senator Brown opened the meeting at 6:50 p m She introduced Colonel Riggle as the Base co-chair

I. REVIEW OF OLD BUSINESS

The minutes of the 20 February 1997 meeting were reviewed and approved unanimously without changes.

II. FIELDWORK UPDATE/PRESENTATION

A. Groundwater

Groundwater data: Joan Poland reported that the Air Force is waiting for the groundwater data to be validated. She also said that the second round of groundwater sampling at all wells will be completed this month. She reported that at the next meeting there will be an overview of the groundwater sample results.

B. Northwest Field Operable Unit

1. Landfill 9: Marriane Miclat reported that fieldwork is complete at Landfill 9 and there was no evidence of landfill activities. Only surface debris was found. Ms. Miclat reported that Guam Environmental Protection Agency (GEPA) and U.S. Environmental Protection Agency (USEPA) approved the No Further Response Action Planned (NFRAP) document.

2. Landfill 21: Ms. Miclat said that soil gas points were installed at Landfill 21 and soil gas samples were collected. Surface and subsurface soil samples will be collected in the near future. Preliminary results indicate no soil contamination at this time.

3. Waste Pile 4: At Waste Pile 4, Ms. Miclat stated that an ordnance survey, trail clearing, surveying, and field screening work have begun to determine what was disposed at the site.

C. Main Base Operable Unit

1. Landfill 14: Ms. Miclat stated that the boundary of Landfill 14 has expanded from 4 acres to 32 acres. Aircraft tires, porcelain pieces, drums with tar like substances, and crushed drums were found. No volatile organic compounds (VOCs) were detected in the soil gas samples and the Base is waiting on the laboratory results from surface and subsurface soil samples. Soil samples were collected in areas where there was stressed vegetation or debris.

2. Landfills 15a and b: Ms. Miclat reported that there is no evidence of landfill activity at Landfill 15a. Surface dumping of metal debris, automobile batteries, empty drums, and corrugated roofing material were found at Landfill 15b. Soil gas and soil samples have been collected. The soil gas samples showed no evidence of VOCs. Metals were detected in some small areas where surface and subsurface soil samples were collected. The Air Force is in the process of determining if metals concentrations are high enough to pose a risk to warrant remediation.

3. Hazardous Waste Storage Area 1: Ms. Miclat said that fieldwork has begun at the Hazardous Waste Storage Area 1. The area was used in the early 1980's as a staging area for waste. This site may expand from its one acre size. Soil gas sample points have been installed.

4. Fire Fighting Training Area 2: Ms. Miclat stated that a tank, which was used to provide fuel for the fire fighting training exercises, unearthed at the site actually was a tanker truck and some constituents of concern were detected in soil samples. More information about this site will be reported at the next meeting.

5. PCB Storage Area: Ms. Miclat reported that the Air Force will look for PCB residuals at this site.

6. Waste Piles 1 and 2: Ms. Miclat said that drums full of asphalt were disposed at these sites. The Base is looking into recycling the asphalt. Remedial contractors have surveyed the site and will begin work upon completion of the contractual paperwork.

D. MARBO Operable Unit

1. Overall Status: Jess Torres reported that the Remedial Investigation (RI) report and Feasibility Study (FS) report for soils have been finalized. The RI report for groundwater is finalized and the FS report for groundwater is being reviewed by the regulators. The draft Proposed Plan and the draft Record of Decision (ROD), which are for soils and groundwater, are scheduled to be completed in July 1997 and November 1997 respectively.

Mr. Torres said that each of the six IRP sites at MARBO went through a site evaluation process and risk assessment. The object is to reduce the cancer and non-cancer risks below or at the EPA recommended levels. On the basis of these evaluations, four remedial alternatives were considered for each site: (A) No action, (B) institutional controls, (C) soil cover, and (D) soil removal. Alternative (A) is used as a baseline to measure the other alternatives. Alternative (B) is designed to keep the receptors (humans) away from the impacted soils. Institutional controls include site controls, public education, and periodic site review. Alternative (C) places a layer of soil on top of the soil with constituents of concern to reduce the constituent mobility. This alternative does not reduce the toxicity or the quantity of the toxicity. Alternative (D) involves public meetings, site preparation, soil and debris removal, and disposal of the soil.

2. War Dog Borrow Pit: Mr. Torres stated that no constituents of concern were found at this site and a NFRAP will be prepared.

3. Waste Pile 5: Mr. Torres reported that no constituents of concern were found at this site and a NFRAP will be prepared.

4. Waste Pile 6: Mr. Torres said that constituents of concern were found in some small areas at this site. The recommended alternative is to remove the soil (alternative D) and place it in Waste Pile 7 where a soil cover will be placed.

5. Waste Pile 7: Mr. Torres stated that several constituents of concern were found in some soil samples at this site. The recommended alternative is to move the impacted soils from Waste Pile 6, Landfill 29, and the MARBO Laundry into Waste Pile 7, place a soil cover over it (alternative C), and reduce the risk of receptors (humans) from coming into contact with the impacted soil. He noted that this alternative will be much less expensive than off-island disposal.

6. Landfill 29: Mr. Torres reported that constituents of concern were found in some small areas at this site. The recommended alternative is to remove the soil (alternative D) and place it in Waste Pile 7 where it will be covered.

7. MARBO Laundry: Mr. Torres said that constituents of concern were found in some small areas at this site. The recommended alternative is to remove the soil (alternative D) and place it in Waste Pile 7 where a soil cover will be placed. He noted that the executive summary and tables, which were included in the handout for the meeting, provide more information about these sites.

Senator Brown asked what were the environmental implications of dumping the soil in one place, rather than treating it. She wondered how the constituents in the soil will be kept from leaching off the site. Mr. Torres said that the soil removed at the three sites would be in small quantities (32 cubic yards up to 120 cubic yards). Ms. Poland said that the constituents are at low concentrations and are just over residential PRGs. She said that the Base will respond to Senator Brown's request to consider treating the soil before disposal at the next meeting. She also said that this will be discussed in the Proposed Plan.

Mark Stacy said that he would like to know some of the underlying assumptions in the risk assessment. He asked what weight was given to the mobility of the constituents in the soils and its potential to leach into the groundwater. He also inquired how much control can be placed in these areas for the long-term when GovGuam takes over control of the land. He asked what were the assumptions as to how the land will be used. Ms. Poland responded that the risk assessment process can be discussed at the next meeting. She added that because the Air Force does not know what the future land use may be in the area, residential PRGs were used in most cases.

E. Harmon Operable Unit:

1. IRP Sites: Ms. Poland reported that fieldwork has been completed at the three Harmon Annex sites. A NFRAP will be prepared for Landfill 23 because no constituents of concern were found. Cleanup options are being evaluated for Landfill 24 and the Harmon Substation. The Air Force is also evaluating groundwater results at Harmon.

2. Environmental Baseline Survey Phase II for P.L. 103-339: Ms. Poland stated that this report has been reviewed and approved by the regulators

John Jenson asked where the Harmon sites were located. Ms Poland answered that one was in the northern part of Harmon, another near the Harmon housing area, and another near the Harmon Substation. The Base will develop remedial alternatives for Landfill 24 and the Harmon Substation.

Dr. Jenson also asked about the asphalt removal. Ms. Poland responded that the Air Force is evaluating the possibility of recycling the asphalt that is disposed at various sites including Waste Piles 1 and 2, Landfills 8 and 14, and the Harmon Substation.

F. Environmental Baseline Survey

Ms. Poland said that fieldwork has begun at the Urunao Dump Sites where debris had been pushed over the cliff. During the site inventory, unexploded ordnance (UXO) have been encountered and Base Explosive Ordnance Disposal (EOD) specialists have removed several live bombs. Signs are being posted stating the danger of unexploded ordnance.

Senator Brown asked if the environmental investigations at the Urunao Dump Sites would include the shoreline and reef areas. She also asked if photographs of the sites could be shown at the next meeting. Ms. Poland said that the boundaries of the sites are up towards the cliff away from the shoreline. Samples will be taken all the way around the sites. She said that pictures of the sites will be presented at the next meeting.

III. ACTION ITEMS

A. Harmon Historical Photographs/Units and Facilities Deployed

Col. Riggle said that at the last meeting, Fred Castro asked for more historical information about the Harmon Annex. He introduced Al Miller, Base Historian, who presented a historical overview of the Harmon Annex.

In his presentation, Mr. Miller showed aerial photographs before and after the construction of the runways at Depot Field. Mr. Miller explained that the runways were completed in February 1945. Depot Field became a maintenance and supply point for all 1,000 B-29s in the Pacific. The 20th Air Force moved to Depot Field from Washington D.C. in 1945. Lt. Gen. Millard F. Harmon was the Commander of the AAFPOA and Deputy Commander of the 20th Air Force until he was lost at sea in 1945 on a flight from Guam to Hawaii.

Mr. Miller reported that the area across Marine Drive, on the inland side, became the industrial area and the area between Marine Drive and the cliffline was the non-industrial area during World War II. A tire shop and an engine build-up shop were constructed on the industrial side in 1945. Officer's quarters, the Guam Air Depot, an officer's mess, and a signal center were constructed in 1945.

After World War II, Mr. Miller said that B-29 bombers and C-46 and C-47 transports were serviced at Harmon. Nevertheless, in 1949 the Headquarters for the 20th Air Force departed for Okinawa and this signaled the end of Harmon Field. The runways were closed in the early 1950s, but the cliffline housing was kept open for use by the military. In 1958, the land was transferred from the Navy to the Air Force. In 1960, the Air Force gave the Government of Guam (GovGuam) the opportunity to use Harmon Annex for housing. Typhoon Karen destroyed many of the housing units at Harmon in 1962. In 1970, the Air Force transferred 27 acres to the local Parks and Recreation Department to use for a park at Two Lovers Point. More housing units were destroyed by Typhoon Pamela in May 1976. In 1982, the U.S. Congress identified Harmon Annex property as excess land.

Dr. Jenson asked who constructed the Tumon-Maui well and when was it constructed. Mr. Miller replied that he did not know, but that he would have an answer at the next meeting.

B. Community Relations Plan Update - Interviews

Steve Olive, a consultant for the IRP, discussed the Community Relations Plan (CRP) update. He commended the RAB for the valuable role that it has played in advising the Air Force. He reported that the current CRP was written four years ago and needs to be updated. As the Air Force completes Remedial Investigations and Feasibility Studies, it will prepare Proposed Plans and Records of Decision. Because the public has the opportunity to comment on Proposed Plans, the updated CRP will recommend mechanisms to inform the public about this opportunity.

Mr. Olive said that he will interview some RAB members and people from the local community during the next three weeks. He will ask them for ideas on the best ways to get information to and from the community. He will also ask RAB members to recommend people from the community to interview.

Senator Brown said that one of the things that she would like the Air Force and the RAB to work on is public projection. She senses that the local community is not registering exactly what the RAB and the Air Force are accomplishing. She also identified the need to conduct orientations for the local media. She recommended projecting tangible and visible activities like the asphalt removal.

Mr. Stacy recommended that RAB members and the Air Force participate in a talk radio show. This would help to project what the RAB and the Air Force are doing to cleanup sites.

IV PUBLIC COMMENT

Col. Riggle opened the floor for public comments. Daniel Cruz asked for more information about the remedial plan for MARBO soils. He asked if this remedial plan for

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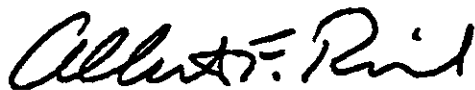
Waste Pile 7 will be similar to the cap placed on top of Landfill 5 and if the cap has been effective. Ms. Poland responded that Landfill 5 is in the Landfill Complex, which has several groundwater monitoring wells around it. These wells are sampled twice a year as part of the groundwater sampling program. Once these data are analyzed, the Air Force will evaluate the effectiveness of the controls in the Landfill Complex. The Air Force will report these results at the next meeting.

Mark Stacy asked if the cap placed over Landfill 5 has been checked, especially after the recent earthquakes. Ms. Poland responded that the cap had been checked and no damage was observed.

VI. ADJOURNMENT

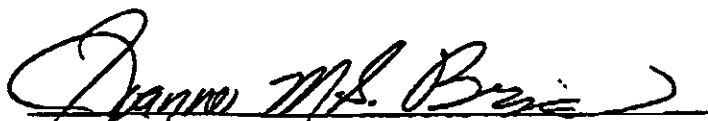
Col. Riggie reviewed the action items for the next meeting: (1) Review the remediation plan for the soils at MARBO; (2) present the groundwater data from the Landfill Complex (Landfill 5); (3) present an explanation of the risk assessment process; (4) present a summary of the Urunao Dump sites with photographs; (5) present a history of the Tumon-Maui well; (6) and solicit ideas to improve the public projection of the IRP. He adjourned the meeting at 7:50 p.m.

APPROVED/DISAPPROVED



COLONEL ALBERT F. RIGGLE, USAF
Installation Co-Chair
Restoration Advisory Board

19 Jun 97
Date



SENATOR JOANNE SALAS BROWN
Community Co-Chair
Restoration Advisory Board

June 30, 1997
Date

FINAL PAGE

ADMINISTRATIVE RECORD

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