



**ANDERSEN AFB
GUAM**

**ADMINISTRATIVE RECORD
COVER SHEET**

AR File Number 334



DEPARTMENT OF THE AIR FORCE
PACIFIC AIR FORCES

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File:
G.I. 17-05-02

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08 APR 1997

MEMORANDUM FOR "SEE DISTRIBUTION LIST"

FROM: 36 ABW/CV
Unit 14003
APO AP 96543-4003

SUBJECT: Restoration Advisory Board (RAB) Meeting Minutes, February 20, 1997

- 1 Minutes of the February 20, 1997 RAB meeting are provided for your review. The next quarterly RAB meeting will be held on May 15, 1997. You will be informed of the specific meeting time and location once details become available
2. We look forward to continued communication with you. If you have any questions, please call Ms. Marriane Miclat at 366-5080.

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

Attachments

- 1 Meeting Minutes
2. Distribution List

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

MINUTES OF MEETING - 20 FEBRUARY 1997 DEDEDO COMMUNITY CENTER
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MEMBERS PRESENT:

- Col V Jaroch - Installation co-chair
- Col A Riggle - Incoming Installation co-chair
- Sen J Brown - Community co-chair
- Mr. J Jenson - RAB Member
- Mr. F. Castro - RAB Member
- Mr. J. Flores - RAB Member
- Mr M. Gawel - RAB Member
- Mr. M Stacy - RAB Member
- Ms. C. Dimarucut - RAB Member
- Mr V. Wuerch - Guam EPA
- 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 J Tarkong - for Sen. M Charfauros - RAB Member
- Mr D Cruz - RAB Member
- Ms M. Schutz - USEPA
- Ms J. Poland - AAFB

MEMBERS ABSENT:

- Mayor N Blas - RAB Member
- Mr. E Artero - RAB Member
- Mr N. Rodriguez - RAB Member

PUBLIC ATTENDEES.

- Mr T. Churan - AAFB
- Ms A Loerzel - Pacific Daily News
- Ms S. Goldman - EA Pacific
- Mr T Ghofrani- EA Pacific
- Dr. J Rosacker - Booz-Allen Hamilton
- Mr J Torres - AAFB
- Ms. M. Miclat - AAFB
- Mr G Ikehara - AAFB
- Mr F. Madlangbayan - AAFB
- Mr. R Tsutsui - Navy
- Mr J. Billings - Beylik
- Mr T. Polevich - Tenorio and Associates
- Mr B. Shambach - EA Pacific
- Mr. S Olive - EA Pacific

Col. Jaroch opened the meeting at 6 45 p.m. Senator Brown thanked everyone for attending. She announced that Col. Jaroch will be leaving the RAB to take a position at the Pentagon. She said that she enjoyed working with him as a co-chair and she thanked him and the Air Force for being so cooperative. Col. Jaroch received a round of applause for his service to the RAB. She pointed out that the RAB has always had a quorum, which demonstrates the commitment that the RAB members have to the program. She also introduced Mayor Lizama of Yigo as the newest RAB member.

Col. Jaroch introduced Col. Riggle, Commander of the Support Group. He asked and received approval from the RAB to have Col. Riggle become the new Installation Co-Chair for the RAB. He also lead a toast to the RAB with water that was treated in the MARBO air stripper, which has been in operation since 30 January 1997. Senator Brown thanked the Air Force for installing the air stripper and commented that it was a good example of the kind of positive results that can be achieved through cooperation. She commended the Air Force for installing the air stripper in a timely manner.

Col. Jaroch and Senator Brown presented plaques to each RAB member in appreciation for their two years of service on the RAB. Michelle Schutz from EPA, upon receiving her plaque, said that it was a pleasure to work with the RAB over the past two years. She will be moving on to a new assignment and Mark Ripperda will take her place.

I. REVIEW OF OLD BUSINESS

The minutes of the November 1996 meeting were reviewed and approved unanimously.

II. FIELDWORK UPDATE/PRESENTATION

A. Groundwater

1. Preliminary groundwater sample results: Gregg Ikehara said that the program has received the preliminary results from the groundwater sampling event that occurred in October, 1996. He said that the results have not been validated and he will report the results at the next RAB meeting. He reported that the program has observed a lowering of the concentrations of TCE in the MARBO area near IRP-31; however, some wells without previous detections had minor TCE concentrations.

2. Rainfall and its effect on groundwater sample results. Mr. Ikehara presented an overview of the movement of groundwater through the northern part of Guam. The groundwater is about 4 to 5 feet above sea level. The limestone plateau is approximately 400-500 feet above sea level. Limestone is not homogeneous because there is a great deal of variation within the rock. The northern portion of Guam gets 100 inches of rain annually, mostly during the rainy season. On average, approximately one billion gallons of

water rains on Guam each day. This rain water may carry contaminants to the groundwater.

Mr. Ikehara explained that TCE and PCE go through chemical changes as they pass through the limestone. They may volatilize and leave the groundwater in a gaseous form, which is how the air stripper removes them. TCE and PCE can take a circuitous path through the limestone to the water table. Once these chemicals reach the groundwater, they move slowly down gradient. The Air Force has not found large amounts of TCE and PCE, but some concentrations are high enough to be a concern. It is a challenge to conceptualize the movement of the groundwater through the bedrock.

Fred Castro asked what information was gained from the dye-trace study. Mr. Ikehara responded that a dye-trace study conducted near the Landfill Complex showed that once the dye reached the water table, it followed the gradient. Nevertheless, before the dye reached the water table, it had moved in a number of different directions following structural features.

Mr. Castro asked if there are injection wells on the base. Mr. Ikehara said there are storm water drainage wells on the base, primarily near flightlines. These wells are sampled and monitored under another program. Tom Churan added that there are 103 injection wells on the base. He said these wells are sampled on a regular basis and no problems have been noted to date. The Air Force currently works with GEPA to investigate these wells and another investigation is being programmed for next year. To date, there have been no indications of contaminants in the run-off water.

B. Main Base Operable Unit

1. Landfill 14 Site: Marriane Miclat reported that Landfill 14 was in operation in 1976 and was used for the disposal of construction debris. It was originally believed to cover 4 acres, but recent investigations indicate that it covers approximately 32 acres. Empty crushed drums, drum remnants, and aircraft tires were found in the area. The crushed drums suggest they were empty prior to disposal. Porcelain pieces were also found. Drums containing asphalt were found and there is evidence that the asphalt is moving slowly down the side of the hill away from the drums. These drums do not appear to be any different from the drums found in Waste Piles 1 and 2. Asphalt is not a chemical of concern and it has been recycled and used to fill potholes at other bases.

2. Landfill 15 Site: Ms. Miclat reported that preliminary investigations at Landfill 15a Site show no evidence of landfilling activities, only surface debris. Preliminary investigations at Landfill 15b indicate some landfill activities took place in this area. Test ditches were dug down to the bedrock to characterize the site and samples were collected from the ditches. Corrugated roofing and other debris were found at this site. Once the samples were collected, the ditches were back-filled. To date, the materials in the landfill indicate that this area is probably a solid waste management issue and not a hazardous waste issue.

Mike Gawel asked if the metal roofing in the landfill could leach chemicals of concern (e.g. cadmium) into the groundwater. Ms. Miclat said that soil samples were collected in these areas and Joan Poland added that these samples will be analyzed for metals.

C. MARBO Operable Unit

Status of RI/FS Document Review: Jess Torres announced that the draft report of the Remedial Investigation (RI) and Feasibility Study (FS) for soil and the RI for groundwater have been reviewed by the regulators (EPA & GEPA). The FS groundwater report will be submitted to the regulatory agencies on 4 April 1997. The draft proposed plan, which will integrate the soil and groundwater investigations, will be submitted on 11 July 1997. The draft Record of Decision will be submitted on 10 November 1997. Mr. Torres will present a summary of the FS report at the next meeting.

D. Harmon Operable Unit

1. Landfill 23 Site: Freddie Madlangbayan presented the results of the fieldwork at the Landfill 23 Site. The program has not found any indication of landfill activities. A No Further Response Action Planned (NFRAP) document is currently being prepared for this site.

2. Landfill 24 Site: Mr. Madlangbayan said that evidence of landfill activity was found at the Landfill 24 Site. Geophysical surveys, test ditching, and soil gas sampling were conducted and construction debris was found. Soil samples were collected at the surface and at the bottom of the test ditches. Several drums were excavated from two test ditches and were placed on plastic. One drum containing material was sampled, packed in plastic, and placed back into the ditch.

3. Harmon Substation Site: Mr. Madlangbayan reported that drums were excavated at the Harmon Substation. Construction debris and disposal containers were also found. During the site inventory, a leach pit was found and two sludge samples were collected as well as two samples of the liquid in the pit.

Mr. Castro asked if there was an extensive preliminary assessment for these sites and if so, were aerial photographs reviewed? He also inquired if other historical photographs were reviewed? He wondered, for example, what structures may have been built in the area where the leach pit is located. He also asked if there are individuals around who can provide historical information. Ms. Poland answered that there was not that much information available for this site and the base has not been able to get a lot of good background information on the Harmon Annex. Aerial and historical photographs were reviewed and interviews with former workers were conducted. Limited historical information from the Bishop Museum in Honolulu has been obtained. There were no buildings shown or described by these sources of information in the area around the leach

pit. Only a paint can, which was found in the 1980's, indicated that there may be other buried material at this site.

Mr. Flores asked what was the size of the leach pit? He inquired what was the purpose of the leach pit and he asked if samples were collected around the leach pit?

Mr. Madlangbayan answered that the pit is large and that the samples were collected inside the pit where the sludge and liquids are located. Ms. Poland added that she does not know why the leach pit was constructed at this site.

Ms. Poland highlighted some of the information in the Harmon Fact Sheet. She said that the Phase II Environmental Baseline Survey (EBS) has been reviewed by the regulators. The base is in the process of incorporating the comments from the regulators into the document. The majority of the Areas of Concern (AOCs) that were investigated will require no further action. The next groundwater sampling event will be in March. Once all of the data from the IRP sites, groundwater, and EBS, are collected, the base will evaluate the Harmon Annex and determine the next steps that should be taken. Col. Jaroch added that the RAB had recommended that the Harmon Annex receive higher priority because of land use and land transfer issues.

Mr. Flores asked what the color scheme on the map on the Fact Sheet meant? Ms. Poland said the colors mark the parcels within Harmon Annex.

Ms. Poland added that the regulators recommended removing some of the soil from the bottom of five septic tanks and fill them in with clean fill.

III. ACTION ITEMS

RAB Member Term-Extension Forms: Col. Jaroch asked the RAB members to complete their RAB applications and submit them to the IRP.

New RAB member: Col. Jaroch officially asked the RAB to approve Mayor Lizama as a RAB member. The RAB approved his membership unanimously. Col. Jaroch added that a new representative from the Territorial Planning Council will begin service on the RAB at the next meeting.

IV. NEW BUSINESS

Mr. Castro said that at future meetings, he would like to know more about the historical photographs, especially from Harmon, that were reviewed for the investigation activities. He also recommends that someone contact the Navy to see what photographs they have available from Harmon. He would like to try and reconstruct what facilities were on the property after World War II. He would also like to find out more about the units and facilities deployed at Harmon. Col. Jaroch said that the base will check with the Air Force and Navy for historical photographs and other information in the archives.

334

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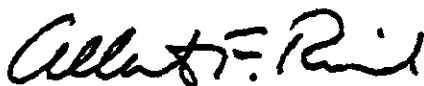
V. PUBLIC COMMENT

Col. Jaroch open the floor for public comments, but there were no questions or comments.

VI. ADJOURNMENT

Col. Jaroch ended the meeting by sharing some of his experiences during his tenure at Andersen AFB. He described some of the activities in which he was personally involved which ranged from strategic planning for the Base to his rewarding experiences with the people of Guam such as his interaction with school principals and his son's participation in the Guam baseball league. He added that the RAB and the Special Olympics were two of the most rewarding activities that he was involved with during his tenure. He thanked the members for all of their hard work and goodwill and adjourned the meeting at 8:30 p.m. He received another warm round of applause from the RAB members and audience.

Approved/~~Disapproved~~ as written.

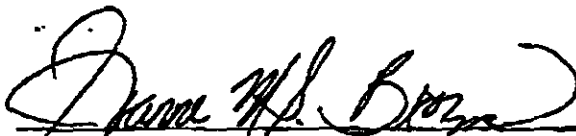


ALBERT F. RIGGLE, COLONEL, USAF
Installation Co-Chair
Restoration Advisory Board

8 Apr 97

Date

~~Approved~~ Disapproved as written.



SENATOR JOANNE SALAS BROWN
Community Co-Chair
Restoration Advisory Board

4/9/97

Date

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE